

## MEMORANDUM

**TO:** Project File **DATE:** September 22, 2021

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 1413.001.05.602 (90%) and 1413.001.02.501G (10%)

**TASK:** EIM Data Validation Level EPA2A for 3rd Quarter Monitoring 2021 – Groundwater Samples – Group 1

**LAB:** Pace Sample Delivery Groups (SDGs): L1386490, L1386491, L1387717, L1388076, and L1390859

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Forty (40) groundwater samples including one field duplicate, and two trip blanks were collected as part of the 3rd Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in August 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Anion (sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 1 analytical results are reported in SDGs L1386490, L1386491, L1387717, L1388076, and L1390859. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1386491: Sample MW-188-080321 request for analysis was cancelled by PES due to insufficient volume purged from the well prior to sampling. The monitoring well was resampled on August 10, 2021. Refer to SDG L1390859 for MW-188-081021 results.
- SDG L1386491: Sample collection dates are not included on the chain of custody for nine of ten samples. Sample collection dates were confirmed using sample identifications and bottle labels.
- SDG L1390859: Pace chain of custody sample receipt notes indicate nonconformance (NCF) upon sample receipt. PES confirmed that the NCF was resolved and sample requests for analyses were made.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

### *General Chemistry (Sulfate and TOC):*

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for the preserved water samples from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs).

#### *NWTPH-Gx Method:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) are not detected in the method blank.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Sulfate and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1386490	WG1718338	9060A	TOC	397	J	1000	µg/L	NO
L1386491	WG1718338	9060A	TOC	397	J	1000	µg/L	NO
L1387717	WG1721197	9056A	Sulfate	601	J	5000	µg/L	NO
L1387717	WG1719813	9060A	TOC	370	J	1000	µg/L	NO
L1387717	WG1720412	9060A	TOC	395	J	1000	µg/L	NO
L1388076	WG1721223	9060A	TOC	447	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples with the following discussion:

- Work Order L1387717: Sulfate was detected at 601 µg/L in the method blank and above the method detection limit (594 µg/L). Three of five sample (MW-159-080521, MW109-080421, and MW126-080421) sulfate results are detected between the method detection limit (MDL) and RDL of 5000 µg/L. PES confirmed historical sulfate detections in samples collected from the associated monitoring wells. National Functional Guidance recommends qualifying detections as non-detect (U) however in these cases, due to the supporting data and the difference between the MDL and RDL, no action is taken other than to estimate (J) the results.

**Trip Blank Results**

*USEPA Method 8260D and NWTPH-Gx:*

Two trip blanks (TB-080321 and TB-081021) were collected and analyzed for VOCs and gasoline or VOCs only. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1386491: A low level of acetone is detected at 1.12 µg/L and above the RDL in the trip blank (TB-080321). Actions are as follows:
  - Associated acetone detections are above the RDL in samples MW-138-080321, MW-187-080321, R-MW5-080321, MW-185-080321, MW-186-080321, MW-144R-080321, R-MW6-080321 and above the associated trip blank detection. No action is taken since associated acetone detections are greater than the trip blank detection.

**Field, Rinsate, or Equipment Blank Results**

A rinsate was not collected and submitted with SDGs associated with Group 1.



## **Field Duplicate Analyses**

A field duplicate pair was submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1386491: Sample R-MW5-080321 and field duplicate sample MW-955-080321. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pair.

## **Laboratory Duplicate Analyses**

### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate results (SDG L1317227) for precision data.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

### *General Chemistry (Sulfate and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

## **Surrogate Recoveries**

### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, and the blanks are within the laboratory surrogate control limits.

## **Laboratory Control Samples**

### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or

LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1386490 - Analytical batch WG1719555: LCS % recoveries for both compounds are recovered high and laboratory qualified (J4). **Sample MW121-080221 result for vinyl chloride is qualified as estimated (J). Sample MW120-080321 results for 1,1,1-trichloroethane and vinyl chloride are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion and qualifiers. No action is taken for the remaining samples since 1,1,1-trichloroethane and vinyl chloride are not detected in these samples.
- SDG L1386491 - Analytical batch WG1719555: LCS % recoveries for two compounds (1,1,1-trichloroethane and vinyl chloride) are recovered high and laboratory qualified (J4). **Sample MW-187-080321 and MW-185-080321 detections for vinyl chloride are qualified as estimated (J).** Refer to Initial and Continuing Calibration section for additional discussion and qualifiers. No action is taken for the remaining samples in this analytical batch since 1,1,1-trichloroethane and vinyl chloride are not detected in these samples.
- SDG L1386491 - Analytical batch WG1720727: LCS % recovery for acetone is recovered high and laboratory qualified (J4). **Sample MW-186-080321, MW-144R-080321, and R-MW6-080321 acetone detections are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion and qualifiers. LCS/LCSD RPD recoveries for multiple compounds are greater than laboratory acceptance criteria (20%) and are laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria.
- SDG L1387717 - Analytical batch WG1720727: LCS % recovery for acetone is recovered high and laboratory qualified (J4). **Sample MW-159-080521, MW109-080421, MW108-080421, MW126-080421, and MW111-080421 acetone detections are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion and qualifiers. LCS/LCSD RPD recoveries for multiple compounds are greater than laboratory acceptance criteria (20%) and are laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria.
- SDG L1388076 - Analytical batch WG1720727: LCS % recovery for acetone is recovered high and laboratory qualified (J4). **Sample MW-173-080521, MW-174-080521, MW-142-080521, MW-175-080521, MW-176-080521, MW-183-080621, MW-184-080621, MW-180-080621, and MW-178-080621 acetone detections are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion and qualifiers. LCS/LCSD RPD recoveries for multiple compounds are greater than laboratory acceptance criteria (20%) and are laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria.

- SDG L1390859 - Analytical batch WG1725879: LCS/LCSD RPD recovery for 2-butanone (MEK) is greater than laboratory acceptance criteria (20%) and is laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria. LCS/LCSD % recoveries for 1,2,3-trimethylbenzene are recovered high and laboratory qualified (J4). No action is needed since 1,2,3-trimethylbenzene is not detected in the associated samples.

*NWTPH-Gx Method:*

LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. For precision data refer to field duplicate result.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Sulfate and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were not performed. Refer to LCS and field duplicate results for accuracy and precision data.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to LCS and field duplicate results for accuracy and precision data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were not performed. Refer to LCS and field duplicate results for accuracy and precision data.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1386490 and L1386491: Matrix spike analysis was performed on sample MW125-080221. Manganese MS/MSD recoveries are outside of criteria. No action is taken since sample concentration is greater than 4X the spike concentration.

### *General Chemistry (Sulfate and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1386490 and L1386491: Matrix spike was performed a non-client sample. Sulfate spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. No action is taken for associated non-client samples within the analytical batch.

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	841	J	594	5000	1	08/08/2021 10:56	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8860		102	1000	1	08/07/2021 18:59	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9020		28.1	100	1	08/09/2021 19:22	<a href="#">WG1719889</a>
Manganese	2920	V	0.704	5.00	1	08/09/2021 19:22	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/07/2021 01:46	<a href="#">WG1718975</a>
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		08/07/2021 01:46	<a href="#">WG1718975</a>

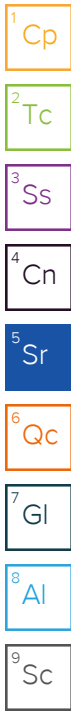
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4450		0.287	0.678	1	08/05/2021 14:42	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 14:42	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 14:42	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.32		0.548	1.00	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Benzene	U		0.0160	0.0400	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 17:49	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 17:49	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 17:49	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 17:49	<a href="#">WG1719555</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 17:49	WG1719555
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 17:49	WG1719555
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 17:49	WG1719555
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 17:49	WG1719555
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 17:49	WG1719555
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2021 17:49	WG1719555
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 17:49	WG1719555
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 17:49	WG1719555
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 17:49	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 17:49	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 17:49	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 17:49	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 17:49	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 17:49	WG1719555
Ethylbenzene	U		0.0212	0.100	1	08/08/2021 17:49	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 17:49	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 17:49	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 17:49	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 17:49	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 17:49	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 17:49	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 17:49	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 17:49	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 17:49	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 17:49	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 17:49	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 17:49	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 17:49	WG1719555
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 17:49	WG1719555
Toluene	U		0.0500	0.200	1	08/08/2021 17:49	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 17:49	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 17:49	WG1719555
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	08/08/2021 17:49	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 17:49	WG1719555
Trichloroethene	U		0.0160	0.0400	1	08/08/2021 17:49	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 17:49	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 17:49	WG1719555
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2021 17:49	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 17:49	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 17:49	WG1719555
Vinyl chloride	U	J4	0.0273	0.100	1	08/08/2021 17:49	WG1719555
Xylenes, Total	U		0.191	0.260	1	08/08/2021 17:49	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 17:49	WG1719555
Tetrahydrofuran	0.476	J	0.0900	0.500	1	08/08/2021 17:49	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 17:49	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 17:49	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 17:49	WG1719555
(S) Toluene-d8	98.0			75.0-131		08/08/2021 17:49	WG1719555
(S) 4-Bromofluorobenzene	94.9			67.0-138		08/08/2021 17:49	WG1719555
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/08/2021 17:49	WG1719555

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	U		594	5000	1	08/08/2021 11:31	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	5060		102	1000	1	08/07/2021 19:53	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	19900		28.1	100	1	08/09/2021 20:16	<a href="#">WG1719889</a>
Manganese	1820		0.704	5.00	1	08/09/2021 20:16	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/07/2021 02:08	<a href="#">WG1718975</a>
(S) a,a,a-Trifluorotoluene(FID)	96.4			78.0-120		08/07/2021 02:08	<a href="#">WG1718975</a>

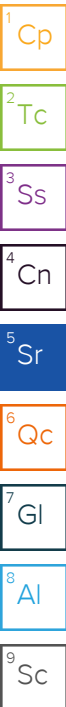
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	799		0.287	0.678	1	08/05/2021 14:45	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 14:45	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 14:45	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Benzene	0.0440		0.0160	0.0400	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 18:08	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 18:08	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 18:08	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 18:08	<a href="#">WG1719555</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 18:08	WG1719555
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 18:08	WG1719555
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 18:08	WG1719555
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 18:08	WG1719555
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 18:08	WG1719555
cis-1,2-Dichloroethene	0.0640	U	0.0276	0.100	1	08/08/2021 18:08	WG1719555
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 18:08	WG1719555
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 18:08	WG1719555
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 18:08	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 18:08	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 18:08	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 18:08	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 18:08	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 18:08	WG1719555
Ethylbenzene	0.0620	U	0.0212	0.100	1	08/08/2021 18:08	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 18:08	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 18:08	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 18:08	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 18:08	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 18:08	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 18:08	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 18:08	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 18:08	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 18:08	WG1719555
Styrene	0.132	U	0.109	0.500	1	08/08/2021 18:08	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 18:08	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 18:08	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 18:08	WG1719555
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 18:08	WG1719555
Toluene	0.325		0.0500	0.200	1	08/08/2021 18:08	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 18:08	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 18:08	WG1719555
1,1,1-Trichloroethane	U	<del>U</del>	0.0110	0.100	1	08/08/2021 18:08	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 18:08	WG1719555
Trichloroethene	U		0.0160	0.0400	1	08/08/2021 18:08	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 18:08	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 18:08	WG1719555
1,2,4-Trimethylbenzene	0.0680	U	0.0464	0.200	1	08/08/2021 18:08	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 18:08	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 18:08	WG1719555
Vinyl chloride	U	<del>U</del>	0.0273	0.100	1	08/08/2021 18:08	WG1719555
Xylenes, Total	0.471		0.191	0.260	1	08/08/2021 18:08	WG1719555
Ethyl Ether	0.166		0.0170	0.100	1	08/08/2021 18:08	WG1719555
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2021 18:08	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 18:08	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 18:08	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 18:08	WG1719555
(S) Toluene-d8	98.4			75.0-131		08/08/2021 18:08	WG1719555
(S) 4-Bromofluorobenzene	98.3			67.0-138		08/08/2021 18:08	WG1719555
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/08/2021 18:08	WG1719555

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	280000		2970	25000	5	08/08/2021 11:42	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	14700		102	1000	1	08/07/2021 20:11	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	21400		28.1	100	1	08/09/2021 20:20	<a href="#">WG1719889</a>
Manganese	9200		0.704	5.00	1	08/09/2021 20:20	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/07/2021 02:29	<a href="#">WG1718975</a>
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120		08/07/2021 02:29	<a href="#">WG1718975</a>

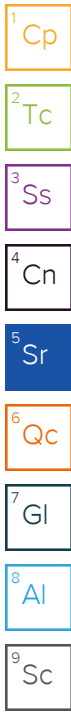
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1320		0.287	0.678	1	08/05/2021 14:49	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 14:49	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 14:49	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.58		0.548	1.00	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Benzene	U		0.0160	0.0400	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 18:27	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 18:27	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 18:27	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 18:27	<a href="#">WG1719555</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 18:27	WG1719555
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 18:27	WG1719555
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 18:27	WG1719555
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 18:27	WG1719555
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 18:27	WG1719555
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2021 18:27	WG1719555
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 18:27	WG1719555
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 18:27	WG1719555
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 18:27	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 18:27	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 18:27	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 18:27	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 18:27	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 18:27	WG1719555
Ethylbenzene	U		0.0212	0.100	1	08/08/2021 18:27	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 18:27	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 18:27	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 18:27	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 18:27	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 18:27	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 18:27	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 18:27	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 18:27	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 18:27	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 18:27	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 18:27	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 18:27	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 18:27	WG1719555
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 18:27	WG1719555
Toluene	0.314		0.0500	0.200	1	08/08/2021 18:27	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 18:27	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 18:27	WG1719555
1,1,1-Trichloroethane	U	<del>J4</del>	0.0110	0.100	1	08/08/2021 18:27	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 18:27	WG1719555
Trichloroethene	U		0.0160	0.0400	1	08/08/2021 18:27	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 18:27	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 18:27	WG1719555
1,2,4-Trimethylbenzene	0.127	J	0.0464	0.200	1	08/08/2021 18:27	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 18:27	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 18:27	WG1719555
Vinyl chloride	1.84	J+ C5 J4	0.0273	0.100	1	08/08/2021 18:27	WG1719555
Xylenes, Total	0.381		0.191	0.260	1	08/08/2021 18:27	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 18:27	WG1719555
Tetrahydrofuran	0.387	J	0.0900	0.500	1	08/08/2021 18:27	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 18:27	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 18:27	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 18:27	WG1719555
(S) Toluene-d8	99.5			75.0-131		08/08/2021 18:27	WG1719555
(S) 4-Bromofluorobenzene	96.6			67.0-138		08/08/2021 18:27	WG1719555
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/08/2021 18:27	WG1719555

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	127000		2970	25000	5	08/08/2021 11:54	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1970	<del>B</del>	102	1000	1	08/07/2021 20:57	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2730		28.1	100	1	08/09/2021 20:23	<a href="#">WG1719889</a>
Manganese	469		0.704	5.00	1	08/09/2021 20:23	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	107		0.287	0.678	1	08/05/2021 14:53	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 14:53	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 14:53	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Benzene	0.0320	J	0.0160	0.0400	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 18:47	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,1-Dichloroethane	2.35		0.0230	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,2-Dichloroethane	0.355	J+ C5	0.0190	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,1-Dichloroethene	0.450		0.0200	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
cis-1,2-Dichloroethene	33.3		0.0276	0.100	1	08/08/2021 18:47	<a href="#">WG1719555</a>
trans-1,2-Dichloroethene	0.115	J	0.0572	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>
1,2-Dichloropropane	0.736	J+ C5	0.0508	0.200	1	08/08/2021 18:47	<a href="#">WG1719555</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 18:47	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 18:47	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 18:47	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 18:47	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 18:47	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 18:47	WG1719555
Ethylbenzene	U		0.0212	0.100	1	08/08/2021 18:47	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 18:47	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 18:47	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 18:47	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 18:47	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 18:47	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 18:47	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 18:47	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 18:47	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 18:47	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 18:47	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 18:47	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 18:47	WG1719555
1,1,2-Trichlorotrifluoroethane	0.248		0.0270	0.100	1	08/08/2021 18:47	WG1719555
Tetrachloroethene	54.2		0.0280	0.100	1	08/08/2021 18:47	WG1719555
Toluene	U		0.0500	0.200	1	08/08/2021 18:47	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 18:47	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 18:47	WG1719555
1,1,1-Trichloroethane	0.206	J+ C5 J4	0.0110	0.100	1	08/08/2021 18:47	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 18:47	WG1719555
Trichloroethene	17.9		0.0160	0.0400	1	08/08/2021 18:47	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 18:47	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 18:47	WG1719555
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2021 18:47	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 18:47	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 18:47	WG1719555
Vinyl chloride	0.893	J+ C5 J4	0.0273	0.100	1	08/08/2021 18:47	WG1719555
Xylenes, Total	U		0.191	0.260	1	08/08/2021 18:47	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 18:47	WG1719555
Tetrahydrofuran	0.235	J	0.0900	0.500	1	08/08/2021 18:47	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 18:47	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 18:47	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 18:47	WG1719555
(S) Toluene-d8	102			75.0-131		08/08/2021 18:47	WG1719555
(S) 4-Bromofluorobenzene	97.2			67.0-138		08/08/2021 18:47	WG1719555
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/08/2021 18:47	WG1719555

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	8210		594	5000	1	08/08/2021 12:40	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3000	<del>E</del>	102	1000	1	08/07/2021 21:11	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1590		28.1	100	1	08/09/2021 20:27	<a href="#">WG1719889</a>
Manganese	991		0.704	5.00	1	08/09/2021 20:27	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/07/2021 02:51	<a href="#">WG1718975</a>
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120		08/07/2021 02:51	<a href="#">WG1718975</a>

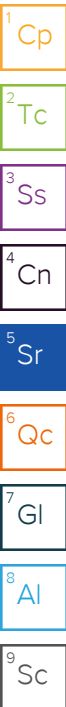
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3660		0.287	0.678	1	08/05/2021 14:58	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 14:58	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 14:58	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Benzene	0.0350	J	0.0160	0.0400	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 19:06	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 19:06	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 19:06	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 19:06	<a href="#">WG1719555</a>

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 19:06	WG1719555
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 19:06	WG1719555
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 19:06	WG1719555
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 19:06	WG1719555
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 19:06	WG1719555
cis-1,2-Dichloroethene	0.306		0.0276	0.100	1	08/08/2021 19:06	WG1719555
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 19:06	WG1719555
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 19:06	WG1719555
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 19:06	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 19:06	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 19:06	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 19:06	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 19:06	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 19:06	WG1719555
Ethylbenzene	0.0630	U	0.0212	0.100	1	08/08/2021 19:06	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 19:06	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 19:06	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 19:06	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 19:06	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 19:06	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 19:06	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 19:06	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 19:06	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 19:06	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 19:06	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 19:06	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 19:06	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 19:06	WG1719555
Tetrachloroethene	0.571		0.0280	0.100	1	08/08/2021 19:06	WG1719555
Toluene	0.561		0.0500	0.200	1	08/08/2021 19:06	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 19:06	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 19:06	WG1719555
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	08/08/2021 19:06	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 19:06	WG1719555
Trichloroethene	0.312		0.0160	0.0400	1	08/08/2021 19:06	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 19:06	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 19:06	WG1719555
1,2,4-Trimethylbenzene	0.116	U	0.0464	0.200	1	08/08/2021 19:06	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 19:06	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 19:06	WG1719555
Vinyl chloride	U	J4	0.0273	0.100	1	08/08/2021 19:06	WG1719555
Xylenes, Total	0.545		0.191	0.260	1	08/08/2021 19:06	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 19:06	WG1719555
Tetrahydrofuran	0.763		0.0900	0.500	1	08/08/2021 19:06	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 19:06	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 19:06	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	1	08/08/2021 19:06	WG1719555
(S) Toluene-d8	101			75.0-131		08/08/2021 19:06	WG1719555
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/08/2021 19:06	WG1719555
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/08/2021 19:06	WG1719555

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	57600		594	5000	1	08/08/2021 12:51	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1110	<del>B</del>	102	1000	1	08/07/2021 21:39	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	18000		28.1	100	1	08/09/2021 20:30	<a href="#">WG1719889</a>
Manganese	605		0.704	5.00	1	08/09/2021 20:30	<a href="#">WG1719889</a>

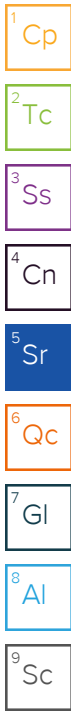
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	40.3		0.287	0.678	1	08/05/2021 15:32	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 15:32	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 15:32	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.19		0.548	1.00	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Benzene	U		0.0160	0.0400	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 19:25	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2021 19:25	<a href="#">WG1719555</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 19:25	<a href="#">WG1719555</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 19:25	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 19:25	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 19:25	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 19:25	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 19:25	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 19:25	WG1719555
Ethylbenzene	U		0.0212	0.100	1	08/08/2021 19:25	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 19:25	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 19:25	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 19:25	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 19:25	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 19:25	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 19:25	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 19:25	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 19:25	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 19:25	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 19:25	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 19:25	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 19:25	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 19:25	WG1719555
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 19:25	WG1719555
Toluene	0.105	J	0.0500	0.200	1	08/08/2021 19:25	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 19:25	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 19:25	WG1719555
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	08/08/2021 19:25	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 19:25	WG1719555
Trichloroethene	U		0.0160	0.0400	1	08/08/2021 19:25	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 19:25	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 19:25	WG1719555
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2021 19:25	WG1719555
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 19:25	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 19:25	WG1719555
Vinyl chloride	U	J4	0.0273	0.100	1	08/08/2021 19:25	WG1719555
Xylenes, Total	U		0.191	0.260	1	08/08/2021 19:25	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 19:25	WG1719555
Tetrahydrofuran	0.378	J	0.0900	0.500	1	08/08/2021 19:25	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 19:25	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 19:25	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 19:25	WG1719555
(S) Toluene-d8	99.6			75.0-131		08/08/2021 19:25	WG1719555
(S) 4-Bromofluorobenzene	92.8			67.0-138		08/08/2021 19:25	WG1719555
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/08/2021 19:25	WG1719555

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.32		0.548	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Benzene	0.0330	J	0.0160	0.0400	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
cis-1,2-Dichloroethene	0.204		0.0276	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Ethylbenzene	0.147		0.0212	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Methylene Chloride	U		0.265	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Naphthalene	U		0.124	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Styrene	0.115	J	0.109	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Toluene	0.896		0.0500	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,1,1-Trichloroethane	U	J	0.0110	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Trichloroethene	U		0.0160	0.0400	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2,4-Trimethylbenzene	0.175	<u>J</u>	0.0464	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,2,3-Trimethylbenzene	0.0740	<u>J</u>	0.0460	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Vinyl chloride	1.57	J+ <u>C5 J4</u>	0.0273	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Xylenes, Total	0.877		0.191	0.260	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Tetrahydrofuran	0.992		0.0900	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Iodomethane	U		0.242	0.500	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Allyl chloride	U		0.580	1.00	1	08/08/2021 19:44	<a href="#">WG1719555</a>
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	08/08/2021 19:44	<a href="#">WG1719555</a>
(S) Toluene-d8	97.6			75.0-131		08/08/2021 19:44	<a href="#">WG1719555</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		08/08/2021 19:44	<a href="#">WG1719555</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		08/08/2021 19:44	<a href="#">WG1719555</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	8330		594	5000	1	08/08/2021 13:03	<a href="#">WG1719269</a>

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2790	<u>B</u>	102	1000	1	08/07/2021 22:29	<a href="#">WG1718338</a>

## Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1660		28.1	100	1	08/09/2021 20:42	<a href="#">WG1719889</a>
Manganese	948		0.704	5.00	1	08/09/2021 20:42	<a href="#">WG1719889</a>

## Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/07/2021 03:13	<a href="#">WG1718975</a>
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120		08/07/2021 03:13	<a href="#">WG1718975</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3200		0.287	0.678	1	08/05/2021 15:42	<a href="#">WG1717875</a>
Ethane	U		0.296	1.29	1	08/05/2021 15:42	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 15:42	<a href="#">WG1717875</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.52		0.548	1.00	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Benzene	0.0290	<u>J</u>	0.0160	0.0400	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 20:04	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 20:04	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 20:04	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 20:04	<a href="#">WG1719555</a>

JC 9/22/2021

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 20:04	WG1719555
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 20:04	WG1719555
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 20:04	WG1719555
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 20:04	WG1719555
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 20:04	WG1719555
cis-1,2-Dichloroethene	0.226		0.0276	0.100	1	08/08/2021 20:04	WG1719555
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 20:04	WG1719555
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 20:04	WG1719555
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 20:04	WG1719555
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 20:04	WG1719555
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 20:04	WG1719555
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 20:04	WG1719555
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 20:04	WG1719555
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 20:04	WG1719555
Ethylbenzene	0.0830	U	0.0212	0.100	1	08/08/2021 20:04	WG1719555
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 20:04	WG1719555
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 20:04	WG1719555
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 20:04	WG1719555
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 20:04	WG1719555
Methylene Chloride	U		0.265	1.00	1	08/08/2021 20:04	WG1719555
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 20:04	WG1719555
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 20:04	WG1719555
Naphthalene	U		0.124	0.500	1	08/08/2021 20:04	WG1719555
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 20:04	WG1719555
Styrene	U		0.109	0.500	1	08/08/2021 20:04	WG1719555
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 20:04	WG1719555
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 20:04	WG1719555
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 20:04	WG1719555
Tetrachloroethene	0.512		0.0280	0.100	1	08/08/2021 20:04	WG1719555
Toluene	0.565		0.0500	0.200	1	08/08/2021 20:04	WG1719555
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 20:04	WG1719555
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 20:04	WG1719555
1,1,1-Trichloroethane	U	<del>J4</del>	0.0110	0.100	1	08/08/2021 20:04	WG1719555
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 20:04	WG1719555
Trichloroethene	0.308		0.0160	0.0400	1	08/08/2021 20:04	WG1719555
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 20:04	WG1719555
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 20:04	WG1719555
1,2,4-Trimethylbenzene	0.0700	U	0.0464	0.200	1	08/08/2021 20:04	WG1719555
1,2,3-Trimethylbenzene	0.0650	U	0.0460	0.200	1	08/08/2021 20:04	WG1719555
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 20:04	WG1719555
Vinyl chloride	U	<del>L4</del>	0.0273	0.100	1	08/08/2021 20:04	WG1719555
Xylenes, Total	0.547		0.191	0.260	1	08/08/2021 20:04	WG1719555
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 20:04	WG1719555
Tetrahydrofuran	0.717		0.0900	0.500	1	08/08/2021 20:04	WG1719555
Iodomethane	U		0.242	0.500	1	08/08/2021 20:04	WG1719555
Allyl chloride	U		0.580	1.00	1	08/08/2021 20:04	WG1719555
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 20:04	WG1719555
(S) Toluene-d8	98.8			75.0-131		08/08/2021 20:04	WG1719555
(S) 4-Bromofluorobenzene	94.9			67.0-138		08/08/2021 20:04	WG1719555
(S) 1,2-Dichloroethane-d4	115			70.0-130		08/08/2021 20:04	WG1719555

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.83		0.548	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Benzene	0.141		0.0160	0.0400	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Bromoform	U		0.239	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Bromomethane	U		0.148	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Chloroethane	U		0.0432	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Chloroform	U		0.0166	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Chloromethane	U		0.0556	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
cis-1,2-Dichloroethene	0.137		0.0276	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Ethylbenzene	U		0.0212	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Isopropylbenzene	U		0.0345	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Methylene Chloride	U		0.265	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Naphthalene	U		0.124	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
n-Propylbenzene	U		0.0472	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Styrene	U		0.109	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Tetrachloroethene	U		0.0280	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Toluene	U		0.0500	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Trichloroethene	0.0660		0.0160	0.0400	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Vinyl chloride	2.07	J+ C5 J4	0.0273	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Xylenes, Total	U		0.191	0.260	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Ethyl Ether	U		0.0170	0.100	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Tetrahydrofuran	1.11		0.0900	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Iodomethane	U		0.242	0.500	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Allyl chloride	U		0.580	1.00	1	08/08/2021 20:23	<a href="#">WG1719555</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/08/2021 20:23	<a href="#">WG1719555</a>
(S) Toluene-d8	99.6			75.0-131		08/08/2021 20:23	<a href="#">WG1719555</a>
(S) 4-Bromofluorobenzene	95.1			67.0-138		08/08/2021 20:23	<a href="#">WG1719555</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/08/2021 20:23	<a href="#">WG1719555</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.52	J+ C5 J4	0.548	1.00	1	08/11/2021 06:50	WG1720727
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 06:50	WG1720727
Benzene	0.0510		0.0160	0.0400	1	08/11/2021 06:50	WG1720727
Bromobenzene	U		0.0420	0.500	1	08/11/2021 06:50	WG1720727
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 06:50	WG1720727
Bromoform	U		0.239	1.00	1	08/11/2021 06:50	WG1720727
Bromomethane	U	J3	0.148	0.500	1	08/11/2021 06:50	WG1720727
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 06:50	WG1720727
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 06:50	WG1720727
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 06:50	WG1720727
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 06:50	WG1720727
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 06:50	WG1720727
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 06:50	WG1720727
Chloroethane	U	J3	0.0432	0.200	1	08/11/2021 06:50	WG1720727
Chloroform	U		0.0166	0.100	1	08/11/2021 06:50	WG1720727
Chloromethane	U		0.0556	0.500	1	08/11/2021 06:50	WG1720727
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 06:50	WG1720727
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 06:50	WG1720727
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 06:50	WG1720727
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 06:50	WG1720727
Dibromomethane	U		0.0400	0.200	1	08/11/2021 06:50	WG1720727
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 06:50	WG1720727
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 06:50	WG1720727
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 06:50	WG1720727
Dichlorodifluoromethane	U	J3	0.0327	0.100	1	08/11/2021 06:50	WG1720727
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 06:50	WG1720727
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 06:50	WG1720727
1,1-Dichloroethene	U	J3	0.0200	0.100	1	08/11/2021 06:50	WG1720727
cis-1,2-Dichloroethene	0.286		0.0276	0.100	1	08/11/2021 06:50	WG1720727
trans-1,2-Dichloroethene	0.804		0.0572	0.200	1	08/11/2021 06:50	WG1720727
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 06:50	WG1720727
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 06:50	WG1720727
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 06:50	WG1720727
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 06:50	WG1720727
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 06:50	WG1720727
2,2-Dichloropropane	U	J3	0.0317	0.100	1	08/11/2021 06:50	WG1720727
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 06:50	WG1720727
Ethylbenzene	U		0.0212	0.100	1	08/11/2021 06:50	WG1720727
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 06:50	WG1720727
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 06:50	WG1720727
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 06:50	WG1720727
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 06:50	WG1720727
Methylene Chloride	U		0.265	1.00	1	08/11/2021 06:50	WG1720727
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 06:50	WG1720727
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 06:50	WG1720727
Naphthalene	U	J3	0.124	0.500	1	08/11/2021 06:50	WG1720727
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 06:50	WG1720727
Styrene	0.138	J	0.109	0.500	1	08/11/2021 06:50	WG1720727
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 06:50	WG1720727
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 06:50	WG1720727
1,1,2-Trichlorotrifluoroethane	U	J3	0.0270	0.100	1	08/11/2021 06:50	WG1720727
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 06:50	WG1720727
Toluene	0.0990	J	0.0500	0.200	1	08/11/2021 06:50	WG1720727
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 06:50	WG1720727
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	08/11/2021 06:50	WG1720727
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 06:50	WG1720727

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Trichloroethene	0.0820		0.0160	0.0400	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>JS</del>	0.0200	0.100	1	08/11/2021 06:50	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 06:50	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 06:50	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 06:50	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Vinyl chloride	5.48		0.0273	0.100	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Tetrahydrofuran	1.05		0.0900	0.500	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 06:50	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 06:50	<a href="#">WG1720727</a>
(S) Toluene-d8	107			75.0-131		08/11/2021 06:50	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	89.7			67.0-138		08/11/2021 06:50	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/11/2021 06:50	<a href="#">WG1720727</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	08/08/2021 13:14	<a href="#">WG1719269</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4550		102	1000	1	08/07/2021 22:47	<a href="#">WG1718338</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2760		28.1	100	1	08/09/2021 20:46	<a href="#">WG1719889</a>
Manganese	1130		0.704	5.00	1	08/09/2021 20:46	<a href="#">WG1719889</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10800		2.87	6.78	10	08/11/2021 15:24	<a href="#">WG1721525</a>
Ethane	349		0.296	1.29	1	08/05/2021 15:50	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 15:50	<a href="#">WG1717875</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	4.29	J+	<a href="#">C5 J4</a>	0.548	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Benzene	0.0340	J	0.0160	0.0400	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Bromobenzene	U		0.0420	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Bromoform	U		0.239	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Chloroethane	0.243	<del>J3</del>	0.0432	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Chloroform	U		0.0166	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Chloromethane	U		0.0556	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Dibromomethane	U		0.0400	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
cis-1,2-Dichloroethene	0.244		0.0276	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Ethylbenzene	0.0830	<del>U</del>	0.0212	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Methylene Chloride	U		0.265	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Styrene	U		0.109	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Toluene	0.481		0.0500	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2,3-Trichlorobenzene	U	<del>UJ</del>	<del>C4 J3</del>	0.0250	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Trichloroethene	0.0660		0.0160	0.0400	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2,4-Trimethylbenzene	0.136	<del>U</del>	0.0464	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Vinyl chloride	U		0.0273	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Xylenes, Total	0.531		0.191	0.260	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Iodomethane	U		0.242	0.500	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Allyl chloride	U		0.580	1.00	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 07:09	<a href="#">WG1720727</a>	
(S) Toluene-d8	109			75.0-131		08/11/2021 07:09	<a href="#">WG1720727</a>	
(S) 4-Bromofluorobenzene	90.8			67.0-138		08/11/2021 07:09	<a href="#">WG1720727</a>	
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/11/2021 07:09	<a href="#">WG1720727</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	318000		2970	25000	5	08/08/2021 13:26	<a href="#">WG1719269</a>

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15200		102	1000	1	08/07/2021 23:03	<a href="#">WG1718338</a>

## Metals (ICPMS) by Method 6020B

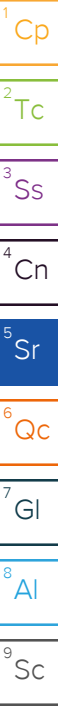
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15500		28.1	100	1	08/09/2021 20:49	<a href="#">WG1719889</a>
Manganese	11200		3.52	25.0	5	08/09/2021 21:03	<a href="#">WG1719889</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12400		2.87	6.78	10	08/11/2021 15:27	<a href="#">WG1721525</a>
Ethane	U		0.296	1.29	1	08/05/2021 15:55	<a href="#">WG1717875</a>
Ethene	U		0.422	1.27	1	08/05/2021 15:55	<a href="#">WG1717875</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.93	J+ C5 J4	0.548	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Benzene	0.0640		0.0160	0.0400	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Bromoform	U		0.239	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Chloroform	U		0.0166	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Chloromethane	U		0.0556	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Dibromomethane	U		0.0400	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1-Dichloroethene	0.117	<del>J3</del>	0.0200	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	15.4		0.0276	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
trans-1,2-Dichloroethene	0.120	J	0.0572	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	<del>133</del>	0.0317	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Ethylbenzene	0.0650	<del>133</del>	0.0212	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Naphthalene	U	<del>133</del>	0.124	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Styrene	U		0.109	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	<del>133</del>	0.0270	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Tetrachloroethene	0.0910	<del>133</del>	0.0280	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Toluene	0.318		0.0500	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	UJ <del>133</del> C4 J3	0.0250	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>133</del>	0.193	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Trichloroethene	0.290		0.0160	0.0400	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>133</del>	0.0200	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.107	<del>133</del>	0.0464	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Vinyl chloride	4.46		0.0273	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Xylenes, Total	0.398		0.191	0.260	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Tetrahydrofuran	0.691		0.0900	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 07:28	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 07:28	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 07:28	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	90.4			67.0-138		08/11/2021 07:28	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/11/2021 07:28	<a href="#">WG1720727</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	1830	<del>B</del> J	594	5000	1	08/11/2021 18:55	<a href="#">WG1721197</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4450		102	1000	1	08/09/2021 22:23	<a href="#">WG1719813</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	7870		28.1	100	1	08/12/2021 17:36	<a href="#">WG1720717</a>
Manganese	2430		0.704	5.00	1	08/12/2021 17:36	<a href="#">WG1720717</a>

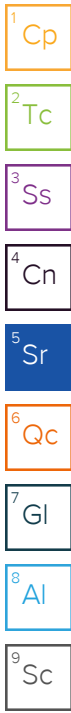
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	15200		29.1	100	10	08/13/2021 13:55	<a href="#">WG1722614</a>
Ethane	41.5		4.07	13.0	1	08/12/2021 11:24	<a href="#">WG1721102</a>
Ethene	U		4.26	13.0	1	08/12/2021 11:24	<a href="#">WG1721102</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.26	J+ C5 J4	0.548	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Benzene	0.0280	J	0.0160	0.0400	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Bromoform	U		0.239	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Bromomethane	U	<del>JS</del>	0.148	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Chloroethane	U	<del>JS</del>	0.0432	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Chloroform	U		0.0166	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Chloromethane	U		0.0556	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Dibromomethane	U		0.0400	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Dichlorodifluoromethane	U	<del>JS</del>	0.0327	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1-Dichloroethene	U	<del>JS</del>	0.0200	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	0.331		0.0276	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	J3	0.0317	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Ethylbenzene	U		0.0212	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Naphthalene	U	J3	0.124	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Styrene	U		0.109	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	J3	0.0270	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Toluene	U		0.0500	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Trichloroethene	U		0.0160	0.0400	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	J3	0.0200	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Vinyl chloride	0.0980	J	0.0273	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 07:47	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 07:47	<a href="#">WG1720727</a>
(S) Toluene-d8	106			75.0-131		08/11/2021 07:47	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		08/11/2021 07:47	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/11/2021 07:47	<a href="#">WG1720727</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	2300	<del>B</del> J	594	5000	1	08/11/2021 19:10	<a href="#">WG1721197</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	6280		102	1000	1	08/09/2021 22:52	<a href="#">WG1719813</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2060		28.1	100	1	08/12/2021 17:39	<a href="#">WG1720717</a>
Manganese	523		0.704	5.00	1	08/12/2021 17:39	<a href="#">WG1720717</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	884		2.91	10.0	1	08/12/2021 11:27	<a href="#">WG1721102</a>
Ethane	U		4.07	13.0	1	08/12/2021 11:27	<a href="#">WG1721102</a>
Ethene	U		4.26	13.0	1	08/12/2021 11:27	<a href="#">WG1721102</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	1.27	J+	<del>C5</del> J4	0.548	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Benzene	0.0330		J	0.0160	0.0400	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Bromoform	U		0.239	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Bromomethane	U		<del>J3</del>	0.148	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Chloroethane	U		<del>J3</del>	0.0432	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Chloroform	U		0.0166	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Chloromethane	U		0.0556	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Dibromomethane	U		0.0400	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
Dichlorodifluoromethane	U		<del>J3</del>	0.0327	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,1-Dichloroethene	U		<del>J3</del>	0.0200	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	0.909		0.0276	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	<del>13</del>	0.0317	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Ethylbenzene	0.0380	<del>13</del>	0.0212	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Naphthalene	U	<del>13</del>	0.124	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Styrene	U		0.109	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	<del>13</del>	0.0270	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Tetrachloroethene	0.0580	<del>13</del>	0.0280	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Toluene	0.239		0.0500	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	<del>UJ</del> <del>13</del> <del>C4</del> <del>13</del>	0.0250	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>13</del>	0.193	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Trichloroethene	0.0610		0.0160	0.0400	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>13</del>	0.0200	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.0910	<del>13</del>	0.0464	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Vinyl chloride	0.602		0.0273	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Xylenes, Total	0.308		0.191	0.260	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Ethyl Ether	0.167		0.0170	0.100	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 08:06	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 08:06	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 08:06	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	89.5			67.0-138		08/11/2021 08:06	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/11/2021 08:06	<a href="#">WG1720727</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	34500		594	5000	1	08/11/2021 19:25	<a href="#">WG1721197</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6380		102	1000	1	08/09/2021 23:07	<a href="#">WG1719813</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13200		28.1	100	1	08/12/2021 17:43	<a href="#">WG1720717</a>
Manganese	1810		0.704	5.00	1	08/12/2021 17:43	<a href="#">WG1720717</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3970		2.91	10.0	1	08/12/2021 11:31	<a href="#">WG1721102</a>
Ethane	65.1		4.07	13.0	1	08/12/2021 11:31	<a href="#">WG1721102</a>
Ethene	17.6		4.26	13.0	1	08/12/2021 11:31	<a href="#">WG1721102</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.63	J+ C5 J4	2.74	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Acrylonitrile	U		0.380	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Benzene	2.23		0.0800	0.200	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Bromobenzene	U		0.210	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Bromodichloromethane	U		0.158	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Bromoform	U		1.20	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Bromomethane	U	J3	0.740	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.765	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
sec-Butylbenzene	U		0.505	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
tert-Butylbenzene	U		0.310	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Carbon tetrachloride	U		0.216	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Chlorobenzene	U		0.115	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Chlorodibromomethane	U		0.0900	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Chloroethane	U	J3	0.216	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Chloroform	U		0.0830	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Chloromethane	U		0.278	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
2-Chlorotoluene	U		0.184	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
4-Chlorotoluene	U		0.226	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2-Dibromoethane	U		0.105	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Dibromomethane	U		0.200	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2-Dichlorobenzene	U		0.290	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,3-Dichlorobenzene	U		0.340	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,4-Dichlorobenzene	U		0.394	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Dichlorodifluoromethane	U	J3	0.164	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1-Dichloroethane	0.125	J	0.115	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2-Dichloroethane	U		0.0950	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1-Dichloroethene	3.65	J3	0.100	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	641		1.38	5.00	50	08/12/2021 01:59	<a href="#">WG1721633</a>
trans-1,2-Dichloroethene	3.33		0.286	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2-Dichloropropane	U		0.254	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>



JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.140	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.350	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.136	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.306	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	<del>I3</del>	0.159	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0700	0.200	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Ethylbenzene	U		0.106	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		2.54	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.173	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.466	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		2.50	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Methylene Chloride	U		1.33	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0590	0.200	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Naphthalene	U	<del>I3</del>	0.620	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.236	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Styrene	U		0.545	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	<del>I3</del>	0.135	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Tetrachloroethene	209		0.140	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Toluene	U		0.250	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	<del>UJ</del> <del>C4</del> <del>I3</del>	0.125	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>I3</del>	0.965	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0550	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.177	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Trichloroethene	124		0.0800	0.200	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>I3</del>	0.100	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		1.02	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.232	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.230	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.216	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Vinyl chloride	159		0.137	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Xylenes, Total	U		0.955	1.30	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0850	0.500	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.450	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Iodomethane	U		1.21	2.50	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Allyl chloride	U		2.90	5.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	08/11/2021 13:25	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 13:25	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/12/2021 01:59	<a href="#">WG1721633</a>
(S) 4-Bromofluorobenzene	92.0			67.0-138		08/11/2021 13:25	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	91.6			67.0-138		08/12/2021 01:59	<a href="#">WG1721633</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/11/2021 13:25	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/12/2021 01:59	<a href="#">WG1721633</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	4710	<del>B</del> J	594	5000	1	08/11/2021 19:40	<a href="#">WG1721197</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2380	<del>B</del>	102	1000	1	08/10/2021 15:41	<a href="#">WG1720412</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	478		28.1	100	1	08/12/2021 17:46	<a href="#">WG1720717</a>
Manganese	269		0.704	5.00	1	08/12/2021 17:46	<a href="#">WG1720717</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	300		2.91	10.0	1	08/12/2021 11:35	<a href="#">WG1721102</a>
Ethane	U		4.07	13.0	1	08/12/2021 11:35	<a href="#">WG1721102</a>
Ethene	U		4.26	13.0	1	08/12/2021 11:35	<a href="#">WG1721102</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.58	J+ C5 J4	0.548	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Benzene	U		0.0160	0.0400	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Bromoform	U		0.239	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Chloroform	U		0.0166	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Chloromethane	U		0.0556	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Dibromomethane	U		0.0400	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Ethylbenzene	U		0.0212	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Styrene	U		0.109	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Toluene	U		0.0500	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	UJ <del>C4 J3</del>	0.0250	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Trichloroethene	U		0.0160	0.0400	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Vinyl chloride	U		0.0273	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 08:25	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 08:25	<a href="#">WG1720727</a>
(S) Toluene-d8	107			75.0-131		08/11/2021 08:25	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	92.0			67.0-138		08/11/2021 08:25	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/11/2021 08:25	<a href="#">WG1720727</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	18400		594	5000	1	08/11/2021 19:55	<a href="#">WG1721197</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1500	<del>B</del>	102	1000	1	08/10/2021 16:16	<a href="#">WG1720412</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	4170		28.1	100	1	08/12/2021 17:50	<a href="#">WG1720717</a>
Manganese	315		0.704	5.00	1	08/12/2021 17:50	<a href="#">WG1720717</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	255		2.91	10.0	1	08/12/2021 11:39	<a href="#">WG1721102</a>
Ethane	21.5		4.07	13.0	1	08/12/2021 11:39	<a href="#">WG1721102</a>
Ethene	U		4.26	13.0	1	08/12/2021 11:39	<a href="#">WG1721102</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	1.33	J+	<a href="#">C5 J4</a>	0.548	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Benzene	0.0360	J	0.0160	0.0400	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Bromobenzene	U		0.0420	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Bromoform	U		0.239	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Chloroform	U		0.0166	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Chloromethane	U		0.0556	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Dibromomethane	U		0.0400	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1-Dichloroethene	0.0540	J <del>J3</del>	0.0200	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
cis-1,2-Dichloroethene	6.18		0.0276	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Ethylbenzene	0.0790	J	0.0212	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Methylene Chloride	U		0.265	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Styrene	U		0.109	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Toluene	0.548		0.0500	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2,3-Trichlorobenzene	U	UJ	<del>C4 J3</del>	0.0250	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Trichloroethene	0.0460		0.0160	0.0400	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2,4-Trimethylbenzene	0.0970	J	0.0464	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Vinyl chloride	44.2		0.0273	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Xylenes, Total	0.480		0.191	0.260	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Iodomethane	U		0.242	0.500	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Allyl chloride	U		0.580	1.00	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 08:45	<a href="#">WG1720727</a>	
(S) Toluene-d8	107			75.0-131		08/11/2021 08:45	<a href="#">WG1720727</a>	
(S) 4-Bromofluorobenzene	89.1			67.0-138		08/11/2021 08:45	<a href="#">WG1720727</a>	
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/11/2021 08:45	<a href="#">WG1720727</a>	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
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- 7 Gl
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- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.16	J+ C5 J4	0.548	1.00	1	08/11/2021 09:56	WG1720727
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 09:56	WG1720727
Benzene	0.176		0.0160	0.0400	1	08/11/2021 09:56	WG1720727
Bromobenzene	U		0.0420	0.500	1	08/11/2021 09:56	WG1720727
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 09:56	WG1720727
Bromoform	U		0.239	1.00	1	08/11/2021 09:56	WG1720727
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 09:56	WG1720727
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 09:56	WG1720727
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 09:56	WG1720727
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 09:56	WG1720727
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 09:56	WG1720727
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 09:56	WG1720727
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 09:56	WG1720727
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	08/11/2021 09:56	WG1720727
Chloroform	U		0.0166	0.100	1	08/11/2021 09:56	WG1720727
Chloromethane	U		0.0556	0.500	1	08/11/2021 09:56	WG1720727
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 09:56	WG1720727
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 09:56	WG1720727
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 09:56	WG1720727
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 09:56	WG1720727
Dibromomethane	U		0.0400	0.200	1	08/11/2021 09:56	WG1720727
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 09:56	WG1720727
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 09:56	WG1720727
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 09:56	WG1720727
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 09:56	WG1720727
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 09:56	WG1720727
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 09:56	WG1720727
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 09:56	WG1720727
cis-1,2-Dichloroethene	0.0860	J	0.0276	0.100	1	08/11/2021 09:56	WG1720727
trans-1,2-Dichloroethene	1.30		0.0572	0.200	1	08/11/2021 09:56	WG1720727
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 09:56	WG1720727
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 09:56	WG1720727
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 09:56	WG1720727
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 09:56	WG1720727
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 09:56	WG1720727
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 09:56	WG1720727
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 09:56	WG1720727
Ethylbenzene	U		0.0212	0.100	1	08/11/2021 09:56	WG1720727
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 09:56	WG1720727
Isopropylbenzene	0.128		0.0345	0.100	1	08/11/2021 09:56	WG1720727
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 09:56	WG1720727
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 09:56	WG1720727
Methylene Chloride	U		0.265	1.00	1	08/11/2021 09:56	WG1720727
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 09:56	WG1720727
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 09:56	WG1720727
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 09:56	WG1720727
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 09:56	WG1720727
Styrene	U		0.109	0.500	1	08/11/2021 09:56	WG1720727
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 09:56	WG1720727
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 09:56	WG1720727
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 09:56	WG1720727
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 09:56	WG1720727
Toluene	0.171	J	0.0500	0.200	1	08/11/2021 09:56	WG1720727
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 09:56	WG1720727
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 09:56	WG1720727
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 09:56	WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Trichloroethene	0.0450		0.0160	0.0400	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<u>J3</u>	0.0200	0.100	1	08/11/2021 09:56	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 09:56	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 09:56	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 09:56	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Vinyl chloride	0.636		0.0273	0.100	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Tetrahydrofuran	8.02		0.0900	0.500	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 09:56	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 09:56	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 09:56	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	92.4			67.0-138		08/11/2021 09:56	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/11/2021 09:56	<a href="#">WG1720727</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.31	J+	C5 J4	0.548	1.00	1	08/11/2021 10:15 WG1720727
Acrylonitrile	U			0.0760	0.500	1	08/11/2021 10:15 WG1720727
Benzene	0.0220	J		0.0160	0.0400	1	08/11/2021 10:15 WG1720727
Bromobenzene	U			0.0420	0.500	1	08/11/2021 10:15 WG1720727
Bromodichloromethane	U			0.0315	0.100	1	08/11/2021 10:15 WG1720727
Bromoform	U			0.239	1.00	1	08/11/2021 10:15 WG1720727
Bromomethane	U		J3	0.148	0.500	1	08/11/2021 10:15 WG1720727
n-Butylbenzene	U			0.153	0.500	1	08/11/2021 10:15 WG1720727
sec-Butylbenzene	U			0.101	0.500	1	08/11/2021 10:15 WG1720727
tert-Butylbenzene	U			0.0620	0.200	1	08/11/2021 10:15 WG1720727
Carbon tetrachloride	U			0.0432	0.200	1	08/11/2021 10:15 WG1720727
Chlorobenzene	U			0.0229	0.100	1	08/11/2021 10:15 WG1720727
Chlorodibromomethane	U			0.0180	0.100	1	08/11/2021 10:15 WG1720727
Chloroethane	1.51		J3	0.0432	0.200	1	08/11/2021 10:15 WG1720727
Chloroform	U			0.0166	0.100	1	08/11/2021 10:15 WG1720727
Chloromethane	U			0.0556	0.500	1	08/11/2021 10:15 WG1720727
2-Chlorotoluene	U			0.0368	0.100	1	08/11/2021 10:15 WG1720727
4-Chlorotoluene	U			0.0452	0.200	1	08/11/2021 10:15 WG1720727
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/11/2021 10:15 WG1720727
1,2-Dibromoethane	U			0.0210	0.100	1	08/11/2021 10:15 WG1720727
Dibromomethane	U			0.0400	0.200	1	08/11/2021 10:15 WG1720727
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/11/2021 10:15 WG1720727
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/11/2021 10:15 WG1720727
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/11/2021 10:15 WG1720727
Dichlorodifluoromethane	U		J3	0.0327	0.100	1	08/11/2021 10:15 WG1720727
1,1-Dichloroethane	U			0.0230	0.100	1	08/11/2021 10:15 WG1720727
1,2-Dichloroethane	U			0.0190	0.100	1	08/11/2021 10:15 WG1720727
1,1-Dichloroethene	U		J3	0.0200	0.100	1	08/11/2021 10:15 WG1720727
cis-1,2-Dichloroethene	0.328			0.0276	0.100	1	08/11/2021 10:15 WG1720727
trans-1,2-Dichloroethene	0.557			0.0572	0.200	1	08/11/2021 10:15 WG1720727
1,2-Dichloropropane	U			0.0508	0.200	1	08/11/2021 10:15 WG1720727
1,1-Dichloropropene	U			0.0280	0.100	1	08/11/2021 10:15 WG1720727
1,3-Dichloropropane	U			0.0700	0.200	1	08/11/2021 10:15 WG1720727
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/11/2021 10:15 WG1720727
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/11/2021 10:15 WG1720727
2,2-Dichloropropane	U		J3	0.0317	0.100	1	08/11/2021 10:15 WG1720727
Di-isopropyl ether	U			0.0140	0.0400	1	08/11/2021 10:15 WG1720727
Ethylbenzene	U			0.0212	0.100	1	08/11/2021 10:15 WG1720727
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/11/2021 10:15 WG1720727
Isopropylbenzene	U			0.0345	0.100	1	08/11/2021 10:15 WG1720727
p-Isopropyltoluene	U			0.0932	0.200	1	08/11/2021 10:15 WG1720727
2-Butanone (MEK)	U			0.500	1.00	1	08/11/2021 10:15 WG1720727
Methylene Chloride	U			0.265	1.00	1	08/11/2021 10:15 WG1720727
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/11/2021 10:15 WG1720727
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/11/2021 10:15 WG1720727
Naphthalene	U		J3	0.124	0.500	1	08/11/2021 10:15 WG1720727
n-Propylbenzene	U			0.0472	0.200	1	08/11/2021 10:15 WG1720727
Styrene	U			0.109	0.500	1	08/11/2021 10:15 WG1720727
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/11/2021 10:15 WG1720727
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/11/2021 10:15 WG1720727
1,1,2-Trichlorotrifluoroethane	U		J3	0.0270	0.100	1	08/11/2021 10:15 WG1720727
Tetrachloroethene	U			0.0280	0.100	1	08/11/2021 10:15 WG1720727
Toluene	U			0.0500	0.200	1	08/11/2021 10:15 WG1720727
1,2,3-Trichlorobenzene	U	UJ	C4 J3	0.0250	0.500	1	08/11/2021 10:15 WG1720727
1,2,4-Trichlorobenzene	U		J3	0.193	0.500	1	08/11/2021 10:15 WG1720727
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/11/2021 10:15 WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Trichloroethene	0.110		0.0160	0.0400	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>33</del>	0.0200	0.100	1	08/11/2021 10:15	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 10:15	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 10:15	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 10:15	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Vinyl chloride	29.7		0.0273	0.100	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 10:15	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 10:15	<a href="#">WG1720727</a>
(S) Toluene-d8	109			75.0-131		08/11/2021 10:15	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	90.1			67.0-138		08/11/2021 10:15	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/11/2021 10:15	<a href="#">WG1720727</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	37300		594	5000	1	08/12/2021 12:00	<a href="#">WG1721204</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	18900		102	1000	1	08/11/2021 14:54	<a href="#">WG1721223</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8290		562	2000	20	08/11/2021 14:08	<a href="#">WG1719890</a>
Manganese	3860		14.1	100	20	08/11/2021 14:08	<a href="#">WG1719890</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5070		29.1	100	10	08/16/2021 15:07	<a href="#">WG1724116</a>
Ethane	28.5		4.07	13.0	1	08/11/2021 14:19	<a href="#">WG1720806</a>
Ethene	U		4.26	13.0	1	08/11/2021 14:19	<a href="#">WG1720806</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.47	J+ C5 J4	0.548	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Benzene	0.265		0.0160	0.0400	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Bromoform	U		0.239	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Bromomethane	U	J5	0.148	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Chloroethane	U	J5	0.0432	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Chloroform	U		0.0166	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Chloromethane	U		0.0556	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Dibromomethane	U		0.0400	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Dichlorodifluoromethane	U	J3	0.0327	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1-Dichloroethene	0.115	J3	0.0200	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
cis-1,2-Dichloroethene	22.1		0.0276	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
trans-1,2-Dichloroethene	0.274		0.0572	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Ethylbenzene	0.0650	<del>J</del>	0.0212	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Styrene	U		0.109	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Toluene	0.291		0.0500	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2,3-Trichlorobenzene	U	<del>UJ C4 J3</del>	0.0250	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Trichloroethene	0.115		0.0160	0.0400	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.146	<del>J</del>	0.0464	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Vinyl chloride	12.2		0.0273	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Xylenes, Total	0.411		0.191	0.260	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Ethyl Ether	0.189		0.0170	0.100	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Tetrahydrofuran	5.42		0.0900	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 10:34	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 10:34	<a href="#">WG1720727</a>
(S) Toluene-d8	110			75.0-131		08/11/2021 10:34	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	88.9			67.0-138		08/11/2021 10:34	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/11/2021 10:34	<a href="#">WG1720727</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.86	J+ C5 J4	0.548	1.00	1	08/11/2021 10:53	WG1720727
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 10:53	WG1720727
Benzene	0.0820		0.0160	0.0400	1	08/11/2021 10:53	WG1720727
Bromobenzene	U		0.0420	0.500	1	08/11/2021 10:53	WG1720727
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 10:53	WG1720727
Bromoform	U		0.239	1.00	1	08/11/2021 10:53	WG1720727
Bromomethane	U	J3	0.148	0.500	1	08/11/2021 10:53	WG1720727
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 10:53	WG1720727
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 10:53	WG1720727
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 10:53	WG1720727
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 10:53	WG1720727
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 10:53	WG1720727
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 10:53	WG1720727
Chloroethane	0.230	J3	0.0432	0.200	1	08/11/2021 10:53	WG1720727
Chloroform	U		0.0166	0.100	1	08/11/2021 10:53	WG1720727
Chloromethane	U		0.0556	0.500	1	08/11/2021 10:53	WG1720727
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 10:53	WG1720727
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 10:53	WG1720727
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 10:53	WG1720727
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 10:53	WG1720727
Dibromomethane	U		0.0400	0.200	1	08/11/2021 10:53	WG1720727
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 10:53	WG1720727
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 10:53	WG1720727
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 10:53	WG1720727
Dichlorodifluoromethane	U	J3	0.0327	0.100	1	08/11/2021 10:53	WG1720727
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 10:53	WG1720727
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 10:53	WG1720727
1,1-Dichloroethene	U	J3	0.0200	0.100	1	08/11/2021 10:53	WG1720727
cis-1,2-Dichloroethene	0.171		0.0276	0.100	1	08/11/2021 10:53	WG1720727
trans-1,2-Dichloroethene	2.16		0.0572	0.200	1	08/11/2021 10:53	WG1720727
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 10:53	WG1720727
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 10:53	WG1720727
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 10:53	WG1720727
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 10:53	WG1720727
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 10:53	WG1720727
2,2-Dichloropropane	U	J3	0.0317	0.100	1	08/11/2021 10:53	WG1720727
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 10:53	WG1720727
Ethylbenzene	0.0580	J	0.0212	0.100	1	08/11/2021 10:53	WG1720727
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 10:53	WG1720727
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 10:53	WG1720727
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 10:53	WG1720727
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 10:53	WG1720727
Methylene Chloride	U		0.265	1.00	1	08/11/2021 10:53	WG1720727
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 10:53	WG1720727
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 10:53	WG1720727
Naphthalene	U	J3	0.124	0.500	1	08/11/2021 10:53	WG1720727
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 10:53	WG1720727
Styrene	0.155	J	0.109	0.500	1	08/11/2021 10:53	WG1720727
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 10:53	WG1720727
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 10:53	WG1720727
1,1,2-Trichlorotrifluoroethane	U	J3	0.0270	0.100	1	08/11/2021 10:53	WG1720727
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 10:53	WG1720727
Toluene	0.597		0.0500	0.200	1	08/11/2021 10:53	WG1720727
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 10:53	WG1720727
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	08/11/2021 10:53	WG1720727
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 10:53	WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Trichloroethene	U		0.0160	0.0400	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<u>3</u>	0.0200	0.100	1	08/11/2021 10:53	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 10:53	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.0880	<u>U</u>	0.0464	0.200	1	08/11/2021 10:53	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 10:53	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Vinyl chloride	0.377		0.0273	0.100	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Xylenes, Total	0.367		0.191	0.260	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Tetrahydrofuran	0.402	<u>U</u>	0.0900	0.500	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 10:53	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 10:53	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 10:53	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	92.1			67.0-138		08/11/2021 10:53	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/11/2021 10:53	<a href="#">WG1720727</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.60	J+ C5 J4	0.548	1.00	1	08/11/2021 11:12	WG1720727
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 11:12	WG1720727
Benzene	0.0450		0.0160	0.0400	1	08/11/2021 11:12	WG1720727
Bromobenzene	U		0.0420	0.500	1	08/11/2021 11:12	WG1720727
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 11:12	WG1720727
Bromoform	U		0.239	1.00	1	08/11/2021 11:12	WG1720727
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 11:12	WG1720727
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 11:12	WG1720727
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 11:12	WG1720727
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 11:12	WG1720727
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 11:12	WG1720727
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 11:12	WG1720727
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 11:12	WG1720727
Chloroethane	0.252	<del>J3</del>	0.0432	0.200	1	08/11/2021 11:12	WG1720727
Chloroform	U		0.0166	0.100	1	08/11/2021 11:12	WG1720727
Chloromethane	U		0.0556	0.500	1	08/11/2021 11:12	WG1720727
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 11:12	WG1720727
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 11:12	WG1720727
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 11:12	WG1720727
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 11:12	WG1720727
Dibromomethane	U		0.0400	0.200	1	08/11/2021 11:12	WG1720727
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 11:12	WG1720727
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 11:12	WG1720727
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 11:12	WG1720727
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 11:12	WG1720727
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 11:12	WG1720727
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 11:12	WG1720727
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	08/11/2021 11:12	WG1720727
cis-1,2-Dichloroethene	0.574		0.0276	0.100	1	08/11/2021 11:12	WG1720727
trans-1,2-Dichloroethene	1.80		0.0572	0.200	1	08/11/2021 11:12	WG1720727
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 11:12	WG1720727
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 11:12	WG1720727
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 11:12	WG1720727
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 11:12	WG1720727
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 11:12	WG1720727
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 11:12	WG1720727
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 11:12	WG1720727
Ethylbenzene	U		0.0212	0.100	1	08/11/2021 11:12	WG1720727
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 11:12	WG1720727
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 11:12	WG1720727
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 11:12	WG1720727
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 11:12	WG1720727
Methylene Chloride	U		0.265	1.00	1	08/11/2021 11:12	WG1720727
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 11:12	WG1720727
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 11:12	WG1720727
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 11:12	WG1720727
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 11:12	WG1720727
Styrene	0.141	J	0.109	0.500	1	08/11/2021 11:12	WG1720727
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 11:12	WG1720727
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 11:12	WG1720727
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 11:12	WG1720727
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 11:12	WG1720727
Toluene	0.279		0.0500	0.200	1	08/11/2021 11:12	WG1720727
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 11:12	WG1720727
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 11:12	WG1720727
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 11:12	WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Trichloroethene	U		0.0160	0.0400	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>JS</del>	0.0200	0.100	1	08/11/2021 11:12	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 11:12	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.0630	J	0.0464	0.200	1	08/11/2021 11:12	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 11:12	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Vinyl chloride	0.824		0.0273	0.100	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 11:12	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 11:12	<a href="#">WG1720727</a>
(S) Toluene-d8	110			75.0-131		08/11/2021 11:12	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	88.8			67.0-138		08/11/2021 11:12	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/11/2021 11:12	<a href="#">WG1720727</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.86	J+ C5 J4	0.548	1.00	1	08/11/2021 11:31	WG1720727
Acrylonitrile	U		0.0760	0.500	1	08/11/2021 11:31	WG1720727
Benzene	0.0680		0.0160	0.0400	1	08/11/2021 11:31	WG1720727
Bromobenzene	U		0.0420	0.500	1	08/11/2021 11:31	WG1720727
Bromodichloromethane	U		0.0315	0.100	1	08/11/2021 11:31	WG1720727
Bromoform	U		0.239	1.00	1	08/11/2021 11:31	WG1720727
Bromomethane	U	<del>J3</del>	0.148	0.500	1	08/11/2021 11:31	WG1720727
n-Butylbenzene	U		0.153	0.500	1	08/11/2021 11:31	WG1720727
sec-Butylbenzene	U		0.101	0.500	1	08/11/2021 11:31	WG1720727
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2021 11:31	WG1720727
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2021 11:31	WG1720727
Chlorobenzene	U		0.0229	0.100	1	08/11/2021 11:31	WG1720727
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2021 11:31	WG1720727
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	08/11/2021 11:31	WG1720727
Chloroform	U		0.0166	0.100	1	08/11/2021 11:31	WG1720727
Chloromethane	U		0.0556	0.500	1	08/11/2021 11:31	WG1720727
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2021 11:31	WG1720727
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2021 11:31	WG1720727
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2021 11:31	WG1720727
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2021 11:31	WG1720727
Dibromomethane	U		0.0400	0.200	1	08/11/2021 11:31	WG1720727
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2021 11:31	WG1720727
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2021 11:31	WG1720727
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2021 11:31	WG1720727
Dichlorodifluoromethane	U	<del>J3</del>	0.0327	0.100	1	08/11/2021 11:31	WG1720727
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2021 11:31	WG1720727
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2021 11:31	WG1720727
1,1-Dichloroethene	12.5	<del>J3</del>	0.0200	0.100	1	08/11/2021 11:31	WG1720727
cis-1,2-Dichloroethene	3570		6.90	25.0	250	08/12/2021 02:18	WG1721633
trans-1,2-Dichloroethene	9.87		0.0572	0.200	1	08/11/2021 11:31	WG1720727
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2021 11:31	WG1720727
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2021 11:31	WG1720727
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2021 11:31	WG1720727
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2021 11:31	WG1720727
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2021 11:31	WG1720727
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	08/11/2021 11:31	WG1720727
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2021 11:31	WG1720727
Ethylbenzene	0.0530	J	0.0212	0.100	1	08/11/2021 11:31	WG1720727
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2021 11:31	WG1720727
Isopropylbenzene	U		0.0345	0.100	1	08/11/2021 11:31	WG1720727
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2021 11:31	WG1720727
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2021 11:31	WG1720727
Methylene Chloride	U		0.265	1.00	1	08/11/2021 11:31	WG1720727
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2021 11:31	WG1720727
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2021 11:31	WG1720727
Naphthalene	U	<del>J3</del>	0.124	0.500	1	08/11/2021 11:31	WG1720727
n-Propylbenzene	U		0.0472	0.200	1	08/11/2021 11:31	WG1720727
Styrene	0.121	J	0.109	0.500	1	08/11/2021 11:31	WG1720727
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2021 11:31	WG1720727
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2021 11:31	WG1720727
1,1,2-Trichlorotrifluoroethane	U	<del>J3</del>	0.0270	0.100	1	08/11/2021 11:31	WG1720727
Tetrachloroethene	U		0.0280	0.100	1	08/11/2021 11:31	WG1720727
Toluene	0.347		0.0500	0.200	1	08/11/2021 11:31	WG1720727
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	08/11/2021 11:31	WG1720727
1,2,4-Trichlorobenzene	U	<del>J3</del>	0.193	0.500	1	08/11/2021 11:31	WG1720727
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2021 11:31	WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Trichloroethene	2.55		0.0160	0.0400	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>13</del>	0.0200	0.100	1	08/11/2021 11:31	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 11:31	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 11:31	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 11:31	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Vinyl chloride	3740		6.82	25.0	250	08/12/2021 02:18	<a href="#">WG1721633</a>
Xylenes, Total	0.273		0.191	0.260	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 11:31	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 11:31	<a href="#">WG1720727</a>
(S) Toluene-d8	108			75.0-131		08/11/2021 11:31	<a href="#">WG1720727</a>
(S) Toluene-d8	112			75.0-131		08/12/2021 02:18	<a href="#">WG1721633</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		08/11/2021 11:31	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	87.8			67.0-138		08/12/2021 02:18	<a href="#">WG1721633</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/11/2021 11:31	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/12/2021 02:18	<a href="#">WG1721633</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

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Qc

7  
Gl

8  
Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.81	J+	C5 J4	0.548	1.00	1	08/11/2021 11:50 WG1720727
Acrylonitrile	U			0.0760	0.500	1	08/11/2021 11:50 WG1720727
Benzene	0.0270	J		0.0160	0.0400	1	08/11/2021 11:50 WG1720727
Bromobenzene	U			0.0420	0.500	1	08/11/2021 11:50 WG1720727
Bromodichloromethane	U			0.0315	0.100	1	08/11/2021 11:50 WG1720727
Bromoform	U			0.239	1.00	1	08/11/2021 11:50 WG1720727
Bromomethane	U		<del>J3</del>	0.148	0.500	1	08/11/2021 11:50 WG1720727
n-Butylbenzene	U			0.153	0.500	1	08/11/2021 11:50 WG1720727
sec-Butylbenzene	U			0.101	0.500	1	08/11/2021 11:50 WG1720727
tert-Butylbenzene	U			0.0620	0.200	1	08/11/2021 11:50 WG1720727
Carbon tetrachloride	U			0.0432	0.200	1	08/11/2021 11:50 WG1720727
Chlorobenzene	U			0.0229	0.100	1	08/11/2021 11:50 WG1720727
Chlorodibromomethane	U			0.0180	0.100	1	08/11/2021 11:50 WG1720727
Chloroethane	7.90		<del>J3</del>	0.0432	0.200	1	08/11/2021 11:50 WG1720727
Chloroform	U			0.0166	0.100	1	08/11/2021 11:50 WG1720727
Chloromethane	U			0.0556	0.500	1	08/11/2021 11:50 WG1720727
2-Chlorotoluene	U			0.0368	0.100	1	08/11/2021 11:50 WG1720727
4-Chlorotoluene	U			0.0452	0.200	1	08/11/2021 11:50 WG1720727
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/11/2021 11:50 WG1720727
1,2-Dibromoethane	U			0.0210	0.100	1	08/11/2021 11:50 WG1720727
Dibromomethane	U			0.0400	0.200	1	08/11/2021 11:50 WG1720727
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/11/2021 11:50 WG1720727
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/11/2021 11:50 WG1720727
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/11/2021 11:50 WG1720727
Dichlorodifluoromethane	U		<del>J3</del>	0.0327	0.100	1	08/11/2021 11:50 WG1720727
1,1-Dichloroethane	U			0.0230	0.100	1	08/11/2021 11:50 WG1720727
1,2-Dichloroethane	U			0.0190	0.100	1	08/11/2021 11:50 WG1720727
1,1-Dichloroethene	12.8		<del>J3</del>	0.0200	0.100	1	08/11/2021 11:50 WG1720727
cis-1,2-Dichloroethene	196			0.552	2.00	20	08/12/2021 02:37 WG1721633
trans-1,2-Dichloroethene	3.39			0.0572	0.200	1	08/11/2021 11:50 WG1720727
1,2-Dichloropropane	U			0.0508	0.200	1	08/11/2021 11:50 WG1720727
1,1-Dichloropropene	U			0.0280	0.100	1	08/11/2021 11:50 WG1720727
1,3-Dichloropropane	U			0.0700	0.200	1	08/11/2021 11:50 WG1720727
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/11/2021 11:50 WG1720727
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/11/2021 11:50 WG1720727
2,2-Dichloropropane	U		<del>J3</del>	0.0317	0.100	1	08/11/2021 11:50 WG1720727
Di-isopropyl ether	U			0.0140	0.0400	1	08/11/2021 11:50 WG1720727
Ethylbenzene	U			0.0212	0.100	1	08/11/2021 11:50 WG1720727
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/11/2021 11:50 WG1720727
Isopropylbenzene	U			0.0345	0.100	1	08/11/2021 11:50 WG1720727
p-Isopropyltoluene	U			0.0932	0.200	1	08/11/2021 11:50 WG1720727
2-Butanone (MEK)	U			0.500	1.00	1	08/11/2021 11:50 WG1720727
Methylene Chloride	U			0.265	1.00	1	08/11/2021 11:50 WG1720727
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/11/2021 11:50 WG1720727
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/11/2021 11:50 WG1720727
Naphthalene	U		<del>J3</del>	0.124	0.500	1	08/11/2021 11:50 WG1720727
n-Propylbenzene	U			0.0472	0.200	1	08/11/2021 11:50 WG1720727
Styrene	0.130		J	0.109	0.500	1	08/11/2021 11:50 WG1720727
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/11/2021 11:50 WG1720727
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/11/2021 11:50 WG1720727
1,1,2-Trichlorotrifluoroethane	U		<del>J3</del>	0.0270	0.100	1	08/11/2021 11:50 WG1720727
Tetrachloroethene	179			0.560	2.00	20	08/12/2021 02:37 WG1721633
Toluene	0.207			0.0500	0.200	1	08/11/2021 11:50 WG1720727
1,2,3-Trichlorobenzene	U	UJ	C4 J3	0.0250	0.500	1	08/11/2021 11:50 WG1720727
1,2,4-Trichlorobenzene	U		<del>J3</del>	0.193	0.500	1	08/11/2021 11:50 WG1720727
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/11/2021 11:50 WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Trichloroethene	171		0.320	0.800	20	08/12/2021 02:37	<a href="#">WG1721633</a>
Trichlorofluoromethane	U	<del>33</del>	0.0200	0.100	1	08/11/2021 11:50	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 11:50	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 11:50	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 11:50	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Vinyl chloride	25.7		0.546	2.00	20	08/12/2021 02:37	<a href="#">WG1721633</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 11:50	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 11:50	<a href="#">WG1720727</a>
(S) Toluene-d8	109			75.0-131		08/11/2021 11:50	<a href="#">WG1720727</a>
(S) Toluene-d8	110			75.0-131		08/12/2021 02:37	<a href="#">WG1721633</a>
(S) 4-Bromofluorobenzene	89.1			67.0-138		08/11/2021 11:50	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	89.0			67.0-138		08/12/2021 02:37	<a href="#">WG1721633</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/11/2021 11:50	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/12/2021 02:37	<a href="#">WG1721633</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

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Qc

7  
Gl

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Al

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Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.47	J+	C5 J4	0.548	1.00	1	08/11/2021 12:08 WG1720727
Acrylonitrile	U			0.0760	0.500	1	08/11/2021 12:08 WG1720727
Benzene	0.0200	J		0.0160	0.0400	1	08/11/2021 12:08 WG1720727
Bromobenzene	U			0.0420	0.500	1	08/11/2021 12:08 WG1720727
Bromodichloromethane	U			0.0315	0.100	1	08/11/2021 12:08 WG1720727
Bromoform	U			0.239	1.00	1	08/11/2021 12:08 WG1720727
Bromomethane	U		J3-	0.148	0.500	1	08/11/2021 12:08 WG1720727
n-Butylbenzene	U			0.153	0.500	1	08/11/2021 12:08 WG1720727
sec-Butylbenzene	U			0.101	0.500	1	08/11/2021 12:08 WG1720727
tert-Butylbenzene	U			0.0620	0.200	1	08/11/2021 12:08 WG1720727
Carbon tetrachloride	U			0.0432	0.200	1	08/11/2021 12:08 WG1720727
Chlorobenzene	U			0.0229	0.100	1	08/11/2021 12:08 WG1720727
Chlorodibromomethane	U			0.0180	0.100	1	08/11/2021 12:08 WG1720727
Chloroethane	5.30		J3-	0.0432	0.200	1	08/11/2021 12:08 WG1720727
Chloroform	U			0.0166	0.100	1	08/11/2021 12:08 WG1720727
Chloromethane	U			0.0556	0.500	1	08/11/2021 12:08 WG1720727
2-Chlorotoluene	U			0.0368	0.100	1	08/11/2021 12:08 WG1720727
4-Chlorotoluene	U			0.0452	0.200	1	08/11/2021 12:08 WG1720727
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/11/2021 12:08 WG1720727
1,2-Dibromoethane	U			0.0210	0.100	1	08/11/2021 12:08 WG1720727
Dibromomethane	U			0.0400	0.200	1	08/11/2021 12:08 WG1720727
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/11/2021 12:08 WG1720727
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/11/2021 12:08 WG1720727
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/11/2021 12:08 WG1720727
Dichlorodifluoromethane	U		J3-	0.0327	0.100	1	08/11/2021 12:08 WG1720727
1,1-Dichloroethane	U			0.0230	0.100	1	08/11/2021 12:08 WG1720727
1,2-Dichloroethane	U			0.0190	0.100	1	08/11/2021 12:08 WG1720727
1,1-Dichloroethene	0.312		J3-	0.0200	0.100	1	08/11/2021 12:08 WG1720727
cis-1,2-Dichloroethene	228			0.690	2.50	25	08/12/2021 02:56 WG1721633
trans-1,2-Dichloroethene	1.65			0.0572	0.200	1	08/11/2021 12:08 WG1720727
1,2-Dichloropropane	U			0.0508	0.200	1	08/11/2021 12:08 WG1720727
1,1-Dichloropropene	U			0.0280	0.100	1	08/11/2021 12:08 WG1720727
1,3-Dichloropropane	U			0.0700	0.200	1	08/11/2021 12:08 WG1720727
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/11/2021 12:08 WG1720727
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/11/2021 12:08 WG1720727
2,2-Dichloropropane	U		J3-	0.0317	0.100	1	08/11/2021 12:08 WG1720727
Di-isopropyl ether	U			0.0140	0.0400	1	08/11/2021 12:08 WG1720727
Ethylbenzene	U			0.0212	0.100	1	08/11/2021 12:08 WG1720727
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/11/2021 12:08 WG1720727
Isopropylbenzene	U			0.0345	0.100	1	08/11/2021 12:08 WG1720727
p-Isopropyltoluene	U			0.0932	0.200	1	08/11/2021 12:08 WG1720727
2-Butanone (MEK)	U			0.500	1.00	1	08/11/2021 12:08 WG1720727
Methylene Chloride	U			0.265	1.00	1	08/11/2021 12:08 WG1720727
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/11/2021 12:08 WG1720727
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/11/2021 12:08 WG1720727
Naphthalene	U		J3-	0.124	0.500	1	08/11/2021 12:08 WG1720727
n-Propylbenzene	U			0.0472	0.200	1	08/11/2021 12:08 WG1720727
Styrene	U			0.109	0.500	1	08/11/2021 12:08 WG1720727
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/11/2021 12:08 WG1720727
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/11/2021 12:08 WG1720727
1,1,2-Trichlorotrifluoroethane	U		J3-	0.0270	0.100	1	08/11/2021 12:08 WG1720727
Tetrachloroethene	U			0.700	2.50	25	08/12/2021 02:56 WG1721633
Toluene	0.141		J	0.0500	0.200	1	08/11/2021 12:08 WG1720727
1,2,3-Trichlorobenzene	U	UJ	C4 J3-	0.0250	0.500	1	08/11/2021 12:08 WG1720727
1,2,4-Trichlorobenzene	U		J3-	0.193	0.500	1	08/11/2021 12:08 WG1720727
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/11/2021 12:08 WG1720727

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Trichloroethene	0.625	U	0.400	1.00	25	08/12/2021 02:56	<a href="#">WG1721633</a>
Trichlorofluoromethane	U	<del>U3</del>	0.0200	0.100	1	08/11/2021 12:08	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 12:08	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2021 12:08	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 12:08	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Vinyl chloride	120		0.682	2.50	25	08/12/2021 02:56	<a href="#">WG1721633</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Tetrahydrofuran	0.260	U	0.0900	0.500	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Allyl chloride	U		0.580	1.00	1	08/11/2021 12:08	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 12:08	<a href="#">WG1720727</a>
(S) Toluene-d8	107			75.0-131		08/11/2021 12:08	<a href="#">WG1720727</a>
(S) Toluene-d8	111			75.0-131		08/12/2021 02:56	<a href="#">WG1721633</a>
(S) 4-Bromofluorobenzene	90.8			67.0-138		08/11/2021 12:08	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	87.9			67.0-138		08/12/2021 02:56	<a href="#">WG1721633</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/11/2021 12:08	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/12/2021 02:56	<a href="#">WG1721633</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.21	J+	C5 J4	0.548	1.00	1	08/11/2021 12:27 WG1720727
Acrylonitrile	U			0.0760	0.500	1	08/11/2021 12:27 WG1720727
Benzene	0.445			0.0160	0.0400	1	08/11/2021 12:27 WG1720727
Bromobenzene	U			0.0420	0.500	1	08/11/2021 12:27 WG1720727
Bromodichloromethane	U			0.0315	0.100	1	08/11/2021 12:27 WG1720727
Bromoform	U			0.239	1.00	1	08/11/2021 12:27 WG1720727
Bromomethane	U			0.148	0.500	1	08/11/2021 12:27 WG1720727
n-Butylbenzene	U			0.153	0.500	1	08/11/2021 12:27 WG1720727
sec-Butylbenzene	U			0.101	0.500	1	08/11/2021 12:27 WG1720727
tert-Butylbenzene	U			0.0620	0.200	1	08/11/2021 12:27 WG1720727
Carbon tetrachloride	U			0.0432	0.200	1	08/11/2021 12:27 WG1720727
Chlorobenzene	U			0.0229	0.100	1	08/11/2021 12:27 WG1720727
Chlorodibromomethane	U			0.0180	0.100	1	08/11/2021 12:27 WG1720727
Chloroethane	U			0.0432	0.200	1	08/11/2021 12:27 WG1720727
Chloroform	U			0.0166	0.100	1	08/11/2021 12:27 WG1720727
Chloromethane	U			0.0556	0.500	1	08/11/2021 12:27 WG1720727
2-Chlorotoluene	U			0.0368	0.100	1	08/11/2021 12:27 WG1720727
4-Chlorotoluene	U			0.0452	0.200	1	08/11/2021 12:27 WG1720727
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/11/2021 12:27 WG1720727
1,2-Dibromoethane	U			0.0210	0.100	1	08/11/2021 12:27 WG1720727
Dibromomethane	U			0.0400	0.200	1	08/11/2021 12:27 WG1720727
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/11/2021 12:27 WG1720727
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/11/2021 12:27 WG1720727
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/11/2021 12:27 WG1720727
Dichlorodifluoromethane	U			0.0327	0.100	1	08/11/2021 12:27 WG1720727
1,1-Dichloroethane	U			0.0230	0.100	1	08/11/2021 12:27 WG1720727
1,2-Dichloroethane	U			0.0190	0.100	1	08/11/2021 12:27 WG1720727
1,1-Dichloroethene	34.3			0.0200	0.100	1	08/11/2021 12:27 WG1720727
cis-1,2-Dichloroethene	11500			13.8	50.0	500	08/12/2021 03:15 WG1721633
trans-1,2-Dichloroethene	85.5			0.0572	0.200	1	08/11/2021 12:27 WG1720727
1,2-Dichloropropane	U			0.0508	0.200	1	08/11/2021 12:27 WG1720727
1,1-Dichloropropene	U			0.0280	0.100	1	08/11/2021 12:27 WG1720727
1,3-Dichloropropane	U			0.0700	0.200	1	08/11/2021 12:27 WG1720727
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/11/2021 12:27 WG1720727
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/11/2021 12:27 WG1720727
2,2-Dichloropropane	U			0.0317	0.100	1	08/11/2021 12:27 WG1720727
Di-isopropyl ether	U			0.0140	0.0400	1	08/11/2021 12:27 WG1720727
Ethylbenzene	0.152			0.0212	0.100	1	08/11/2021 12:27 WG1720727
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/11/2021 12:27 WG1720727
Isopropylbenzene	U			0.0345	0.100	1	08/11/2021 12:27 WG1720727
p-Isopropyltoluene	U			0.0932	0.200	1	08/11/2021 12:27 WG1720727
2-Butanone (MEK)	U			0.500	1.00	1	08/11/2021 12:27 WG1720727
Methylene Chloride	U			0.265	1.00	1	08/11/2021 12:27 WG1720727
4-Methyl-2-pentanone (MIBK)	0.495			0.400	1.00	1	08/11/2021 12:27 WG1720727
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/11/2021 12:27 WG1720727
Naphthalene	U			0.124	0.500	1	08/11/2021 12:27 WG1720727
n-Propylbenzene	U			0.0472	0.200	1	08/11/2021 12:27 WG1720727
Styrene	0.119			0.109	0.500	1	08/11/2021 12:27 WG1720727
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/11/2021 12:27 WG1720727
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/11/2021 12:27 WG1720727
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	08/11/2021 12:27 WG1720727
Tetrachloroethene	24.1			0.0280	0.100	1	08/11/2021 12:27 WG1720727
Toluene	1.24			0.0500	0.200	1	08/11/2021 12:27 WG1720727
1,2,3-Trichlorobenzene	U	UJ	C4 JS	0.0250	0.500	1	08/11/2021 12:27 WG1720727
1,2,4-Trichlorobenzene	U			0.193	0.500	1	08/11/2021 12:27 WG1720727
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/11/2021 12:27 WG1720727

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Trichloroethene	52.6		0.0160	0.0400	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Trichlorofluoromethane	U	<del>33</del>	0.0200	0.100	1	08/11/2021 12:27	<a href="#">WG1720727</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2021 12:27	<a href="#">WG1720727</a>
1,2,4-Trimethylbenzene	0.237		0.0464	0.200	1	08/11/2021 12:27	<a href="#">WG1720727</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2021 12:27	<a href="#">WG1720727</a>
1,3,5-Trimethylbenzene	0.0950	J	0.0432	0.200	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Vinyl chloride	7110		13.6	50.0	500	08/12/2021 03:15	<a href="#">WG1721633</a>
Xylenes, Total	0.756		0.191	0.260	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Tetrahydrofuran	4.42		0.0900	0.500	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Iodomethane	U		0.242	0.500	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Allyl chloride	1.20		0.580	1.00	1	08/11/2021 12:27	<a href="#">WG1720727</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2021 12:27	<a href="#">WG1720727</a>
(S) Toluene-d8	109			75.0-131		08/11/2021 12:27	<a href="#">WG1720727</a>
(S) Toluene-d8	110			75.0-131		08/12/2021 03:15	<a href="#">WG1721633</a>
(S) 4-Bromofluorobenzene	90.0			67.0-138		08/11/2021 12:27	<a href="#">WG1720727</a>
(S) 4-Bromofluorobenzene	91.3			67.0-138		08/12/2021 03:15	<a href="#">WG1721633</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/11/2021 12:27	<a href="#">WG1720727</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/12/2021 03:15	<a href="#">WG1721633</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.11		0.548	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Benzene	0.224		0.0160	0.0400	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Chloroethane	15.5		0.0432	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1-Dichloroethane	0.0720	J	0.0230	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1-Dichloroethene	6.96		0.0200	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	790		6.90	25.0	250	08/22/2021 18:29	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	30.6		0.0572	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Ethylbenzene	0.0900	J	0.0212	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
2-Butanone (MEK)	7.98	J+ C5 J3	0.500	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Tetrachloroethene	9.16		0.0280	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Toluene	0.992		0.0500	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Trichloroethene	U		4.00	10.0	250	08/22/2021 18:29	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	0.117	J	0.0464	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Vinyl chloride	2860		6.82	25.0	250	08/22/2021 18:29	<a href="#">WG1726824</a>
Xylenes, Total	0.543		0.191	0.260	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Ethyl Ether	0.0300	J	0.0170	0.100	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 19:07	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 19:07	<a href="#">WG1725879</a>
(S) Toluene-d8	108			75.0-131		08/19/2021 19:07	<a href="#">WG1725879</a>
(S) Toluene-d8	103			75.0-131		08/22/2021 18:29	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	88.3			67.0-138		08/19/2021 19:07	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	90.9			67.0-138		08/22/2021 18:29	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/19/2021 19:07	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/22/2021 18:29	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	11.8		5.48	10.0	10	08/19/2021 22:53	WG1725879
Acrylonitrile	U		0.760	5.00	10	08/19/2021 22:53	WG1725879
Benzene	0.440		0.160	0.400	10	08/19/2021 22:53	WG1725879
Bromobenzene	U		0.420	5.00	10	08/19/2021 22:53	WG1725879
Bromodichloromethane	U		0.315	1.00	10	08/19/2021 22:53	WG1725879
Bromoform	U		2.39	10.0	10	08/19/2021 22:53	WG1725879
Bromomethane	U		1.48	5.00	10	08/19/2021 22:53	WG1725879
n-Butylbenzene	U		1.53	5.00	10	08/19/2021 22:53	WG1725879
sec-Butylbenzene	U		1.01	5.00	10	08/19/2021 22:53	WG1725879
tert-Butylbenzene	U		0.620	2.00	10	08/19/2021 22:53	WG1725879
Carbon tetrachloride	U		0.432	2.00	10	08/19/2021 22:53	WG1725879
Chlorobenzene	U		0.229	1.00	10	08/19/2021 22:53	WG1725879
Chlorodibromomethane	U		0.180	1.00	10	08/19/2021 22:53	WG1725879
Chloroethane	33.1		0.432	2.00	10	08/19/2021 22:53	WG1725879
Chloroform	U		0.166	1.00	10	08/19/2021 22:53	WG1725879
Chloromethane	U		0.556	5.00	10	08/19/2021 22:53	WG1725879
2-Chlorotoluene	U		0.368	1.00	10	08/19/2021 22:53	WG1725879
4-Chlorotoluene	U		0.452	2.00	10	08/19/2021 22:53	WG1725879
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/19/2021 22:53	WG1725879
1,2-Dibromoethane	U		0.210	1.00	10	08/19/2021 22:53	WG1725879
Dibromomethane	U		0.400	2.00	10	08/19/2021 22:53	WG1725879
1,2-Dichlorobenzene	U		0.580	2.00	10	08/19/2021 22:53	WG1725879
1,3-Dichlorobenzene	U		0.680	2.00	10	08/19/2021 22:53	WG1725879
1,4-Dichlorobenzene	U		0.788	2.00	10	08/19/2021 22:53	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.327	1.00	10	08/19/2021 22:53	WG1725879
1,1-Dichloroethane	U		0.230	1.00	10	08/19/2021 22:53	WG1725879
1,2-Dichloroethane	U		0.190	1.00	10	08/19/2021 22:53	WG1725879
1,1-Dichloroethene	22.9		0.200	1.00	10	08/19/2021 22:53	WG1725879
cis-1,2-Dichloroethene	6810		27.6	100	1000	08/22/2021 18:48	WG1726824
trans-1,2-Dichloroethene	31.8		0.572	2.00	10	08/19/2021 22:53	WG1725879
1,2-Dichloropropane	U		0.508	2.00	10	08/19/2021 22:53	WG1725879
1,1-Dichloropropene	U		0.280	1.00	10	08/19/2021 22:53	WG1725879
1,3-Dichloropropane	U		0.700	2.00	10	08/19/2021 22:53	WG1725879
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/19/2021 22:53	WG1725879
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/19/2021 22:53	WG1725879
2,2-Dichloropropane	U		0.317	1.00	10	08/19/2021 22:53	WG1725879
Di-isopropyl ether	U		0.140	0.400	10	08/19/2021 22:53	WG1725879
Ethylbenzene	U		0.212	1.00	10	08/19/2021 22:53	WG1725879
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/19/2021 22:53	WG1725879
Isopropylbenzene	U		0.345	1.00	10	08/19/2021 22:53	WG1725879
p-Isopropyltoluene	U		0.932	2.00	10	08/19/2021 22:53	WG1725879
2-Butanone (MEK)	U	J3	5.00	10.0	10	08/19/2021 22:53	WG1725879
Methylene Chloride	U		2.65	10.0	10	08/19/2021 22:53	WG1725879
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/19/2021 22:53	WG1725879
Methyl tert-butyl ether	U		0.118	0.400	10	08/19/2021 22:53	WG1725879
Naphthalene	U		1.24	5.00	10	08/19/2021 22:53	WG1725879
n-Propylbenzene	U		0.472	2.00	10	08/19/2021 22:53	WG1725879
Styrene	U		1.09	5.00	10	08/19/2021 22:53	WG1725879
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/19/2021 22:53	WG1725879
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/19/2021 22:53	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/19/2021 22:53	WG1725879
Tetrachloroethene	6190		28.0	100	1000	08/22/2021 18:48	WG1726824
Toluene	0.590	J	0.500	2.00	10	08/19/2021 22:53	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	08/19/2021 22:53	WG1725879
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/19/2021 22:53	WG1725879
1,1,1-Trichloroethane	U		0.110	1.00	10	08/19/2021 22:53	WG1725879

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Trichloroethene	1250		16.0	40.0	1000	08/22/2021 18:48	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.200	1.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	1.09	U	0.464	2.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	U4	0.460	2.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Vinyl chloride	3500		27.3	100	1000	08/22/2021 18:48	<a href="#">WG1726824</a>
Xylenes, Total	U		1.91	2.60	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Ethyl Ether	U		0.170	1.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Tetrahydrofuran	7.29		0.900	5.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Iodomethane	U		2.42	5.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Allyl chloride	U		5.80	10.0	10	08/19/2021 22:53	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/19/2021 22:53	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/19/2021 22:53	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 18:48	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	86.9			67.0-138		08/19/2021 22:53	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	91.8			67.0-138		08/22/2021 18:48	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/19/2021 22:53	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/22/2021 18:48	<a href="#">WG1726824</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.04		0.548	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Benzene	0.272		0.0160	0.0400	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1-Dichloroethene	17.7		0.0200	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	775		13.8	50.0	500	08/22/2021 19:07	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	42.1		0.0572	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Ethylbenzene	0.0360	J	0.0212	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	J3	0.500	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	0.669	J	0.400	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Tetrachloroethene	0.197		0.0280	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Toluene	0.402		0.0500	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Trichloroethene	0.142		0.0160	0.0400	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Vinyl chloride	2170		13.6	50.0	500	08/22/2021 19:07	<a href="#">WG1726824</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 19:26	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 19:26	<a href="#">WG1725879</a>
(S) Toluene-d8	108			75.0-131		08/19/2021 19:26	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 19:07	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	84.7			67.0-138		08/19/2021 19:26	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	91.8			67.0-138		08/22/2021 19:07	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/19/2021 19:26	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/22/2021 19:07	<a href="#">WG1726824</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	ug/l		ug/l	ug/l			
Acetone	U		13.7	25.0	25	08/19/2021 23:12	WG1725879
Acrylonitrile	U		1.90	12.5	25	08/19/2021 23:12	WG1725879
Benzene	0.575	J	0.400	1.00	25	08/19/2021 23:12	WG1725879
Bromobenzene	U		1.05	12.5	25	08/19/2021 23:12	WG1725879
Bromodichloromethane	U		0.788	2.50	25	08/19/2021 23:12	WG1725879
Bromoform	U		5.98	25.0	25	08/19/2021 23:12	WG1725879
Bromomethane	U		3.70	12.5	25	08/19/2021 23:12	WG1725879
n-Butylbenzene	U		3.83	12.5	25	08/19/2021 23:12	WG1725879
sec-Butylbenzene	U		2.53	12.5	25	08/19/2021 23:12	WG1725879
tert-Butylbenzene	U		1.55	5.00	25	08/19/2021 23:12	WG1725879
Carbon tetrachloride	U		1.08	5.00	25	08/19/2021 23:12	WG1725879
Chlorobenzene	U		0.573	2.50	25	08/19/2021 23:12	WG1725879
Chlorodibromomethane	U		0.450	2.50	25	08/19/2021 23:12	WG1725879
Chloroethane	U		1.08	5.00	25	08/19/2021 23:12	WG1725879
Chloroform	U		0.415	2.50	25	08/19/2021 23:12	WG1725879
Chloromethane	U		1.39	12.5	25	08/19/2021 23:12	WG1725879
2-Chlorotoluene	U		0.920	2.50	25	08/19/2021 23:12	WG1725879
4-Chlorotoluene	U		1.13	5.00	25	08/19/2021 23:12	WG1725879
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/19/2021 23:12	WG1725879
1,2-Dibromoethane	U		0.525	2.50	25	08/19/2021 23:12	WG1725879
Dibromomethane	U		1.00	5.00	25	08/19/2021 23:12	WG1725879
1,2-Dichlorobenzene	U		1.45	5.00	25	08/19/2021 23:12	WG1725879
1,3-Dichlorobenzene	U		1.70	5.00	25	08/19/2021 23:12	WG1725879
1,4-Dichlorobenzene	U		1.97	5.00	25	08/19/2021 23:12	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.818	2.50	25	08/19/2021 23:12	WG1725879
1,1-Dichloroethane	U		0.575	2.50	25	08/19/2021 23:12	WG1725879
1,2-Dichloroethane	U		0.475	2.50	25	08/19/2021 23:12	WG1725879
1,1-Dichloroethene	61.0		0.500	2.50	25	08/19/2021 23:12	WG1725879
cis-1,2-Dichloroethene	26100		69.0	250	2500	08/22/2021 19:26	WG1726824
trans-1,2-Dichloroethene	118		1.43	5.00	25	08/19/2021 23:12	WG1725879
1,2-Dichloropropane	U		1.27	5.00	25	08/19/2021 23:12	WG1725879
1,1-Dichloropropene	U		0.700	2.50	25	08/19/2021 23:12	WG1725879
1,3-Dichloropropane	U		1.75	5.00	25	08/19/2021 23:12	WG1725879
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/19/2021 23:12	WG1725879
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/19/2021 23:12	WG1725879
2,2-Dichloropropane	U		0.793	2.50	25	08/19/2021 23:12	WG1725879
Di-isopropyl ether	U		0.350	1.00	25	08/19/2021 23:12	WG1725879
Ethylbenzene	U		0.530	2.50	25	08/19/2021 23:12	WG1725879
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/19/2021 23:12	WG1725879
Isopropylbenzene	U		0.863	2.50	25	08/19/2021 23:12	WG1725879
p-Isopropyltoluene	3.13	J	2.33	5.00	25	08/19/2021 23:12	WG1725879
2-Butanone (MEK)	U	J3	12.5	25.0	25	08/19/2021 23:12	WG1725879
Methylene Chloride	U		6.63	25.0	25	08/19/2021 23:12	WG1725879
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/19/2021 23:12	WG1725879
Methyl tert-butyl ether	U		0.295	1.00	25	08/19/2021 23:12	WG1725879
Naphthalene	U		3.10	12.5	25	08/19/2021 23:12	WG1725879
n-Propylbenzene	U		1.18	5.00	25	08/19/2021 23:12	WG1725879
Styrene	U		2.73	12.5	25	08/19/2021 23:12	WG1725879
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/19/2021 23:12	WG1725879
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/19/2021 23:12	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/19/2021 23:12	WG1725879
Tetrachloroethene	U		70.0	250	2500	08/22/2021 19:26	WG1726824
Toluene	1.85	J	1.25	5.00	25	08/19/2021 23:12	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.625	12.5	25	08/19/2021 23:12	WG1725879
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/19/2021 23:12	WG1725879
1,1,1-Trichloroethane	U		0.275	2.50	25	08/19/2021 23:12	WG1725879

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.883	2.50	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Trichloroethene	U		40.0	100	2500	08/22/2021 19:26	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.500	2.50	25	08/19/2021 23:12	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		5.10	12.5	25	08/19/2021 23:12	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	3.45	J	1.16	5.00	25	08/19/2021 23:12	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	1.15	5.00	25	08/19/2021 23:12	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Vinyl chloride	9620		68.3	250	2500	08/22/2021 19:26	<a href="#">WG1726824</a>
Xylenes, Total	U		4.78	6.50	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Ethyl Ether	U		0.425	2.50	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Tetrahydrofuran	U		2.25	12.5	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Iodomethane	U		6.05	12.5	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Allyl chloride	U		14.5	25.0	25	08/19/2021 23:12	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/19/2021 23:12	<a href="#">WG1725879</a>
(S) Toluene-d8	107			75.0-131		08/19/2021 23:12	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/22/2021 19:26	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	86.8			67.0-138		08/19/2021 23:12	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	91.4			67.0-138		08/22/2021 19:26	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/19/2021 23:12	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/22/2021 19:26	<a href="#">WG1726824</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	14.4		5.48	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Acrylonitrile	U		0.760	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Benzene	0.230	J	0.160	0.400	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Bromobenzene	U		0.420	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.315	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Bromoform	U		2.39	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Bromomethane	U		1.48	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
n-Butylbenzene	U		1.53	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
sec-Butylbenzene	U		1.01	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.620	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.432	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Chlorobenzene	U		0.229	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.180	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Chloroethane	U		0.432	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Chloroform	U		0.166	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Chloromethane	U		0.556	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.368	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.452	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Dibromomethane	U		0.400	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.327	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.190	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1-Dichloroethene	13.7		0.200	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	2630		27.6	100	1000	08/22/2021 19:45	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	170		0.572	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.508	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.280	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.700	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.317	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.140	0.400	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Ethylbenzene	U		0.212	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.345	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.932	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	J3	5.00	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Methylene Chloride	U		2.65	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.118	0.400	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Naphthalene	U		1.24	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.472	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Styrene	U		1.09	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Tetrachloroethene	U		28.0	100	1000	08/22/2021 19:45	<a href="#">WG1726824</a>
Toluene	U		0.500	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Trichloroethene	U		16.0	40.0	1000	08/22/2021 19:45	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.200	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.460	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Vinyl chloride	8220		27.3	100	1000	08/22/2021 19:45	<a href="#">WG1726824</a>
Xylenes, Total	U		1.91	2.60	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Ethyl Ether	U		0.170	1.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.900	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Iodomethane	U		2.42	5.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Allyl chloride	U		5.80	10.0	10	08/19/2021 23:31	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/19/2021 23:31	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/19/2021 23:31	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 19:45	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	88.9			67.0-138		08/19/2021 23:31	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	90.2			67.0-138		08/22/2021 19:45	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/19/2021 23:31	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/22/2021 19:45	<a href="#">WG1726824</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.77		0.548	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Benzene	0.170		0.0160	0.0400	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1-Dichloroethene	0.965		0.0200	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	858		2.76	10.0	100	08/22/2021 20:04	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	22.7		0.0572	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Ethylbenzene	0.0460	J	0.0212	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Isopropylbenzene	0.0450	J	0.0345	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
2-Butanone (MEK)	1.24	J+ C5 J3	0.500	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Tetrachloroethene	0.0490	J	0.0280	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Toluene	0.809		0.0500	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Trichloroethene	U		1.60	4.00	100	08/22/2021 20:04	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	0.0830	J	0.0464	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Vinyl chloride	737		2.73	10.0	100	08/22/2021 20:04	<a href="#">WG1726824</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 19:45	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 19:45	<a href="#">WG1725879</a>
(S) Toluene-d8	110			75.0-131		08/19/2021 19:45	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/22/2021 20:04	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	87.2			67.0-138		08/19/2021 19:45	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	91.0			67.0-138		08/22/2021 20:04	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/19/2021 19:45	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/22/2021 20:04	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.89		0.548	1.00	1	08/19/2021 20:04	WG1725879
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 20:04	WG1725879
Benzene	0.107		0.0160	0.0400	1	08/19/2021 20:04	WG1725879
Bromobenzene	U		0.0420	0.500	1	08/19/2021 20:04	WG1725879
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 20:04	WG1725879
Bromoform	U		0.239	1.00	1	08/19/2021 20:04	WG1725879
Bromomethane	U		0.148	0.500	1	08/19/2021 20:04	WG1725879
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 20:04	WG1725879
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 20:04	WG1725879
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 20:04	WG1725879
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 20:04	WG1725879
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 20:04	WG1725879
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 20:04	WG1725879
Chloroethane	U		0.0432	0.200	1	08/19/2021 20:04	WG1725879
Chloroform	U		0.0166	0.100	1	08/19/2021 20:04	WG1725879
Chloromethane	U		0.0556	0.500	1	08/19/2021 20:04	WG1725879
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 20:04	WG1725879
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 20:04	WG1725879
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 20:04	WG1725879
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 20:04	WG1725879
Dibromomethane	U		0.0400	0.200	1	08/19/2021 20:04	WG1725879
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 20:04	WG1725879
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 20:04	WG1725879
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 20:04	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 20:04	WG1725879
1,1-Dichloroethane	0.0640	J	0.0230	0.100	1	08/19/2021 20:04	WG1725879
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 20:04	WG1725879
1,1-Dichloroethene	14.1		0.0200	0.100	1	08/19/2021 20:04	WG1725879
cis-1,2-Dichloroethene	1030		2.76	10.0	100	08/22/2021 20:22	WG1726824
trans-1,2-Dichloroethene	5.51		0.0572	0.200	1	08/19/2021 20:04	WG1725879
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 20:04	WG1725879
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 20:04	WG1725879
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 20:04	WG1725879
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 20:04	WG1725879
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 20:04	WG1725879
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 20:04	WG1725879
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 20:04	WG1725879
Ethylbenzene	0.0470	J	0.0212	0.100	1	08/19/2021 20:04	WG1725879
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 20:04	WG1725879
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 20:04	WG1725879
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 20:04	WG1725879
2-Butanone (MEK)	U	JS	0.500	1.00	1	08/19/2021 20:04	WG1725879
Methylene Chloride	U		0.265	1.00	1	08/19/2021 20:04	WG1725879
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 20:04	WG1725879
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 20:04	WG1725879
Naphthalene	U		0.124	0.500	1	08/19/2021 20:04	WG1725879
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 20:04	WG1725879
Styrene	U		0.109	0.500	1	08/19/2021 20:04	WG1725879
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 20:04	WG1725879
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 20:04	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 20:04	WG1725879
Tetrachloroethene	U		0.0280	0.100	1	08/19/2021 20:04	WG1725879
Toluene	0.356		0.0500	0.200	1	08/19/2021 20:04	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 20:04	WG1725879
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 20:04	WG1725879
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 20:04	WG1725879

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Trichloroethene	0.333		0.0160	0.0400	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 20:04	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 20:04	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	0.100	J	0.0464	0.200	1	08/19/2021 20:04	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<del>J4</del>	0.0460	0.200	1	08/19/2021 20:04	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Vinyl chloride	775		2.73	10.0	100	08/22/2021 20:22	<a href="#">WG1726824</a>
Xylenes, Total	0.276		0.191	0.260	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 20:04	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 20:04	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/19/2021 20:04	<a href="#">WG1725879</a>
(S) Toluene-d8	106			75.0-131		08/22/2021 20:22	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	89.3			67.0-138		08/19/2021 20:04	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	88.9			67.0-138		08/22/2021 20:22	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/19/2021 20:04	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/22/2021 20:22	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.30		0.548	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Benzene	0.0920		0.0160	0.0400	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	0.346		0.0276	0.100	1	08/22/2021 16:17	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Ethylbenzene	0.0950	J	0.0212	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	<del>J3</del>	0.500	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Tetrachloroethene	U		0.0280	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Toluene	0.777		0.0500	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Trichloroethene	U		0.0160	0.0400	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	0.0860	J	0.0464	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Vinyl chloride	0.223		0.0273	0.100	1	08/22/2021 16:17	<a href="#">WG1726824</a>
Xylenes, Total	0.579		0.191	0.260	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Tetrahydrofuran	0.436	J	0.0900	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 20:22	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 20:22	<a href="#">WG1725879</a>
(S) Toluene-d8	103			75.0-131		08/19/2021 20:22	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/22/2021 16:17	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	89.9			67.0-138		08/19/2021 20:22	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	93.1			67.0-138		08/22/2021 16:17	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/19/2021 20:22	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/22/2021 16:17	<a href="#">WG1726824</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

8  
Al

9  
Sc

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.37		0.548	1.00	1	08/19/2021 20:41	WG1725879
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 20:41	WG1725879
Benzene	0.0360	J	0.0160	0.0400	1	08/19/2021 20:41	WG1725879
Bromobenzene	U		0.0420	0.500	1	08/19/2021 20:41	WG1725879
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 20:41	WG1725879
Bromoform	U		0.239	1.00	1	08/19/2021 20:41	WG1725879
Bromomethane	U		0.148	0.500	1	08/19/2021 20:41	WG1725879
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 20:41	WG1725879
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 20:41	WG1725879
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 20:41	WG1725879
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 20:41	WG1725879
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 20:41	WG1725879
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 20:41	WG1725879
Chloroethane	1.58		0.0432	0.200	1	08/19/2021 20:41	WG1725879
Chloroform	U		0.0166	0.100	1	08/19/2021 20:41	WG1725879
Chloromethane	U		0.0556	0.500	1	08/19/2021 20:41	WG1725879
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 20:41	WG1725879
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 20:41	WG1725879
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 20:41	WG1725879
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 20:41	WG1725879
Dibromomethane	U		0.0400	0.200	1	08/19/2021 20:41	WG1725879
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 20:41	WG1725879
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 20:41	WG1725879
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 20:41	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 20:41	WG1725879
1,1-Dichloroethane	0.0810	J	0.0230	0.100	1	08/19/2021 20:41	WG1725879
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 20:41	WG1725879
1,1-Dichloroethene	22.1		0.0200	0.100	1	08/19/2021 20:41	WG1725879
cis-1,2-Dichloroethene	440		1.38	5.00	50	08/22/2021 20:41	WG1726824
trans-1,2-Dichloroethene	14.3		0.0572	0.200	1	08/19/2021 20:41	WG1725879
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 20:41	WG1725879
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 20:41	WG1725879
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 20:41	WG1725879
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 20:41	WG1725879
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 20:41	WG1725879
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 20:41	WG1725879
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 20:41	WG1725879
Ethylbenzene	0.0990	J	0.0212	0.100	1	08/19/2021 20:41	WG1725879
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 20:41	WG1725879
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 20:41	WG1725879
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 20:41	WG1725879
2-Butanone (MEK)	U	J3	0.500	1.00	1	08/19/2021 20:41	WG1725879
Methylene Chloride	U		0.265	1.00	1	08/19/2021 20:41	WG1725879
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 20:41	WG1725879
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 20:41	WG1725879
Naphthalene	U		0.124	0.500	1	08/19/2021 20:41	WG1725879
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 20:41	WG1725879
Styrene	0.110	J	0.109	0.500	1	08/19/2021 20:41	WG1725879
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 20:41	WG1725879
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 20:41	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 20:41	WG1725879
Tetrachloroethene	203		1.40	5.00	50	08/22/2021 20:41	WG1726824
Toluene	0.378		0.0500	0.200	1	08/19/2021 20:41	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 20:41	WG1725879
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 20:41	WG1725879
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 20:41	WG1725879

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Trichloroethene	576		0.800	2.00	50	08/22/2021 20:41	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 20:41	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 20:41	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	0.141	J	0.0464	0.200	1	08/19/2021 20:41	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 20:41	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Vinyl chloride	33.9		0.0273	0.100	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Xylenes, Total	0.504		0.191	0.260	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 20:41	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 20:41	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/19/2021 20:41	<a href="#">WG1725879</a>
(S) Toluene-d8	106			75.0-131		08/22/2021 20:41	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	89.6			67.0-138		08/19/2021 20:41	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	88.3			67.0-138		08/22/2021 20:41	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/19/2021 20:41	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/22/2021 20:41	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.24		0.548	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Benzene	0.0430		0.0160	0.0400	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	0.732		0.0276	0.100	1	08/22/2021 16:36	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	0.0650	J	0.0572	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Ethylbenzene	0.0500	J	0.0212	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	J3	0.500	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Tetrachloroethene	U		0.0280	0.100	1	08/22/2021 16:36	<a href="#">WG1726824</a>
Toluene	0.268		0.0500	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Trichloroethene	0.0390	<u>J</u>	0.0160	0.0400	1	08/22/2021 16:36	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<u>J4</u>	0.0460	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Vinyl chloride	0.531		0.0273	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Xylenes, Total	0.274		0.191	0.260	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 21:00	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 21:00	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/19/2021 21:00	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 16:36	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	88.8			67.0-138		08/19/2021 21:00	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	92.9			67.0-138		08/22/2021 16:36	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/19/2021 21:00	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/22/2021 16:36	<a href="#">WG1726824</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.18		0.548	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Benzene	0.0330	J	0.0160	0.0400	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Chloroethane	1.07		0.0432	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	0.322		0.0276	0.100	1	08/22/2021 16:55	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Ethylbenzene	0.0610	J	0.0212	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	JS	0.500	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Styrene	0.126	J	0.109	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Tetrachloroethene	U		0.0280	0.100	1	08/22/2021 16:55	<a href="#">WG1726824</a>
Toluene	0.337		0.0500	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Trichloroethene	U		0.0160	0.0400	1	08/22/2021 16:55	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<del>C4</del>	0.0460	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Vinyl chloride	1.17		0.0273	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Xylenes, Total	0.375		0.191	0.260	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 21:19	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 21:19	<a href="#">WG1725879</a>
(S) Toluene-d8	103			75.0-131		08/19/2021 21:19	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 16:55	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	88.9			67.0-138		08/19/2021 21:19	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	92.0			67.0-138		08/22/2021 16:55	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/19/2021 21:19	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/22/2021 16:55	<a href="#">WG1726824</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	5.38		0.548	1.00	1	08/19/2021 21:38	WG1725879
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 21:38	WG1725879
Benzene	0.116		0.0160	0.0400	1	08/19/2021 21:38	WG1725879
Bromobenzene	U		0.0420	0.500	1	08/19/2021 21:38	WG1725879
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 21:38	WG1725879
Bromoform	U		0.239	1.00	1	08/19/2021 21:38	WG1725879
Bromomethane	U		0.148	0.500	1	08/19/2021 21:38	WG1725879
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 21:38	WG1725879
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 21:38	WG1725879
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 21:38	WG1725879
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 21:38	WG1725879
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 21:38	WG1725879
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 21:38	WG1725879
Chloroethane	U		0.0432	0.200	1	08/19/2021 21:38	WG1725879
Chloroform	U		0.0166	0.100	1	08/19/2021 21:38	WG1725879
Chloromethane	U		0.0556	0.500	1	08/19/2021 21:38	WG1725879
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 21:38	WG1725879
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 21:38	WG1725879
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 21:38	WG1725879
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 21:38	WG1725879
Dibromomethane	U		0.0400	0.200	1	08/19/2021 21:38	WG1725879
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 21:38	WG1725879
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 21:38	WG1725879
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 21:38	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 21:38	WG1725879
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 21:38	WG1725879
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 21:38	WG1725879
1,1-Dichloroethene	12.2		0.0200	0.100	1	08/19/2021 21:38	WG1725879
cis-1,2-Dichloroethene	5280		6.90	25.0	250	08/22/2021 21:00	WG1726824
trans-1,2-Dichloroethene	49.1		0.0572	0.200	1	08/19/2021 21:38	WG1725879
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 21:38	WG1725879
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 21:38	WG1725879
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 21:38	WG1725879
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 21:38	WG1725879
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 21:38	WG1725879
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 21:38	WG1725879
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 21:38	WG1725879
Ethylbenzene	U		0.0212	0.100	1	08/19/2021 21:38	WG1725879
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 21:38	WG1725879
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 21:38	WG1725879
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 21:38	WG1725879
2-Butanone (MEK)	U	J3	0.500	1.00	1	08/19/2021 21:38	WG1725879
Methylene Chloride	U		0.265	1.00	1	08/19/2021 21:38	WG1725879
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 21:38	WG1725879
Methyl tert-butyl ether	0.0210	J	0.0118	0.0400	1	08/19/2021 21:38	WG1725879
Naphthalene	U		0.124	0.500	1	08/19/2021 21:38	WG1725879
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 21:38	WG1725879
Styrene	U		0.109	0.500	1	08/19/2021 21:38	WG1725879
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 21:38	WG1725879
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 21:38	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 21:38	WG1725879
Tetrachloroethene	0.0880	J	0.0280	0.100	1	08/19/2021 21:38	WG1725879
Toluene	0.0870	J	0.0500	0.200	1	08/19/2021 21:38	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 21:38	WG1725879
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 21:38	WG1725879
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 21:38	WG1725879

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/22/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Trichloroethene	U		4.00	10.0	250	08/22/2021 21:00	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 21:38	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 21:38	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 21:38	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 21:38	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Vinyl chloride	1600		6.82	25.0	250	08/22/2021 21:00	<a href="#">WG1726824</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 21:38	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 21:38	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/19/2021 21:38	<a href="#">WG1725879</a>
(S) Toluene-d8	106			75.0-131		08/22/2021 21:00	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	88.4			67.0-138		08/19/2021 21:38	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	87.9			67.0-138		08/22/2021 21:00	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/19/2021 21:38	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/22/2021 21:00	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.62		0.548	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Benzene	0.100		0.0160	0.0400	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	0.0770	J	0.0276	0.100	1	08/22/2021 17:14	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	0.440		0.0572	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	3	0.500	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Tetrachloroethene	0.0490	J	0.0280	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Toluene	0.0920	J	0.0500	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Trichloroethene	U		0.0160	0.0400	1	08/22/2021 17:14	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<del>J4</del>	0.0460	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Vinyl chloride	1.32		0.0273	0.100	1	08/22/2021 17:14	<a href="#">WG1726824</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 21:57	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 21:57	<a href="#">WG1725879</a>
(S) Toluene-d8	103			75.0-131		08/19/2021 21:57	<a href="#">WG1725879</a>
(S) Toluene-d8	105			75.0-131		08/22/2021 17:14	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	87.9			67.0-138		08/19/2021 21:57	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	92.2			67.0-138		08/22/2021 17:14	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/19/2021 21:57	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/22/2021 17:14	<a href="#">WG1726824</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/22/2021

## MEMORANDUM

**TO:** Project File **DATE:** September 28, 2021

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 1413.001.05.602 (90%) and 1413.001.02.501G (10%)

**TASK:** EIM Data Validation Level EPA2A for 3rd Quarter Monitoring 2021 – Groundwater Samples – Group 2

**LAB:** Pace Sample Delivery Groups (SDGs): L1390515, L1390874, L1392158, L1393021, L1393548, and L1394959

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Forty-one (41) groundwater samples (including three field duplicates), two equipment blanks, and two trip blanks were collected as part of the 3rd Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, Seattle, Washington in August 11-13, 16, 17, 19, 20, and 23 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 2 analytical results are reported in SDGs L1390515, L1390874, L1392158, L1393021, L1393548, and L1394959. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund

Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussion:

- SDG L1393515: Sample MW-189-081121 was included on the chain of custody but associated sample volume (vials) for VOCs and dissolved gases was not provided. The sample was re-collected on August 20<sup>th</sup> and resubmitted for VOCs and dissolved gases as sample MW-189-082021 (associated with SDG L1393548).

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information with the following discussion:

- SDG L1393548: Case narrative notes indicate that pH for sample MW-143-082021 was received outside of USEPA 8260D method required limits. Refer to the Holding Time section for additional action.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met with the following exceptions:

- SDG L1393548: Four samples (MW-143-082021, MW-189-082021, MW-153-082021, and MW-147-082021) were analyzed for cis-1,2-dichloroethene and/or vinyl chloride three to four days past the fourteen-day recommended holding time. These compounds were reanalyzed at dilution due to elevated concentrations and/or to confirm initial results. cis-1,2-Dichloroethene and/or vinyl chloride results are laboratory qualified (Q) to indicate that concentrations should be considered minimum values due to the holding time exceedance. **Vinyl chloride results for all four samples are estimated and qualified with low bias (J-). cis-1,2-Dichloroethene results for MW-143-082021, MW-189-082021, and MW-153-082021 are qualified with low bias (J-).**
- SDG L1393548: Case narrative notes indicate that pH for sample MW-143-082021 was received outside of USEPA 8260D method required limits. Recommended holding time for an unpreserved sample (pH < 2) is seven days instead of fourteen days. **Sample**

**MW-143-082021 was analyzed four days past the seven day hold and all results are estimated (J/UJ) due to the holding time exceedance.**

*NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

*USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), nitrate (48 hours), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

**Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that

percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+) with one exception:**

- SDG L1393548: **Sample MW-143-082021 acetone was analyzed four days past hold which may have introduced an unknown bias. The acetone result is estimated and qualified (J) without bias.**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1390515 - Analytical Batch WG1725881: A low level of cis-1,2-dichloroethene is detected below the RDL. No action is needed for the associated samples since cis-1,2-dichloroethene is either not detected or is detected above the RDL.
- SDG L1390515 - Analytical Batch WG1726824: A low level of 2-butanone (MEK) was detected at a low level below the RDL. No action is needed for the associated samples since MEK is not detected.
- SDG L1390874 - Analytical Batch WG1725881: A low level of cis-1,2-dichloroethene is detected below the RDL. **A low level of cis-1,2-dichloroethene is detected in sample MW-148-081321 and is qualified as not detected (U) due to method blank contamination.** No action is needed for the remaining samples since cis-1,2-dichloroethene is detected above the RDL.
- SDG L1392158 - Analytical Batch WG1725881: A low level of cis-1,2-dichloroethene is detected below the RDL. **A low level of cis-1,2-dichloroethene is detected in sample MW112-081721 and is qualified as not detected (U) due to method or equipment blank contamination.** No action is needed for the associated samples since cis-1,2-dichloroethene is either not detected or is detected above the RDL.

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batches per method requirement. The target analyte (gasoline) is not detected in the method blank.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

#### *USEPA Method 6020B and General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no

action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1386490	WG1724430	9060A	TOC	280	J	1000	µg/L	NO
L1386490	WG1724841	9060A	TOC	562	J	1000	µg/L	NO
L1386491	WG1726723	9060A	TOC	397	J	1000	µg/L	NO
L1393548	WG1729133	9056A	TOC	160	J	1000	µg/L	NO
L1393021	WG1728343	9060A	TOC	235	J	1000	µg/L	NO
L1390859	WG1729958	9060A	TOC	207	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

### **Trip Blank Results**

*USEPA Method 8260D and NWTPH-Gx:*

Two trip blanks (TB-082021 and TB-082321) were collected and analyzed for VOCs and gasoline or VOCs only. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1390859: Low levels of acetone and toluene are detected in the trip blank (TB-082321). Actions are as follows:
  - Acetone was detected in the trip blank at 1.26 ug/L. Associated acetone detections are above the RDL (1.00 ug/L) in multiple samples however acetone was also detected at in the equipment blank at 2.80 ug/L. Refer to equipment blank discussion for additional details and actions.
  - Toluene was detected in the trip blank at 0.0890 ug/L and below the RDL 0.200 ug/L. Associated toluene detections are above the RDL (1.00 ug/L). No action is taken on this basis since detections are above the RDL or toluene is not detected in the associated samples. Refer to equipment blank discussion for additional details and actions.

### **Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

Two equipment blanks (EQ-081721 and EQ-082321) were collected. Details are as follows:

- SDG L1392158: Equipment blank (EQ-081721) is associated with all samples collected from the bladder pump on August 17, 2021. Specifically, the equipment blank is associated with samples MW105-081721, MW-146-081721, MW112-081721, MW-154-081721, and MW-158A-081721. Low levels of TOC and manganese are detected in the equipment blank. No action is taken for TOC and manganese detections since these analytes are either not detected in the associated samples or sample detections are far

greater than detection in the equipment blank. Low levels of acetone, benzene, cis-1,2-dichloroethene, 2-butanone (MEK), tetrachloroethene, and toluene are detected in the equipment blank. No action is needed for 2-butanone (MEK) as all sample detections are above the RDL or are not detected. Actions for remaining compounds are as follows:

- Acetone was detected above the RDL of 1.00 µg/L at 5.46 µg/L. **Associated acetone results for five samples (MW105-081721, MW-146-081721, MW112-081721, MW-154-081721, and MW-158A-081721) are detected above the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.**
- Benzene is detected above the RDL of 0.0400 µg/L at 0.141 µg/L. **Associated benzene results for samples MW105-081721, MW-146-081721, and MW-154-081721 are detected below the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.**
- cis-1,2-Dichloroethene is detected below the RDL of 0.100 µg/L at 0.0460 µg/L. **Associated cis-1,2-dichloroethene result for sample MW112-081721 is detected below the RDL. This result is qualified as not detected (U) due to equipment or method blank contamination.**
- Tetrachloroethene is detected below the RDL of 0.100 µg/L at 0.0550 µg/L. **Associated tetrachloroethene result for sample MW105-081721 is detected below the RDL and the result is qualified as not detected (U) due to equipment blank contamination.**
- Toluene is detected above the RDL of 0.0500 µg/L at 0.241 µg/L. **Associated toluene results for samples MW-146-081721 and MW-154-081721 are detected below the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.**
- SDG L1394959: Equipment blank (EQ-082321) is associated with all samples collected from the bladder pump on August 23, 2021. Low levels of TOC, iron, and manganese are detected in the equipment blank. No action is taken for TOC, iron, and manganese detections since these analytes are either not detected in the associated samples or sample detections are far greater than detection in the equipment blank. Low levels of acetone, bromodichloromethane, chlorodibromomethane, chloroform, and ethylbenzene are detected in the equipment blank. No action is needed for bromodichloromethane, chlorodibromomethane, and chloroform as all sample detections are above the RDL or are not detected. Actions for acetone and ethylbenzene are as follows:
  - Acetone is detected above the RDL of 1.00 ug/L at 2.80 ug/L. **Associated acetone results for samples MW-958-082321, MW-145R-082321, MW-161-082321, MW-160-082321, and MW104-082321 are above the RDL and below**



**the established action level. The associated acetone results are qualified as not detected (U) due to equipment blank contamination.**

- Ethylbenzene is detected below the RDL of 0.100 ug/L at 0.0460 ug/L. **Associated ethylbenzene results for samples MW-958-082321, MW-145R-082321, MW-160-082321, and MW104-082321 below the RDL and below the established action level and these results are qualified as not detected (U) due to equipment blank contamination.**

### **Field Duplicate Analyses**

Three field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1390515: Sample MW103-081221 and field duplicate sample MW-956-081221
- SDG L1393548: Sample MW-301-082021 and field duplicate sample MW-957-082021
- SDG L1394959: Sample MW-145R-082321 and field duplicate sample MW-958-082321

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pair with the following exceptions:

- SDG L1390515: Sample MW103-081221 and field duplicate sample MW-956-081221. Ethene results are not comparable and exceed RPD criteria. **Sample MW103-081221 and MW-956-081221 ethene results are estimated and qualified (J).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

#### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate results (SDG L1317227) for precision data.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

#### *General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### Surrogate Recoveries

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

#### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, and the blanks are within the laboratory surrogate control limits.

### Laboratory Control Samples

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussions:

- SDG L1390515 - Analytical batch WG1725879: LCS/LCSD RPD recovery for 2-butanone (MEK) is greater than laboratory acceptance criteria (20%) and is laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria. LCS/LCSD % recoveries for 1,2,3-trimethylbenzene are recovered high and laboratory qualified (J4). No action is needed since 1,2,3-trimethylbenzene is not detected in the associated samples.
- SDG L1390515 - Analytical batch WG1725881: LCSD % recovery for acetone is recovered high and laboratory qualified (J4). **Associated positive detected acetone results (samples MW-336-081121, MW102-081121, MW-956-081221, MW-326-081221, MW-325-081221, MW103-081221, and FMW-137-081221) are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion on laboratory qualifier (C5).
- SDG L1390874 - Analytical batch WG1725881: LCSD % recovery for acetone is recovered high and laboratory qualified (J4). **All associated positive detected acetone results are estimated and qualified (J).** Refer to Initial and Continuing Calibration section for additional discussion on laboratory qualifier (C5).
- SDG L1392158 - Analytical batch WG1725881: LCSD % recovery for acetone is recovered high and laboratory qualified (J4). **Associated acetone detections are qualified as not detected (U) due to equipment blank contamination.** Refer to Field, Rinsate, or Equipment Blank Results section for additional information.

- SDGs L1393548 and L1394959 - Analytical batch WG1732068: LCS/LCSD RPD recovery for trichlorofluoromethane is greater than laboratory acceptance criteria (20%) and is laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria.

*NWTPH-Gx Method:*

LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. For precision data refer to field duplicate result.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were performed on the analytical batch associated with SDGs L1393548 and L1394959. For remaining SDGs refer to LCS and field duplicate results for accuracy and precision data. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1393548 and L1394959 – Analytical Batch WG1732068: MS/MSD RPD recovery for acetone is greater than laboratory acceptance criteria (20%) and is laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries for these compounds are within laboratory acceptance criteria.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to LCS and field duplicate results for accuracy and precision data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD methane analyses was performed on the analytical batches associated with SDGs L1390874, L1394959, and L1394959. For remaining SDGs refer to LCS, laboratory duplicates, and field duplicate results for accuracy and precision data. The MS/MSD % Rs and RPD are acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDG L1390874 – Analytical Batch WG1725506: MS/MSD analyses for methane was performed on a non-client sample within the analytical batch. Matrix spike recoveries for

methane are not recovered due to high concentrations of methane in the sample compared to the spike amount. No action is taken other than to note that the spike analyses were performed on a non-client sample.

- SDGs L1394959, and L1394959 - Analytical Batch WG1731663: MS/MSD analyses for methane, ethane, and ethene were performed on two non-client samples within the analytical batch. Matrix spike recoveries for methane and/or ethane, and ethene are outside of acceptance criteria due to either high concentrations of target compound (methane) or due to matrix interference (ethane and ethene). No action is taken other than to note that the spike analyses were performed on non-client samples.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1393548: Matrix spike analysis was performed on a non-client sample within the analytical batch. Manganese MS/MSD recoveries are outside of criteria. No action is taken since sample concentration is greater than 4X the spike concentration.
- SDGs L1393548: Matrix spike analysis was performed on client sample MW104-082321. Manganese MS/MSD recoveries are outside of criteria. No action is taken since sample concentration is greater than 4X the spike concentration.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS, field duplicate, or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- Multiple SDGs: Matrix spikes were performed on non-client samples. Anion spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. No action is taken for associated non-client samples within the analytical batch.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10300		594	5000	1	08/18/2021 02:09	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5850		102	1000	1	08/17/2021 22:52	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

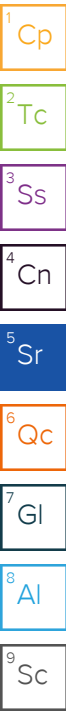
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4840		28.1	100	1	08/19/2021 00:04	<a href="#">WG1724276</a>
Manganese	736		0.704	5.00	1	08/19/2021 00:04	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4540		0.287	0.678	1	08/17/2021 13:39	<a href="#">WG1724320</a>
Ethane	U		0.296	1.29	1	08/17/2021 13:39	<a href="#">WG1724320</a>
Ethene	U		0.422	1.27	1	08/17/2021 13:39	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.15		0.548	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Benzene	U		0.0160	0.0400	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>



JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	<u>J3</u>	0.500	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Tetrachloroethene	U		0.0280	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Toluene	U		0.0500	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	UJ <u>C4</u>	0.0250	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Trichloroethene	U		0.0160	0.0400	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<u>J4</u>	0.0460	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Vinyl chloride	U		0.0273	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 17:51	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 17:51	<a href="#">WG1725879</a>
(S) Toluene-d8	107			75.0-131		08/19/2021 17:51	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	89.6			67.0-138		08/19/2021 17:51	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/19/2021 17:51	<a href="#">WG1725879</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	67500		594	5000	1	08/18/2021 02:21	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6490		102	1000	1	08/17/2021 23:22	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6870		28.1	100	1	08/18/2021 23:50	<a href="#">WG1724276</a>
Manganese	567		0.704	5.00	1	08/18/2021 23:50	<a href="#">WG1724276</a>

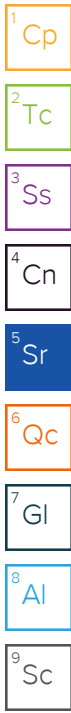
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4220		0.287	0.678	1	08/17/2021 13:43	<a href="#">WG1724320</a>
Ethane	61.1		0.296	1.29	1	08/17/2021 13:43	<a href="#">WG1724320</a>
Ethene	U		0.422	1.27	1	08/17/2021 13:43	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Acrylonitrile	U		1.90	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Benzene	3.38		0.400	1.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Bromobenzene	U		1.05	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Bromodichloromethane	U		0.788	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Bromoform	U		5.98	25.0	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Bromomethane	U		3.70	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
n-Butylbenzene	U		3.83	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
sec-Butylbenzene	U		2.53	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
tert-Butylbenzene	U		1.55	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Carbon tetrachloride	U		1.08	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Chlorobenzene	U		0.573	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Chlorodibromomethane	U		0.450	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Chloroethane	U		1.08	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Chloroform	U		0.415	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Chloromethane	U		1.39	12.5	25	08/22/2021 17:51	<a href="#">WG1726824</a>
2-Chlorotoluene	U		0.920	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
4-Chlorotoluene	U		1.13	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,2-Dibromoethane	U		0.525	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Dibromomethane	U		1.00	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
Dichlorodifluoromethane	U		0.818	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,1-Dichloroethane	U		0.575	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,2-Dichloroethane	U		0.475	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,1-Dichloroethene	4.90		0.500	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
cis-1,2-Dichloroethene	2180		0.690	2.50	25	08/22/2021 17:51	<a href="#">WG1726824</a>
trans-1,2-Dichloroethene	8.75		1.43	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>
1,2-Dichloropropane	U		1.27	5.00	25	08/22/2021 17:51	<a href="#">WG1726824</a>

JC 9/28/21





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.700	2.50	25	08/22/2021 17:51	WG1726824	
1,3-Dichloropropane	U		1.75	5.00	25	08/22/2021 17:51	WG1726824	
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/22/2021 17:51	WG1726824	
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/22/2021 17:51	WG1726824	
2,2-Dichloropropane	U		0.793	2.50	25	08/22/2021 17:51	WG1726824	
Di-isopropyl ether	0.925	U	0.350	1.00	25	08/22/2021 17:51	WG1726824	
Ethylbenzene	U		0.530	2.50	25	08/22/2021 17:51	WG1726824	
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/22/2021 17:51	WG1726824	
Isopropylbenzene	U		0.863	2.50	25	08/22/2021 17:51	WG1726824	
p-Isopropyltoluene	U		2.33	5.00	25	08/22/2021 17:51	WG1726824	
2-Butanone (MEK)	U		12.5	25.0	25	08/22/2021 17:51	WG1726824	
Methylene Chloride	U		6.63	25.0	25	08/22/2021 17:51	WG1726824	
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/22/2021 17:51	WG1726824	
Methyl tert-butyl ether	U		0.295	1.00	25	08/22/2021 17:51	WG1726824	
Naphthalene	U		3.10	12.5	25	08/22/2021 17:51	WG1726824	
n-Propylbenzene	U		1.18	5.00	25	08/22/2021 17:51	WG1726824	
Styrene	U		2.73	12.5	25	08/22/2021 17:51	WG1726824	
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/22/2021 17:51	WG1726824	
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/22/2021 17:51	WG1726824	
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/22/2021 17:51	WG1726824	
Tetrachloroethene	87.0		0.700	2.50	25	08/22/2021 17:51	WG1726824	
Toluene	U		1.25	5.00	25	08/22/2021 17:51	WG1726824	
1,2,3-Trichlorobenzene	U	UJ	C4	0.625	12.5	25	08/22/2021 17:51	WG1726824
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/22/2021 17:51	WG1726824	
1,1,1-Trichloroethane	U		0.275	2.50	25	08/22/2021 17:51	WG1726824	
1,1,2-Trichloroethane	U		0.883	2.50	25	08/22/2021 17:51	WG1726824	
Trichloroethene	617		0.400	1.00	25	08/22/2021 17:51	WG1726824	
Trichlorofluoromethane	U		0.500	2.50	25	08/22/2021 17:51	WG1726824	
1,2,3-Trichloropropane	U		5.10	12.5	25	08/22/2021 17:51	WG1726824	
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/22/2021 17:51	WG1726824	
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/22/2021 17:51	WG1726824	
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/22/2021 17:51	WG1726824	
Vinyl chloride	8.65		0.682	2.50	25	08/22/2021 17:51	WG1726824	
Xylenes, Total	U		4.78	6.50	25	08/22/2021 17:51	WG1726824	
Ethyl Ether	0.950	U	0.425	2.50	25	08/22/2021 17:51	WG1726824	
Tetrahydrofuran	U		2.25	12.5	25	08/22/2021 17:51	WG1726824	
Iodomethane	U		6.05	12.5	25	08/22/2021 17:51	WG1726824	
Allyl chloride	U		14.5	25.0	25	08/22/2021 17:51	WG1726824	
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/22/2021 17:51	WG1726824	
(S) Toluene-d8	103			75.0-131		08/22/2021 17:51	WG1726824	
(S) 4-Bromofluorobenzene	91.4			67.0-138		08/22/2021 17:51	WG1726824	
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/22/2021 17:51	WG1726824	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	162000		2970	25000	5	08/18/2021 04:45	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8750		102	1000	1	08/17/2021 23:42	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

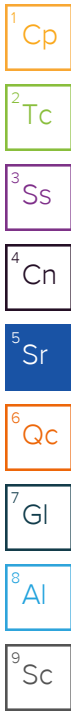
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7600		28.1	100	1	08/19/2021 00:08	<a href="#">WG1724276</a>
Manganese	1770		0.704	5.00	1	08/19/2021 00:08	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	743		0.287	0.678	1	08/17/2021 13:49	<a href="#">WG1724320</a>
Ethane	U		0.296	1.29	1	08/17/2021 13:49	<a href="#">WG1724320</a>
Ethene	U		0.422	1.27	1	08/17/2021 13:49	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.76		0.548	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Benzene	U		0.0160	0.0400	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	0.352		0.0276	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Di-isopropyl ether	0.0580		0.0140	0.0400	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
2-Butanone (MEK)	U	<del>J3</del>	0.500	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Methyl tert-butyl ether	0.0420		0.0118	0.0400	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Naphthalene	U		0.124	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Styrene	U		0.109	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Tetrachloroethene	0.0630	<u>J</u>	0.0280	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Toluene	U		0.0500	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Trichloroethene	0.0650		0.0160	0.0400	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	<del>J4</del>	0.0460	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Vinyl chloride	1.46		0.0273	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Ethyl Ether	0.243		0.0170	0.100	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 18:10	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 18:10	<a href="#">WG1725879</a>
(S) Toluene-d8	106			75.0-131		08/19/2021 18:10	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	89.4			67.0-138		08/19/2021 18:10	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/19/2021 18:10	<a href="#">WG1725879</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	43700		594	5000	1	08/18/2021 02:44	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3640		102	1000	1	08/17/2021 23:56	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2260		28.1	100	1	08/19/2021 00:11	<a href="#">WG1724276</a>
Manganese	993		0.704	5.00	1	08/19/2021 00:11	<a href="#">WG1724276</a>

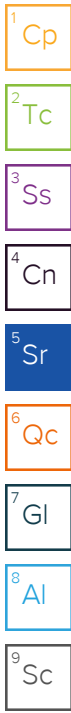
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	701		0.287	0.678	1	08/17/2021 13:53	<a href="#">WG1724320</a>
Ethane	U		0.296	1.29	1	08/17/2021 13:53	<a href="#">WG1724320</a>
Ethene	31.4		0.422	1.27	1	08/17/2021 13:53	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.34		0.548	1.00	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Benzene	0.0310	J	0.0160	0.0400	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Bromoform	U		0.239	1.00	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Bromomethane	U		0.148	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Chloroethane	U		0.0432	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Chloroform	U		0.0166	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Chloromethane	U		0.0556	0.500	1	08/19/2021 18:29	<a href="#">WG1725879</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
cis-1,2-Dichloroethene	6.60		0.0276	0.100	1	08/19/2021 18:29	<a href="#">WG1725879</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 18:29	<a href="#">WG1725879</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 18:29	WG1725879
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 18:29	WG1725879
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 18:29	WG1725879
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 18:29	WG1725879
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 18:29	WG1725879
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2021 18:29	WG1725879
Ethylbenzene	0.122		0.0212	0.100	1	08/19/2021 18:29	WG1725879
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 18:29	WG1725879
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 18:29	WG1725879
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 18:29	WG1725879
2-Butanone (MEK)	U	<del>J3</del>	0.500	1.00	1	08/19/2021 18:29	WG1725879
Methylene Chloride	U		0.265	1.00	1	08/19/2021 18:29	WG1725879
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 18:29	WG1725879
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 18:29	WG1725879
Naphthalene	U		0.124	0.500	1	08/19/2021 18:29	WG1725879
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 18:29	WG1725879
Styrene	U		0.109	0.500	1	08/19/2021 18:29	WG1725879
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 18:29	WG1725879
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 18:29	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 18:29	WG1725879
Tetrachloroethene	U		0.0280	0.100	1	08/19/2021 18:29	WG1725879
Toluene	0.834		0.0500	0.200	1	08/19/2021 18:29	WG1725879
1,2,3-Trichlorobenzene	U	UJ <u>C4</u>	0.0250	0.500	1	08/19/2021 18:29	WG1725879
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 18:29	WG1725879
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 18:29	WG1725879
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 18:29	WG1725879
Trichloroethene	U		0.0160	0.0400	1	08/19/2021 18:29	WG1725879
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	08/19/2021 18:29	WG1725879
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 18:29	WG1725879
1,2,4-Trimethylbenzene	0.0980	<u>J</u>	0.0464	0.200	1	08/19/2021 18:29	WG1725879
1,2,3-Trimethylbenzene	U	<del>J4</del>	0.0460	0.200	1	08/19/2021 18:29	WG1725879
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 18:29	WG1725879
Vinyl chloride	34.5		0.0273	0.100	1	08/19/2021 18:29	WG1725879
Xylenes, Total	0.669		0.191	0.260	1	08/19/2021 18:29	WG1725879
Ethyl Ether	U		0.0170	0.100	1	08/19/2021 18:29	WG1725879
Tetrahydrofuran	31.8		0.0900	0.500	1	08/19/2021 18:29	WG1725879
Iodomethane	U		0.242	0.500	1	08/19/2021 18:29	WG1725879
Allyl chloride	U		0.580	1.00	1	08/19/2021 18:29	WG1725879
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 18:29	WG1725879
(S) Toluene-d8	110			75.0-131		08/19/2021 18:29	WG1725879
(S) 4-Bromofluorobenzene	86.9			67.0-138		08/19/2021 18:29	WG1725879
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/19/2021 18:29	WG1725879

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.07		0.548	1.00	1	08/19/2021 18:48	WG1725879
Acrylonitrile	U		0.0760	0.500	1	08/19/2021 18:48	WG1725879
Benzene	1.56		0.0160	0.0400	1	08/19/2021 18:48	WG1725879
Bromobenzene	U		0.0420	0.500	1	08/19/2021 18:48	WG1725879
Bromodichloromethane	U		0.0315	0.100	1	08/19/2021 18:48	WG1725879
Bromoform	U		0.239	1.00	1	08/19/2021 18:48	WG1725879
Bromomethane	U		0.148	0.500	1	08/19/2021 18:48	WG1725879
n-Butylbenzene	U		0.153	0.500	1	08/19/2021 18:48	WG1725879
sec-Butylbenzene	U		0.101	0.500	1	08/19/2021 18:48	WG1725879
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2021 18:48	WG1725879
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2021 18:48	WG1725879
Chlorobenzene	U		0.0229	0.100	1	08/19/2021 18:48	WG1725879
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2021 18:48	WG1725879
Chloroethane	U		0.0432	0.200	1	08/19/2021 18:48	WG1725879
Chloroform	U		0.0166	0.100	1	08/19/2021 18:48	WG1725879
Chloromethane	U		0.0556	0.500	1	08/19/2021 18:48	WG1725879
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2021 18:48	WG1725879
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2021 18:48	WG1725879
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2021 18:48	WG1725879
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2021 18:48	WG1725879
Dibromomethane	U		0.0400	0.200	1	08/19/2021 18:48	WG1725879
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2021 18:48	WG1725879
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2021 18:48	WG1725879
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2021 18:48	WG1725879
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2021 18:48	WG1725879
1,1-Dichloroethane	0.0710	J	0.0230	0.100	1	08/19/2021 18:48	WG1725879
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2021 18:48	WG1725879
1,1-Dichloroethene	2.72		0.0200	0.100	1	08/19/2021 18:48	WG1725879
cis-1,2-Dichloroethene	1960		2.76	10.0	100	08/22/2021 18:10	WG1726824
trans-1,2-Dichloroethene	4.05		0.0572	0.200	1	08/19/2021 18:48	WG1725879
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2021 18:48	WG1725879
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2021 18:48	WG1725879
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2021 18:48	WG1725879
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2021 18:48	WG1725879
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2021 18:48	WG1725879
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2021 18:48	WG1725879
Di-isopropyl ether	0.0310	J	0.0140	0.0400	1	08/19/2021 18:48	WG1725879
Ethylbenzene	U		0.0212	0.100	1	08/19/2021 18:48	WG1725879
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2021 18:48	WG1725879
Isopropylbenzene	U		0.0345	0.100	1	08/19/2021 18:48	WG1725879
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2021 18:48	WG1725879
2-Butanone (MEK)	U	JS	0.500	1.00	1	08/19/2021 18:48	WG1725879
Methylene Chloride	U		0.265	1.00	1	08/19/2021 18:48	WG1725879
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2021 18:48	WG1725879
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2021 18:48	WG1725879
Naphthalene	U		0.124	0.500	1	08/19/2021 18:48	WG1725879
n-Propylbenzene	U		0.0472	0.200	1	08/19/2021 18:48	WG1725879
Styrene	U		0.109	0.500	1	08/19/2021 18:48	WG1725879
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2021 18:48	WG1725879
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2021 18:48	WG1725879
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2021 18:48	WG1725879
Tetrachloroethene	67.5		0.0280	0.100	1	08/19/2021 18:48	WG1725879
Toluene	U		0.0500	0.200	1	08/19/2021 18:48	WG1725879
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2021 18:48	WG1725879
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2021 18:48	WG1725879
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2021 18:48	WG1725879

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Trichloroethene	134		1.60	4.00	100	08/22/2021 18:10	<a href="#">WG1726824</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2021 18:48	<a href="#">WG1725879</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2021 18:48	<a href="#">WG1725879</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2021 18:48	<a href="#">WG1725879</a>
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	08/19/2021 18:48	<a href="#">WG1725879</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Vinyl chloride	0.551		0.0273	0.100	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Ethyl Ether	0.134		0.0170	0.100	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Iodomethane	U		0.242	0.500	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Allyl chloride	U		0.580	1.00	1	08/19/2021 18:48	<a href="#">WG1725879</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2021 18:48	<a href="#">WG1725879</a>
(S) Toluene-d8	108			75.0-131		08/19/2021 18:48	<a href="#">WG1725879</a>
(S) Toluene-d8	104			75.0-131		08/22/2021 18:10	<a href="#">WG1726824</a>
(S) 4-Bromofluorobenzene	86.9			67.0-138		08/19/2021 18:48	<a href="#">WG1725879</a>
(S) 4-Bromofluorobenzene	91.5			67.0-138		08/22/2021 18:10	<a href="#">WG1726824</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/19/2021 18:48	<a href="#">WG1725879</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/22/2021 18:10	<a href="#">WG1726824</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	51200		594	5000	1	08/18/2021 03:25	<a href="#">WG1724244</a>

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7600		102	1000	1	08/18/2021 00:10	<a href="#">WG1724430</a>

<sup>3</sup> Ss

<sup>4</sup> Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5100		28.1	100	1	08/19/2021 00:15	<a href="#">WG1724276</a>
Manganese	1520		0.704	5.00	1	08/19/2021 00:15	<a href="#">WG1724276</a>

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.39	J+	C5 J4	0.548	1.00	1	08/20/2021 03:37 WG1725881
Acrylonitrile	U			0.0760	0.500	1	08/20/2021 03:37 WG1725881
Benzene	0.249			0.0160	0.0400	1	08/20/2021 03:37 WG1725881
Bromobenzene	U			0.0420	0.500	1	08/20/2021 03:37 WG1725881
Bromodichloromethane	U			0.0315	0.100	1	08/20/2021 03:37 WG1725881
Bromoform	U			0.239	1.00	1	08/20/2021 03:37 WG1725881
Bromomethane	U			0.148	0.500	1	08/20/2021 03:37 WG1725881
n-Butylbenzene	U			0.153	0.500	1	08/20/2021 03:37 WG1725881
sec-Butylbenzene	U			0.101	0.500	1	08/20/2021 03:37 WG1725881
tert-Butylbenzene	U			0.0620	0.200	1	08/20/2021 03:37 WG1725881
Carbon tetrachloride	U			0.0432	0.200	1	08/20/2021 03:37 WG1725881
Chlorobenzene	U			0.0229	0.100	1	08/20/2021 03:37 WG1725881
Chlorodibromomethane	U			0.0180	0.100	1	08/20/2021 03:37 WG1725881
Chloroethane	U			0.0432	0.200	1	08/20/2021 03:37 WG1725881
Chloroform	U			0.0166	0.100	1	08/20/2021 03:37 WG1725881
Chloromethane	U			0.0556	0.500	1	08/20/2021 03:37 WG1725881
2-Chlorotoluene	U			0.0368	0.100	1	08/20/2021 03:37 WG1725881
4-Chlorotoluene	U			0.0452	0.200	1	08/20/2021 03:37 WG1725881
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/20/2021 03:37 WG1725881
1,2-Dibromoethane	U			0.0210	0.100	1	08/20/2021 03:37 WG1725881
Dibromomethane	U			0.0400	0.200	1	08/20/2021 03:37 WG1725881
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/20/2021 03:37 WG1725881
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/20/2021 03:37 WG1725881
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/20/2021 03:37 WG1725881
Dichlorodifluoromethane	U			0.0327	0.100	1	08/20/2021 03:37 WG1725881
1,1-Dichloroethane	U			0.0230	0.100	1	08/20/2021 03:37 WG1725881
1,2-Dichloroethane	U			0.0190	0.100	1	08/20/2021 03:37 WG1725881
1,1-Dichloroethene	0.230			0.0200	0.100	1	08/20/2021 03:37 WG1725881
cis-1,2-Dichloroethene	168			0.276	1.00	10	08/25/2021 22:30 WG1729316
trans-1,2-Dichloroethene	0.229			0.0572	0.200	1	08/20/2021 03:37 WG1725881
1,2-Dichloropropane	U			0.0508	0.200	1	08/20/2021 03:37 WG1725881
1,1-Dichloropropene	U			0.0280	0.100	1	08/20/2021 03:37 WG1725881
1,3-Dichloropropane	U			0.0700	0.200	1	08/20/2021 03:37 WG1725881
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/20/2021 03:37 WG1725881
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/20/2021 03:37 WG1725881
2,2-Dichloropropane	U			0.0317	0.100	1	08/20/2021 03:37 WG1725881
Di-isopropyl ether	0.0210		J	0.0140	0.0400	1	08/20/2021 03:37 WG1725881
Ethylbenzene	U			0.0212	0.100	1	08/20/2021 03:37 WG1725881
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/20/2021 03:37 WG1725881
Isopropylbenzene	U			0.0345	0.100	1	08/20/2021 03:37 WG1725881
p-Isopropyltoluene	U			0.0932	0.200	1	08/20/2021 03:37 WG1725881
2-Butanone (MEK)	U			0.500	1.00	1	08/20/2021 03:37 WG1725881
Methylene Chloride	U			0.265	1.00	1	08/20/2021 03:37 WG1725881
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/20/2021 03:37 WG1725881
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/20/2021 03:37 WG1725881
Naphthalene	U			0.124	0.500	1	08/20/2021 03:37 WG1725881
n-Propylbenzene	U			0.0472	0.200	1	08/20/2021 03:37 WG1725881
Styrene	U			0.109	0.500	1	08/20/2021 03:37 WG1725881
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/20/2021 03:37 WG1725881
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/20/2021 03:37 WG1725881
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	08/20/2021 03:37 WG1725881
Tetrachloroethene	0.0570		J	0.0280	0.100	1	08/20/2021 03:37 WG1725881
Toluene	U			0.0500	0.200	1	08/20/2021 03:37 WG1725881
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	08/20/2021 03:37 WG1725881
1,2,4-Trichlorobenzene	U			0.193	0.500	1	08/20/2021 03:37 WG1725881
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/20/2021 03:37 WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Trichloroethene	2.68		0.0160	0.0400	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 03:37	<a href="#">WG1725881</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 03:37	<a href="#">WG1725881</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 03:37	<a href="#">WG1725881</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 03:37	<a href="#">WG1725881</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Vinyl chloride	20.7		0.0273	0.100	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Xylenes, Total	U		0.191	0.260	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Ethyl Ether	0.118		0.0170	0.100	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Iodomethane	U		0.242	0.500	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Allyl chloride	U		0.580	1.00	1	08/20/2021 03:37	<a href="#">WG1725881</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 03:37	<a href="#">WG1725881</a>
(S) Toluene-d8	104			75.0-131		08/20/2021 03:37	<a href="#">WG1725881</a>
(S) Toluene-d8	96.7			75.0-131		08/25/2021 22:30	<a href="#">WG1729316</a>
(S) 4-Bromofluorobenzene	88.4			67.0-138		08/20/2021 03:37	<a href="#">WG1725881</a>
(S) 4-Bromofluorobenzene	98.6			67.0-138		08/25/2021 22:30	<a href="#">WG1729316</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2021 03:37	<a href="#">WG1725881</a>
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		08/25/2021 22:30	<a href="#">WG1729316</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2480	J	594	5000	1	08/18/2021 03:36	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1610	B	102	1000	1	08/18/2021 00:25	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

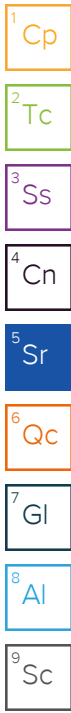
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4530		28.1	100	1	08/19/2021 00:26	<a href="#">WG1724276</a>
Manganese	264		0.704	5.00	1	08/19/2021 00:26	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	91.5		0.287	0.678	1	08/17/2021 13:57	<a href="#">WG1724320</a>
Ethane	U		0.296	1.29	1	08/17/2021 13:57	<a href="#">WG1724320</a>
Ethene	U		0.422	1.27	1	08/17/2021 13:57	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.77	J+ C5 J4	0.548	1.00	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Benzene	0.0350	J	0.0160	0.0400	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 03:56	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 03:56	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/25/2021 22:10	<a href="#">WG1729316</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 03:56	<a href="#">WG1725881</a>



JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 03:56	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 03:56	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 03:56	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 03:56	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 03:56	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 03:56	WG1725881
Ethylbenzene	0.115		0.0212	0.100	1	08/20/2021 03:56	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 03:56	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 03:56	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 03:56	WG1725881
2-Butanone (MEK)	1.44	J+ C5	0.500	1.00	1	08/20/2021 03:56	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 03:56	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 03:56	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 03:56	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 03:56	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 03:56	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 03:56	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 03:56	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 03:56	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 03:56	WG1725881
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 03:56	WG1725881
Toluene	0.919		0.0500	0.200	1	08/20/2021 03:56	WG1725881
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/20/2021 03:56	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 03:56	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 03:56	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 03:56	WG1725881
Trichloroethene	U		0.0160	0.0400	1	08/20/2021 03:56	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 03:56	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 03:56	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 03:56	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 03:56	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 03:56	WG1725881
Vinyl chloride	U		0.0273	0.100	1	08/20/2021 03:56	WG1725881
Xylenes, Total	0.508		0.191	0.260	1	08/20/2021 03:56	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 03:56	WG1725881
Tetrahydrofuran	13.1	J+ C5	0.0900	0.500	1	08/20/2021 03:56	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 03:56	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 03:56	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 03:56	WG1725881
(S) Toluene-d8	103			75.0-131		08/20/2021 03:56	WG1725881
(S) Toluene-d8	95.9			75.0-131		08/25/2021 22:10	WG1729316
(S) 4-Bromofluorobenzene	89.4			67.0-138		08/20/2021 03:56	WG1725881
(S) 4-Bromofluorobenzene	96.3			67.0-138		08/25/2021 22:10	WG1729316
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2021 03:56	WG1725881
(S) 1,2-Dichloroethane-d4	96.0			70.0-130		08/25/2021 22:10	WG1729316

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	25400		594	5000	1	08/18/2021 03:48	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1880	<del>P</del>	102	1000	1	08/18/2021 00:39	<a href="#">WG1724430</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1120		28.1	100	1	08/19/2021 00:31	<a href="#">WG1724276</a>
Manganese	829		0.704	5.00	1	08/19/2021 00:31	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	221		0.287	0.678	1	08/17/2021 14:00	<a href="#">WG1724320</a>
Ethane	25.0		0.296	1.29	1	08/17/2021 14:00	<a href="#">WG1724320</a>
Ethene	U <b>UJ</b>		0.422	1.27	1	08/17/2021 14:00	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.17 <b>J+</b>	<a href="#">C5 J4</a>	0.548	1.00	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Benzene	0.134		0.0160	0.0400	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 04:15	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,1-Dichloroethane	0.0260	<a href="#">J</a>	0.0230	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,1-Dichloroethene	0.887		0.0200	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	60.3		0.0276	0.100	1	08/20/2021 04:15	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	0.151	<a href="#">J</a>	0.0572	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 04:15	<a href="#">WG1725881</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 04:15	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 04:15	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 04:15	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 04:15	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 04:15	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 04:15	WG1725881
Ethylbenzene	0.0950	<u>J</u>	0.0212	0.100	1	08/20/2021 04:15	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 04:15	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 04:15	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 04:15	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 04:15	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 04:15	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 04:15	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 04:15	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 04:15	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 04:15	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 04:15	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 04:15	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 04:15	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 04:15	WG1725881
Tetrachloroethene	0.0710	<u>J</u>	0.0280	0.100	1	08/20/2021 04:15	WG1725881
Toluene	1.20		0.0500	0.200	1	08/20/2021 04:15	WG1725881
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	08/20/2021 04:15	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 04:15	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 04:15	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 04:15	WG1725881
Trichloroethene	7.11		0.0160	0.0400	1	08/20/2021 04:15	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 04:15	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 04:15	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 04:15	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 04:15	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 04:15	WG1725881
Vinyl chloride	34.0		0.0273	0.100	1	08/20/2021 04:15	WG1725881
Xylenes, Total	0.514		0.191	0.260	1	08/20/2021 04:15	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 04:15	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 04:15	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 04:15	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 04:15	WG1725881
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u> <u>C3</u>	0.0560	0.200	1	08/20/2021 04:15	WG1725881
(S) Toluene-d8	106			75.0-131		08/20/2021 04:15	WG1725881
(S) 4-Bromofluorobenzene	88.0			67.0-138		08/20/2021 04:15	WG1725881
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/20/2021 04:15	WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.56	J+	C5 J4	0.548	1.00	1	08/20/2021 04:34 WG1725881	
Acrylonitrile	U			0.0760	0.500	1	08/20/2021 04:34 WG1725881	
Benzene	0.0420			0.0160	0.0400	1	08/20/2021 04:34 WG1725881	
Bromobenzene	U			0.0420	0.500	1	08/20/2021 04:34 WG1725881	
Bromodichloromethane	U			0.0315	0.100	1	08/20/2021 04:34 WG1725881	
Bromoform	U			0.239	1.00	1	08/20/2021 04:34 WG1725881	
Bromomethane	U			0.148	0.500	1	08/20/2021 04:34 WG1725881	
n-Butylbenzene	U			0.153	0.500	1	08/20/2021 04:34 WG1725881	
sec-Butylbenzene	U			0.101	0.500	1	08/20/2021 04:34 WG1725881	
tert-Butylbenzene	U			0.0620	0.200	1	08/20/2021 04:34 WG1725881	
Carbon tetrachloride	U			0.0432	0.200	1	08/20/2021 04:34 WG1725881	
Chlorobenzene	U			0.0229	0.100	1	08/20/2021 04:34 WG1725881	
Chlorodibromomethane	U			0.0180	0.100	1	08/20/2021 04:34 WG1725881	
Chloroethane	U			0.0432	0.200	1	08/20/2021 04:34 WG1725881	
Chloroform	U			0.0166	0.100	1	08/20/2021 04:34 WG1725881	
Chloromethane	U			0.0556	0.500	1	08/20/2021 04:34 WG1725881	
2-Chlorotoluene	U			0.0368	0.100	1	08/20/2021 04:34 WG1725881	
4-Chlorotoluene	U			0.0452	0.200	1	08/20/2021 04:34 WG1725881	
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/20/2021 04:34 WG1725881	
1,2-Dibromoethane	U			0.0210	0.100	1	08/20/2021 04:34 WG1725881	
Dibromomethane	U			0.0400	0.200	1	08/20/2021 04:34 WG1725881	
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/20/2021 04:34 WG1725881	
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/20/2021 04:34 WG1725881	
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/20/2021 04:34 WG1725881	
Dichlorodifluoromethane	U			0.0327	0.100	1	08/20/2021 04:34 WG1725881	
1,1-Dichloroethane	U			0.0230	0.100	1	08/20/2021 04:34 WG1725881	
1,2-Dichloroethane	U			0.0190	0.100	1	08/20/2021 04:34 WG1725881	
1,1-Dichloroethene	U			0.0200	0.100	1	08/20/2021 04:34 WG1725881	
cis-1,2-Dichloroethene	3.52			0.0276	0.100	1	08/20/2021 04:34 WG1725881	
trans-1,2-Dichloroethene	U			0.0572	0.200	1	08/20/2021 04:34 WG1725881	
1,2-Dichloropropane	U			0.0508	0.200	1	08/20/2021 04:34 WG1725881	
1,1-Dichloropropene	U			0.0280	0.100	1	08/20/2021 04:34 WG1725881	
1,3-Dichloropropane	U			0.0700	0.200	1	08/20/2021 04:34 WG1725881	
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/20/2021 04:34 WG1725881	
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/20/2021 04:34 WG1725881	
2,2-Dichloropropane	U			0.0317	0.100	1	08/20/2021 04:34 WG1725881	
Di-isopropyl ether	U			0.0140	0.0400	1	08/20/2021 04:34 WG1725881	
Ethylbenzene	0.0600		J	0.0212	0.100	1	08/20/2021 04:34 WG1725881	
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/20/2021 04:34 WG1725881	
Isopropylbenzene	U			0.0345	0.100	1	08/20/2021 04:34 WG1725881	
p-Isopropyltoluene	U			0.0932	0.200	1	08/20/2021 04:34 WG1725881	
2-Butanone (MEK)	U			0.500	1.00	1	08/20/2021 04:34 WG1725881	
Methylene Chloride	U			0.265	1.00	1	08/20/2021 04:34 WG1725881	
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/20/2021 04:34 WG1725881	
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/20/2021 04:34 WG1725881	
Naphthalene	U			0.124	0.500	1	08/20/2021 04:34 WG1725881	
n-Propylbenzene	U			0.0472	0.200	1	08/20/2021 04:34 WG1725881	
Styrene	U			0.109	0.500	1	08/20/2021 04:34 WG1725881	
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/20/2021 04:34 WG1725881	
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/20/2021 04:34 WG1725881	
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	08/20/2021 04:34 WG1725881	
Tetrachloroethene	0.138			0.0280	0.100	1	08/20/2021 04:34 WG1725881	
Toluene	0.468			0.0500	0.200	1	08/20/2021 04:34 WG1725881	
1,2,3-Trichlorobenzene	U		UJ	C4	0.0250	0.500	1	08/20/2021 04:34 WG1725881
1,2,4-Trichlorobenzene	U			0.193	0.500	1	08/20/2021 04:34 WG1725881	
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/20/2021 04:34 WG1725881	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Trichloroethene	0.599		0.0160	0.0400	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 04:34	<a href="#">WG1725881</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 04:34	<a href="#">WG1725881</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 04:34	<a href="#">WG1725881</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 04:34	<a href="#">WG1725881</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Vinyl chloride	0.206		0.0273	0.100	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Xylenes, Total	0.291		0.191	0.260	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Ethyl Ether	0.0650	J	0.0170	0.100	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Iodomethane	U		0.242	0.500	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Allyl chloride	U		0.580	1.00	1	08/20/2021 04:34	<a href="#">WG1725881</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 04:34	<a href="#">WG1725881</a>
(S) Toluene-d8	104			75.0-131		08/20/2021 04:34	<a href="#">WG1725881</a>
(S) 4-Bromofluorobenzene	88.7			67.0-138		08/20/2021 04:34	<a href="#">WG1725881</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2021 04:34	<a href="#">WG1725881</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	72600		594	5000	1	08/18/2021 03:59	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3000	<del>R</del>	102	1000	1	08/18/2021 13:40	<a href="#">WG1724841</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2010		28.1	100	1	08/19/2021 00:35	<a href="#">WG1724276</a>
Manganese	2540		0.704	5.00	1	08/19/2021 00:35	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2430		0.287	0.678	1	08/17/2021 14:04	<a href="#">WG1724320</a>
Ethane	7.53		0.296	1.29	1	08/17/2021 14:04	<a href="#">WG1724320</a>
Ethene	U		0.422	1.27	1	08/17/2021 14:04	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	13.7	25.0	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Acrylonitrile	U		1.90	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Benzene	U		0.400	1.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Bromobenzene	U		1.05	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.788	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Bromoform	U		5.98	25.0	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Bromomethane	U		3.70	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
n-Butylbenzene	U		3.83	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
sec-Butylbenzene	U		2.53	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
tert-Butylbenzene	U		1.55	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Carbon tetrachloride	U		1.08	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Chlorobenzene	U		0.573	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.450	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Chloroethane	U		1.08	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Chloroform	U		0.415	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Chloromethane	U		1.39	12.5	25	08/20/2021 09:19	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.920	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
4-Chlorotoluene	U		1.13	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.525	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Dibromomethane	U		1.00	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.818	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.575	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.475	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,1-Dichloroethene	2.90		0.500	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	345		0.690	2.50	25	08/20/2021 09:19	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	2.38	<del>J</del>	1.43	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		1.27	5.00	25	08/20/2021 09:19	<a href="#">WG1725881</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	08/20/2021 09:19	WG1725881
1,3-Dichloropropane	U		1.75	5.00	25	08/20/2021 09:19	WG1725881
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/20/2021 09:19	WG1725881
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/20/2021 09:19	WG1725881
2,2-Dichloropropane	U		0.793	2.50	25	08/20/2021 09:19	WG1725881
Di-isopropyl ether	U		0.350	1.00	25	08/20/2021 09:19	WG1725881
Ethylbenzene	U		0.530	2.50	25	08/20/2021 09:19	WG1725881
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/20/2021 09:19	WG1725881
Isopropylbenzene	U		0.863	2.50	25	08/20/2021 09:19	WG1725881
p-Isopropyltoluene	U		2.33	5.00	25	08/20/2021 09:19	WG1725881
2-Butanone (MEK)	U		12.5	25.0	25	08/20/2021 09:19	WG1725881
Methylene Chloride	U		6.63	25.0	25	08/20/2021 09:19	WG1725881
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/20/2021 09:19	WG1725881
Methyl tert-butyl ether	U		0.295	1.00	25	08/20/2021 09:19	WG1725881
Naphthalene	U		3.10	12.5	25	08/20/2021 09:19	WG1725881
n-Propylbenzene	U		1.18	5.00	25	08/20/2021 09:19	WG1725881
Styrene	U		2.73	12.5	25	08/20/2021 09:19	WG1725881
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/20/2021 09:19	WG1725881
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/20/2021 09:19	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/20/2021 09:19	WG1725881
Tetrachloroethene	410		0.700	2.50	25	08/20/2021 09:19	WG1725881
Toluene	U		1.25	5.00	25	08/20/2021 09:19	WG1725881
1,2,3-Trichlorobenzene	U	UJ C4	0.625	12.5	25	08/20/2021 09:19	WG1725881
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/20/2021 09:19	WG1725881
1,1,1-Trichloroethane	U		0.275	2.50	25	08/20/2021 09:19	WG1725881
1,1,2-Trichloroethane	U		0.883	2.50	25	08/20/2021 09:19	WG1725881
Trichloroethene	226		0.400	1.00	25	08/20/2021 09:19	WG1725881
Trichlorofluoromethane	U		0.500	2.50	25	08/20/2021 09:19	WG1725881
1,2,3-Trichloropropane	U		5.10	12.5	25	08/20/2021 09:19	WG1725881
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/20/2021 09:19	WG1725881
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/20/2021 09:19	WG1725881
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/20/2021 09:19	WG1725881
Vinyl chloride	U		0.682	2.50	25	08/20/2021 09:19	WG1725881
Xylenes, Total	U		4.78	6.50	25	08/20/2021 09:19	WG1725881
Ethyl Ether	U		0.425	2.50	25	08/20/2021 09:19	WG1725881
Tetrahydrofuran	U		2.25	12.5	25	08/20/2021 09:19	WG1725881
Iodomethane	U		6.05	12.5	25	08/20/2021 09:19	WG1725881
Allyl chloride	U		14.5	25.0	25	08/20/2021 09:19	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ C3	1.40	5.00	25	08/20/2021 09:19	WG1725881
(S) Toluene-d8	109			75.0-131		08/20/2021 09:19	WG1725881
(S) 4-Bromofluorobenzene	85.6			67.0-138		08/20/2021 09:19	WG1725881
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/20/2021 09:19	WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Sample Narrative:

L1390515-11 WG1725881: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.89	J+	C5 J4	0.548	1.00	1	08/20/2021 04:53 WG1725881
Acrylonitrile	U			0.0760	0.500	1	08/20/2021 04:53 WG1725881
Benzene	U			0.0160	0.0400	1	08/20/2021 04:53 WG1725881
Bromobenzene	U			0.0420	0.500	1	08/20/2021 04:53 WG1725881
Bromodichloromethane	U			0.0315	0.100	1	08/20/2021 04:53 WG1725881
Bromoform	U			0.239	1.00	1	08/20/2021 04:53 WG1725881
Bromomethane	U			0.148	0.500	1	08/20/2021 04:53 WG1725881
n-Butylbenzene	U			0.153	0.500	1	08/20/2021 04:53 WG1725881
sec-Butylbenzene	U			0.101	0.500	1	08/20/2021 04:53 WG1725881
tert-Butylbenzene	U			0.0620	0.200	1	08/20/2021 04:53 WG1725881
Carbon tetrachloride	U			0.0432	0.200	1	08/20/2021 04:53 WG1725881
Chlorobenzene	U			0.0229	0.100	1	08/20/2021 04:53 WG1725881
Chlorodibromomethane	U			0.0180	0.100	1	08/20/2021 04:53 WG1725881
Chloroethane	U			0.0432	0.200	1	08/20/2021 04:53 WG1725881
Chloroform	U			0.0166	0.100	1	08/20/2021 04:53 WG1725881
Chloromethane	U			0.0556	0.500	1	08/20/2021 04:53 WG1725881
2-Chlorotoluene	U			0.0368	0.100	1	08/20/2021 04:53 WG1725881
4-Chlorotoluene	U			0.0452	0.200	1	08/20/2021 04:53 WG1725881
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/20/2021 04:53 WG1725881
1,2-Dibromoethane	U			0.0210	0.100	1	08/20/2021 04:53 WG1725881
Dibromomethane	U			0.0400	0.200	1	08/20/2021 04:53 WG1725881
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/20/2021 04:53 WG1725881
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/20/2021 04:53 WG1725881
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/20/2021 04:53 WG1725881
Dichlorodifluoromethane	U			0.0327	0.100	1	08/20/2021 04:53 WG1725881
1,1-Dichloroethane	U			0.0230	0.100	1	08/20/2021 04:53 WG1725881
1,2-Dichloroethane	U			0.0190	0.100	1	08/20/2021 04:53 WG1725881
1,1-Dichloroethene	U			0.0200	0.100	1	08/20/2021 04:53 WG1725881
cis-1,2-Dichloroethene	1.61			0.0276	0.100	1	08/20/2021 04:53 WG1725881
trans-1,2-Dichloroethene	U			0.0572	0.200	1	08/20/2021 04:53 WG1725881
1,2-Dichloropropane	U			0.0508	0.200	1	08/20/2021 04:53 WG1725881
1,1-Dichloropropene	U			0.0280	0.100	1	08/20/2021 04:53 WG1725881
1,3-Dichloropropane	U			0.0700	0.200	1	08/20/2021 04:53 WG1725881
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/20/2021 04:53 WG1725881
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/20/2021 04:53 WG1725881
2,2-Dichloropropane	U			0.0317	0.100	1	08/20/2021 04:53 WG1725881
Di-isopropyl ether	U			0.0140	0.0400	1	08/20/2021 04:53 WG1725881
Ethylbenzene	U			0.0212	0.100	1	08/20/2021 04:53 WG1725881
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/20/2021 04:53 WG1725881
Isopropylbenzene	U			0.0345	0.100	1	08/20/2021 04:53 WG1725881
p-Isopropyltoluene	U			0.0932	0.200	1	08/20/2021 04:53 WG1725881
2-Butanone (MEK)	U			0.500	1.00	1	08/20/2021 04:53 WG1725881
Methylene Chloride	U			0.265	1.00	1	08/20/2021 04:53 WG1725881
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/20/2021 04:53 WG1725881
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/20/2021 04:53 WG1725881
Naphthalene	U			0.124	0.500	1	08/20/2021 04:53 WG1725881
n-Propylbenzene	U			0.0472	0.200	1	08/20/2021 04:53 WG1725881
Styrene	U			0.109	0.500	1	08/20/2021 04:53 WG1725881
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/20/2021 04:53 WG1725881
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/20/2021 04:53 WG1725881
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	08/20/2021 04:53 WG1725881
Tetrachloroethene	U			0.0280	0.100	1	08/20/2021 04:53 WG1725881
Toluene	0.189		J	0.0500	0.200	1	08/20/2021 04:53 WG1725881
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	08/20/2021 04:53 WG1725881
1,2,4-Trichlorobenzene	U			0.193	0.500	1	08/20/2021 04:53 WG1725881
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/20/2021 04:53 WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Trichloroethene	U		0.0160	0.0400	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 04:53	<a href="#">WG1725881</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 04:53	<a href="#">WG1725881</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 04:53	<a href="#">WG1725881</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 04:53	<a href="#">WG1725881</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Vinyl chloride	U		0.0273	0.100	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Xylenes, Total	U		0.191	0.260	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Iodomethane	U		0.242	0.500	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Allyl chloride	U		0.580	1.00	1	08/20/2021 04:53	<a href="#">WG1725881</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 04:53	<a href="#">WG1725881</a>
(S) Toluene-d8	105			75.0-131		08/20/2021 04:53	<a href="#">WG1725881</a>
(S) 4-Bromofluorobenzene	89.8			67.0-138		08/20/2021 04:53	<a href="#">WG1725881</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/20/2021 04:53	<a href="#">WG1725881</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/28/21

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	25400		594	5000	1	08/18/2021 04:11	<a href="#">WG1724244</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1750	<b>B-</b>	102	1000	1	08/18/2021 13:53	<a href="#">WG1724841</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	936		28.1	100	1	08/19/2021 00:38	<a href="#">WG1724276</a>
Manganese	833		0.704	5.00	1	08/19/2021 00:38	<a href="#">WG1724276</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	205		0.287	0.678	1	08/17/2021 14:09	<a href="#">WG1724320</a>
Ethane	23.4		0.296	1.29	1	08/17/2021 14:09	<a href="#">WG1724320</a>
Ethene	7.61	<b>J</b>	0.422	1.27	1	08/17/2021 14:09	<a href="#">WG1724320</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.47	<b>J+</b>	<a href="#">C5</a> <a href="#">J4</a>	0.548	1.00	1	08/20/2021 05:12	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Benzene	0.138		0.0160	0.0400	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Bromobenzene	U		0.0420	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Bromoform	U		0.239	1.00	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Bromomethane	U		0.148	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Chloroethane	U		0.0432	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Chloroform	U		0.0166	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Chloromethane	U		0.0556	0.500	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Dibromomethane	U		0.0400	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,1-Dichloroethane	0.0280	<b>J</b>	0.0230	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,1-Dichloroethene	0.830		0.0200	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
cis-1,2-Dichloroethene	59.8		0.0276	0.100	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
trans-1,2-Dichloroethene	0.119	<b>J</b>	0.0572	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 05:12	<a href="#">WG1725881</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 05:12	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 05:12	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 05:12	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 05:12	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 05:12	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 05:12	WG1725881
Ethylbenzene	0.0840	<u>J</u>	0.0212	0.100	1	08/20/2021 05:12	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 05:12	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 05:12	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 05:12	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 05:12	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 05:12	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 05:12	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 05:12	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 05:12	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 05:12	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 05:12	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 05:12	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 05:12	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 05:12	WG1725881
Tetrachloroethene	0.0850	<u>J</u>	0.0280	0.100	1	08/20/2021 05:12	WG1725881
Toluene	1.19		0.0500	0.200	1	08/20/2021 05:12	WG1725881
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	08/20/2021 05:12	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 05:12	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 05:12	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 05:12	WG1725881
Trichloroethene	6.84		0.0160	0.0400	1	08/20/2021 05:12	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 05:12	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 05:12	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 05:12	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 05:12	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 05:12	WG1725881
Vinyl chloride	33.0		0.0273	0.100	1	08/20/2021 05:12	WG1725881
Xylenes, Total	0.479		0.191	0.260	1	08/20/2021 05:12	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 05:12	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 05:12	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 05:12	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 05:12	WG1725881
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u> <u>C3</u>	0.0560	0.200	1	08/20/2021 05:12	WG1725881
(S) Toluene-d8	106			75.0-131		08/20/2021 05:12	WG1725881
(S) 4-Bromofluorobenzene	87.8			67.0-138		08/20/2021 05:12	WG1725881
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2021 05:12	WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.94	J+	C5 J4	0.548	1.00	1	08/20/2021 05:31 WG1725881
Acrylonitrile	U			0.0760	0.500	1	08/20/2021 05:31 WG1725881
Benzene	0.0380	J		0.0160	0.0400	1	08/20/2021 05:31 WG1725881
Bromobenzene	U			0.0420	0.500	1	08/20/2021 05:31 WG1725881
Bromodichloromethane	U			0.0315	0.100	1	08/20/2021 05:31 WG1725881
Bromoform	U			0.239	1.00	1	08/20/2021 05:31 WG1725881
Bromomethane	U			0.148	0.500	1	08/20/2021 05:31 WG1725881
n-Butylbenzene	U			0.153	0.500	1	08/20/2021 05:31 WG1725881
sec-Butylbenzene	U			0.101	0.500	1	08/20/2021 05:31 WG1725881
tert-Butylbenzene	U			0.0620	0.200	1	08/20/2021 05:31 WG1725881
Carbon tetrachloride	U			0.0432	0.200	1	08/20/2021 05:31 WG1725881
Chlorobenzene	U			0.0229	0.100	1	08/20/2021 05:31 WG1725881
Chlorodibromomethane	U			0.0180	0.100	1	08/20/2021 05:31 WG1725881
Chloroethane	U			0.0432	0.200	1	08/20/2021 05:31 WG1725881
Chloroform	U			0.0166	0.100	1	08/20/2021 05:31 WG1725881
Chloromethane	U			0.0556	0.500	1	08/20/2021 05:31 WG1725881
2-Chlorotoluene	U			0.0368	0.100	1	08/20/2021 05:31 WG1725881
4-Chlorotoluene	U			0.0452	0.200	1	08/20/2021 05:31 WG1725881
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	08/20/2021 05:31 WG1725881
1,2-Dibromoethane	U			0.0210	0.100	1	08/20/2021 05:31 WG1725881
Dibromomethane	U			0.0400	0.200	1	08/20/2021 05:31 WG1725881
1,2-Dichlorobenzene	U			0.0580	0.200	1	08/20/2021 05:31 WG1725881
1,3-Dichlorobenzene	U			0.0680	0.200	1	08/20/2021 05:31 WG1725881
1,4-Dichlorobenzene	U			0.0788	0.200	1	08/20/2021 05:31 WG1725881
Dichlorodifluoromethane	U			0.0327	0.100	1	08/20/2021 05:31 WG1725881
1,1-Dichloroethane	0.0320	J		0.0230	0.100	1	08/20/2021 05:31 WG1725881
1,2-Dichloroethane	U			0.0190	0.100	1	08/20/2021 05:31 WG1725881
1,1-Dichloroethene	U			0.0200	0.100	1	08/20/2021 05:31 WG1725881
cis-1,2-Dichloroethene	3.05			0.0276	0.100	1	08/20/2021 05:31 WG1725881
trans-1,2-Dichloroethene	U			0.0572	0.200	1	08/20/2021 05:31 WG1725881
1,2-Dichloropropane	U			0.0508	0.200	1	08/20/2021 05:31 WG1725881
1,1-Dichloropropene	U			0.0280	0.100	1	08/20/2021 05:31 WG1725881
1,3-Dichloropropane	U			0.0700	0.200	1	08/20/2021 05:31 WG1725881
cis-1,3-Dichloropropene	U			0.0271	0.100	1	08/20/2021 05:31 WG1725881
trans-1,3-Dichloropropene	U			0.0612	0.200	1	08/20/2021 05:31 WG1725881
2,2-Dichloropropane	U			0.0317	0.100	1	08/20/2021 05:31 WG1725881
Di-isopropyl ether	0.0670			0.0140	0.0400	1	08/20/2021 05:31 WG1725881
Ethylbenzene	0.0340	J		0.0212	0.100	1	08/20/2021 05:31 WG1725881
Hexachloro-1,3-butadiene	U			0.508	1.00	1	08/20/2021 05:31 WG1725881
Isopropylbenzene	U			0.0345	0.100	1	08/20/2021 05:31 WG1725881
p-Isopropyltoluene	U			0.0932	0.200	1	08/20/2021 05:31 WG1725881
2-Butanone (MEK)	U			0.500	1.00	1	08/20/2021 05:31 WG1725881
Methylene Chloride	U			0.265	1.00	1	08/20/2021 05:31 WG1725881
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	08/20/2021 05:31 WG1725881
Methyl tert-butyl ether	U			0.0118	0.0400	1	08/20/2021 05:31 WG1725881
Naphthalene	U			0.124	0.500	1	08/20/2021 05:31 WG1725881
n-Propylbenzene	U			0.0472	0.200	1	08/20/2021 05:31 WG1725881
Styrene	U			0.109	0.500	1	08/20/2021 05:31 WG1725881
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	08/20/2021 05:31 WG1725881
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	08/20/2021 05:31 WG1725881
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	08/20/2021 05:31 WG1725881
Tetrachloroethene	U			0.0280	0.100	1	08/20/2021 05:31 WG1725881
Toluene	0.199	J		0.0500	0.200	1	08/20/2021 05:31 WG1725881
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	08/20/2021 05:31 WG1725881
1,2,4-Trichlorobenzene	U			0.193	0.500	1	08/20/2021 05:31 WG1725881
1,1,1-Trichloroethane	U			0.0110	0.100	1	08/20/2021 05:31 WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Trichloroethene	U		0.0160	0.0400	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 05:31	<a href="#">WG1725881</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 05:31	<a href="#">WG1725881</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 05:31	<a href="#">WG1725881</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 05:31	<a href="#">WG1725881</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Vinyl chloride	0.107		0.0273	0.100	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Xylenes, Total	0.216	U	0.191	0.260	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Tetrahydrofuran	0.284	U	0.0900	0.500	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Iodomethane	U		0.242	0.500	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Allyl chloride	U		0.580	1.00	1	08/20/2021 05:31	<a href="#">WG1725881</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 05:31	<a href="#">WG1725881</a>
(S) Toluene-d8	107			75.0-131		08/20/2021 05:31	<a href="#">WG1725881</a>
(S) 4-Bromofluorobenzene	87.3			67.0-138		08/20/2021 05:31	<a href="#">WG1725881</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/20/2021 05:31	<a href="#">WG1725881</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 9/28/21



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	152000		2970	25000	5	08/19/2021 05:23	<a href="#">WG1725666</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1690	<del>+</del>	102	1000	1	08/20/2021 12:50	<a href="#">WG1726723</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4870		140	500	5	08/18/2021 17:16	<a href="#">WG1724306</a>
Manganese	488		3.52	25.0	5	08/18/2021 17:16	<a href="#">WG1724306</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1380		0.287	0.678	1	08/18/2021 13:26	<a href="#">WG1724783</a>
Ethane	U		0.296	1.29	1	08/18/2021 13:26	<a href="#">WG1724783</a>
Ethene	U		0.422	1.27	1	08/18/2021 13:26	<a href="#">WG1724783</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.54	J+	<a href="#">C5 J4</a>	0.548	1.00	1	08/20/2021 05:50	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Benzene	0.0570		0.0160	0.0400	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Bromobenzene	U		0.0420	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Bromoform	U		0.239	1.00	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Bromomethane	U		0.148	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Chloroethane	U		0.0432	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Chloroform	U		0.0166	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Chloromethane	U		0.0556	0.500	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Dibromomethane	U		0.0400	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
cis-1,2-Dichloroethene	0.0630	U	<del>B J</del>	0.0276	0.100	1	08/20/2021 05:50	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 05:50	<a href="#">WG1725881</a>	

JC 9/28/21

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 05:50	WG1725881	
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 05:50	WG1725881	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 05:50	WG1725881	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 05:50	WG1725881	
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 05:50	WG1725881	
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 05:50	WG1725881	
Ethylbenzene	0.0640	<u>U</u>	0.0212	0.100	1	08/20/2021 05:50	WG1725881	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 05:50	WG1725881	
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 05:50	WG1725881	
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 05:50	WG1725881	
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 05:50	WG1725881	
Methylene Chloride	U		0.265	1.00	1	08/20/2021 05:50	WG1725881	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 05:50	WG1725881	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 05:50	WG1725881	
Naphthalene	U		0.124	0.500	1	08/20/2021 05:50	WG1725881	
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 05:50	WG1725881	
Styrene	U		0.109	0.500	1	08/20/2021 05:50	WG1725881	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 05:50	WG1725881	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 05:50	WG1725881	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 05:50	WG1725881	
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 05:50	WG1725881	
Toluene	0.569		0.0500	0.200	1	08/20/2021 05:50	WG1725881	
1,2,3-Trichlorobenzene	U	<u>UJ</u>	<u>C4</u>	0.0250	0.500	1	08/20/2021 05:50	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 05:50	WG1725881	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 05:50	WG1725881	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 05:50	WG1725881	
Trichloroethene	U		0.0160	0.0400	1	08/20/2021 05:50	WG1725881	
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 05:50	WG1725881	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 05:50	WG1725881	
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 05:50	WG1725881	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 05:50	WG1725881	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 05:50	WG1725881	
Vinyl chloride	0.516		0.0273	0.100	1	08/20/2021 05:50	WG1725881	
Xylenes, Total	0.246	<u>U</u>	0.191	0.260	1	08/20/2021 05:50	WG1725881	
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 05:50	WG1725881	
Tetrahydrofuran	0.310	<u>U</u>	0.0900	0.500	1	08/20/2021 05:50	WG1725881	
Iodomethane	U		0.242	0.500	1	08/20/2021 05:50	WG1725881	
Allyl chloride	U		0.580	1.00	1	08/20/2021 05:50	WG1725881	
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u>	<u>C3</u>	0.0560	0.200	1	08/20/2021 05:50	WG1725881
(S) Toluene-d8	108			75.0-131		08/20/2021 05:50	WG1725881	
(S) 4-Bromofluorobenzene	85.8			67.0-138		08/20/2021 05:50	WG1725881	
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/20/2021 05:50	WG1725881	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	69200		594	5000	1	08/19/2021 05:36	<a href="#">WG1725666</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1880	<del>B</del>	102	1000	1	08/20/2021 13:16	<a href="#">WG1726723</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	883		28.1	100	1	08/19/2021 16:52	<a href="#">WG1725251</a>
Manganese	41.2		0.704	5.00	1	08/19/2021 16:52	<a href="#">WG1725251</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	36.0		0.287	0.678	1	08/18/2021 13:30	<a href="#">WG1724783</a>
Ethane	U		0.296	1.29	1	08/18/2021 13:30	<a href="#">WG1724783</a>
Ethene	U		0.422	1.27	1	08/18/2021 13:30	<a href="#">WG1724783</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.41	J+ C5 J4	0.548	1.00	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Benzene	0.0260	J	0.0160	0.0400	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 06:09	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	4.73		0.0276	0.100	1	08/20/2021 06:09	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	0.0840	J	0.0572	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 06:09	<a href="#">WG1725881</a>

JC 9/28/21

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 06:09	WG1725881	
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 06:09	WG1725881	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 06:09	WG1725881	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 06:09	WG1725881	
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 06:09	WG1725881	
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 06:09	WG1725881	
Ethylbenzene	U		0.0212	0.100	1	08/20/2021 06:09	WG1725881	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 06:09	WG1725881	
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 06:09	WG1725881	
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 06:09	WG1725881	
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 06:09	WG1725881	
Methylene Chloride	U		0.265	1.00	1	08/20/2021 06:09	WG1725881	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 06:09	WG1725881	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 06:09	WG1725881	
Naphthalene	U		0.124	0.500	1	08/20/2021 06:09	WG1725881	
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 06:09	WG1725881	
Styrene	U		0.109	0.500	1	08/20/2021 06:09	WG1725881	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 06:09	WG1725881	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 06:09	WG1725881	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 06:09	WG1725881	
Tetrachloroethene	57.4		0.0280	0.100	1	08/20/2021 06:09	WG1725881	
Toluene	0.0970		0.0500	0.200	1	08/20/2021 06:09	WG1725881	
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	08/20/2021 06:09	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 06:09	WG1725881	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 06:09	WG1725881	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 06:09	WG1725881	
Trichloroethene	12.8		0.0160	0.0400	1	08/20/2021 06:09	WG1725881	
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 06:09	WG1725881	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 06:09	WG1725881	
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 06:09	WG1725881	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 06:09	WG1725881	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 06:09	WG1725881	
Vinyl chloride	U		0.0273	0.100	1	08/20/2021 06:09	WG1725881	
Xylenes, Total	U		0.191	0.260	1	08/20/2021 06:09	WG1725881	
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 06:09	WG1725881	
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 06:09	WG1725881	
Iodomethane	U		0.242	0.500	1	08/20/2021 06:09	WG1725881	
Allyl chloride	U		0.580	1.00	1	08/20/2021 06:09	WG1725881	
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	08/20/2021 06:09	WG1725881
(S) Toluene-d8	108				75.0-131	08/20/2021 06:09	WG1725881	
(S) 4-Bromofluorobenzene	86.0				67.0-138	08/20/2021 06:09	WG1725881	
(S) 1,2-Dichloroethane-d4	107				70.0-130	08/20/2021 06:09	WG1725881	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4780	J	594	5000	1	08/19/2021 05:50	<a href="#">WG1725666</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6010		102	1000	1	08/20/2021 13:31	<a href="#">WG1726723</a>

Metals (ICPMS) by Method 6020B

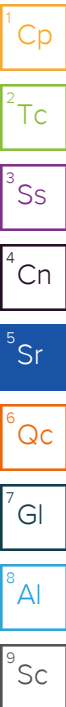
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14500		28.1	100	1	08/19/2021 16:55	<a href="#">WG1725251</a>
Manganese	3140		0.704	5.00	1	08/19/2021 16:55	<a href="#">WG1725251</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4360		2.87	6.78	10	08/19/2021 11:28	<a href="#">WG1725506</a>
Ethane	U		0.296	1.29	1	08/18/2021 13:42	<a href="#">WG1724783</a>
Ethene	U		0.422	1.27	1	08/18/2021 13:42	<a href="#">WG1724783</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.11	J+ C5 J4	0.548	1.00	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Benzene	0.0570		0.0160	0.0400	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 06:28	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	8.25		0.0276	0.100	1	08/20/2021 06:28	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	0.119	J	0.0572	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 06:28	<a href="#">WG1725881</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 06:28	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 06:28	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 06:28	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 06:28	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 06:28	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 06:28	WG1725881
Ethylbenzene	U		0.0212	0.100	1	08/20/2021 06:28	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 06:28	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 06:28	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 06:28	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 06:28	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 06:28	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 06:28	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 06:28	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 06:28	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 06:28	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 06:28	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 06:28	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 06:28	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 06:28	WG1725881
Tetrachloroethene	0.293		0.0280	0.100	1	08/20/2021 06:28	WG1725881
Toluene	0.172		0.0500	0.200	1	08/20/2021 06:28	WG1725881
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/20/2021 06:28	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 06:28	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 06:28	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 06:28	WG1725881
Trichloroethene	1.11		0.0160	0.0400	1	08/20/2021 06:28	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 06:28	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 06:28	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 06:28	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 06:28	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 06:28	WG1725881
Vinyl chloride	0.440		0.0273	0.100	1	08/20/2021 06:28	WG1725881
Xylenes, Total	U		0.191	0.260	1	08/20/2021 06:28	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 06:28	WG1725881
Tetrahydrofuran	0.420		0.0900	0.500	1	08/20/2021 06:28	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 06:28	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 06:28	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	08/20/2021 06:28	WG1725881
(S) Toluene-d8	104			75.0-131		08/20/2021 06:28	WG1725881
(S) 4-Bromofluorobenzene	89.6			67.0-138		08/20/2021 06:28	WG1725881
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2021 06:28	WG1725881

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	44000		594	5000	1	08/24/2021 01:01	<a href="#">WG1728045</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2220	<del>B</del>	102	1000	1	08/20/2021 16:14	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	130		28.1	100	1	08/23/2021 10:55	<a href="#">WG1725827</a>
Manganese	33.2		0.704	5.00	1	08/23/2021 10:55	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		2.91	10.0	1	08/20/2021 11:28	<a href="#">WG1726343</a>
Ethane	U		4.07	13.0	1	08/20/2021 11:28	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 11:28	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.90	U	<del>C5 J4</del>	0.548	1.00	08/20/2021 06:47	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Benzene	0.283		0.0160	0.0400	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 06:47	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,1-Dichloroethene	0.0370	J	0.0200	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	6.92		0.0276	0.100	1	08/20/2021 06:47	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	0.101	J	0.0572	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 06:47	<a href="#">WG1725881</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/2021



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 06:47	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 06:47	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 06:47	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 06:47	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 06:47	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 06:47	WG1725881
Ethylbenzene	0.287		0.0212	0.100	1	08/20/2021 06:47	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 06:47	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 06:47	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 06:47	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 06:47	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 06:47	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 06:47	WG1725881
Methyl tert-butyl ether	0.0240	U	0.0118	0.0400	1	08/20/2021 06:47	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 06:47	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 06:47	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 06:47	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 06:47	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 06:47	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 06:47	WG1725881
Tetrachloroethene	46.4		0.0280	0.100	1	08/20/2021 06:47	WG1725881
Toluene	2.79		0.0500	0.200	1	08/20/2021 06:47	WG1725881
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/20/2021 06:47	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 06:47	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 06:47	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 06:47	WG1725881
Trichloroethene	11.5		0.0160	0.0400	1	08/20/2021 06:47	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 06:47	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 06:47	WG1725881
1,2,4-Trimethylbenzene	0.216		0.0464	0.200	1	08/20/2021 06:47	WG1725881
1,2,3-Trimethylbenzene	0.0970	U	0.0460	0.200	1	08/20/2021 06:47	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 06:47	WG1725881
Vinyl chloride	U		0.0273	0.100	1	08/20/2021 06:47	WG1725881
Xylenes, Total	1.45		0.191	0.260	1	08/20/2021 06:47	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 06:47	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 06:47	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 06:47	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 06:47	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 06:47	WG1725881
(S) Toluene-d8	106			75.0-131		08/20/2021 06:47	WG1725881
(S) 4-Bromofluorobenzene	86.4			67.0-138		08/20/2021 06:47	WG1725881
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2021 06:47	WG1725881

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/28/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	12100		594	5000	1	08/24/2021 01:27	<a href="#">WG1728045</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1660	<del>P</del>	102	1000	1	08/20/2021 16:46	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	5860		28.1	100	1	08/23/2021 12:00	<a href="#">WG1725827</a>
Manganese	809		0.704	5.00	1	08/23/2021 12:00	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	50.5		2.91	10.0	1	08/20/2021 11:31	<a href="#">WG1726343</a>
Ethane	U		4.07	13.0	1	08/20/2021 11:31	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 11:31	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.30	U <del>C5 J4</del>	0.548	1.00	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Benzene	0.0500	U	0.0160	0.0400	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 07:06	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,1-Dichloroethene	1.22		0.0200	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	8.26		0.0276	0.100	1	08/20/2021 07:06	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	0.279		0.0572	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 07:06	<a href="#">WG1725881</a>

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1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 07:06	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 07:06	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 07:06	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 07:06	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 07:06	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 07:06	WG1725881
Ethylbenzene	0.0300	U	0.0212	0.100	1	08/20/2021 07:06	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 07:06	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 07:06	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 07:06	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 07:06	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 07:06	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 07:06	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 07:06	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 07:06	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 07:06	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 07:06	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 07:06	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 07:06	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 07:06	WG1725881
Tetrachloroethene	0.0860	U	0.0280	0.100	1	08/20/2021 07:06	WG1725881
Toluene	0.351		0.0500	0.200	1	08/20/2021 07:06	WG1725881
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/20/2021 07:06	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 07:06	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 07:06	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 07:06	WG1725881
Trichloroethene	2.15		0.0160	0.0400	1	08/20/2021 07:06	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 07:06	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 07:06	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 07:06	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 07:06	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 07:06	WG1725881
Vinyl chloride	0.377		0.0273	0.100	1	08/20/2021 07:06	WG1725881
Xylenes, Total	U		0.191	0.260	1	08/20/2021 07:06	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 07:06	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 07:06	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 07:06	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 07:06	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	08/20/2021 07:06	WG1725881
(S) Toluene-d8	103			75.0-131		08/20/2021 07:06	WG1725881
(S) 4-Bromofluorobenzene	88.1			67.0-138		08/20/2021 07:06	WG1725881
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2021 07:06	WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	3180	J	594	5000	1	08/24/2021 02:07	<a href="#">WG1728045</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11400		102	1000	1	08/20/2021 17:07	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7620		28.1	100	1	08/23/2021 12:03	<a href="#">WG1725827</a>
Manganese	1230		0.704	5.00	1	08/23/2021 12:03	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8260		29.1	100	10	08/20/2021 13:34	<a href="#">WG1726832</a>
Ethane	334		4.07	13.0	1	08/20/2021 12:23	<a href="#">WG1726343</a>
Ethene	1810		4.26	13.0	1	08/20/2021 12:23	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.16	U	<del>C5 J4</del> 0.548	1.00	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Benzene	0.0410	U	0.0160	0.0400	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 07:25	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	55.3		0.0276	0.100	1	08/20/2021 07:25	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	2.51		0.0572	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 07:25	<a href="#">WG1725881</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 07:25	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 07:25	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 07:25	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 07:25	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 07:25	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 07:25	WG1725881
Ethylbenzene	U		0.0212	0.100	1	08/20/2021 07:25	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 07:25	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 07:25	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 07:25	WG1725881
2-Butanone (MEK)	3.12	J+ C5	0.500	1.00	1	08/20/2021 07:25	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 07:25	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 07:25	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 07:25	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 07:25	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 07:25	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 07:25	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 07:25	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 07:25	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 07:25	WG1725881
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 07:25	WG1725881
Toluene	0.118	U J- C4	0.0500	0.200	1	08/20/2021 07:25	WG1725881
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/20/2021 07:25	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 07:25	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 07:25	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 07:25	WG1725881
Trichloroethene	0.0450		0.0160	0.0400	1	08/20/2021 07:25	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 07:25	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 07:25	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 07:25	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 07:25	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 07:25	WG1725881
Vinyl chloride	1330		2.73	10.0	100	08/25/2021 22:46	WG1729520
Xylenes, Total	U		0.191	0.260	1	08/20/2021 07:25	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 07:25	WG1725881
Tetrahydrofuran	8.94	J+ C5	0.0900	0.500	1	08/20/2021 07:25	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 07:25	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 07:25	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 07:25	WG1725881
(S) Toluene-d8	106			75.0-131		08/20/2021 07:25	WG1725881
(S) Toluene-d8	106			75.0-131		08/25/2021 22:46	WG1729520
(S) 4-Bromofluorobenzene	88.4			67.0-138		08/20/2021 07:25	WG1725881
(S) 4-Bromofluorobenzene	92.9			67.0-138		08/25/2021 22:46	WG1729520
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/20/2021 07:25	WG1725881
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/25/2021 22:46	WG1729520

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	34200		594	5000	1	08/24/2021 02:47	<a href="#">WG1728045</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1520	<del>B</del>	102	1000	1	08/20/2021 18:07	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1600		28.1	100	1	08/23/2021 12:14	<a href="#">WG1725827</a>
Manganese	170		0.704	5.00	1	08/23/2021 12:14	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	50.1		2.91	10.0	1	08/20/2021 12:36	<a href="#">WG1726343</a>
Ethane	U		4.07	13.0	1	08/20/2021 12:36	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 12:36	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.09	U <del>C5 J4</del>	0.548	1.00	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Benzene	0.259		0.0160	0.0400	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 07:44	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	0.0580	U <del>B J</del>	0.0276	0.100	1	08/20/2021 07:44	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 07:44	<a href="#">WG1725881</a>

IC 9/28/2021

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 07:44	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 07:44	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 07:44	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 07:44	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 07:44	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 07:44	WG1725881
Ethylbenzene	0.159		0.0212	0.100	1	08/20/2021 07:44	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 07:44	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 07:44	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 07:44	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 07:44	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 07:44	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 07:44	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 07:44	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 07:44	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 07:44	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 07:44	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 07:44	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 07:44	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 07:44	WG1725881
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 07:44	WG1725881
Toluene	2.24		0.0500	0.200	1	08/20/2021 07:44	WG1725881
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/20/2021 07:44	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 07:44	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 07:44	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 07:44	WG1725881
Trichloroethene	U		0.0160	0.0400	1	08/20/2021 07:44	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 07:44	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 07:44	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 07:44	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 07:44	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 07:44	WG1725881
Vinyl chloride	U		0.0273	0.100	1	08/25/2021 23:06	WG1729520
Xylenes, Total	0.735		0.191	0.260	1	08/20/2021 07:44	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 07:44	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 07:44	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 07:44	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 07:44	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/20/2021 07:44	WG1725881
(S) Toluene-d8	104			75.0-131		08/20/2021 07:44	WG1725881
(S) Toluene-d8	104			75.0-131		08/25/2021 23:06	WG1729520
(S) 4-Bromofluorobenzene	87.9			67.0-138		08/20/2021 07:44	WG1725881
(S) 4-Bromofluorobenzene	97.7			67.0-138		08/25/2021 23:06	WG1729520
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2021 07:44	WG1725881
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/25/2021 23:06	WG1729520

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	62600		594	5000	1	08/24/2021 03:00	<a href="#">WG1728045</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2600	<del>B</del>	102	1000	1	08/20/2021 19:15	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	613		28.1	100	1	08/23/2021 12:18	<a href="#">WG1725827</a>
Manganese	41.1		0.704	5.00	1	08/23/2021 12:18	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		2.91	10.0	1	08/20/2021 12:41	<a href="#">WG1726343</a>
Ethane	U		4.07	13.0	1	08/20/2021 12:41	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 12:41	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.64	U <del>C5 J4</del>	0.548	1.00	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Benzene	0.0240	U <del>J</del>	0.0160	0.0400	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Chloroform	0.0550	J	0.0166	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 08:03	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	0.537	<del>B</del>	0.0276	0.100	1	08/20/2021 08:03	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 08:03	<a href="#">WG1725881</a>

JC 9/28/2021

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 08:03	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 08:03	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 08:03	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 08:03	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 08:03	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 08:03	WG1725881
Ethylbenzene	U		0.0212	0.100	1	08/20/2021 08:03	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 08:03	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 08:03	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 08:03	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 08:03	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 08:03	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 08:03	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 08:03	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 08:03	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 08:03	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 08:03	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 08:03	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 08:03	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 08:03	WG1725881
Tetrachloroethene	32.9		0.0280	0.100	1	08/20/2021 08:03	WG1725881
Toluene	0.129	U	0.0500	0.200	1	08/20/2021 08:03	WG1725881
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/20/2021 08:03	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 08:03	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 08:03	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 08:03	WG1725881
Trichloroethene	2.84		0.0160	0.0400	1	08/20/2021 08:03	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 08:03	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 08:03	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 08:03	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 08:03	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 08:03	WG1725881
Vinyl chloride	0.119		0.0273	0.100	1	08/25/2021 23:26	WG1729520
Xylenes, Total	U		0.191	0.260	1	08/20/2021 08:03	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 08:03	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 08:03	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 08:03	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 08:03	WG1725881
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	08/20/2021 08:03	WG1725881
(S) Toluene-d8	106			75.0-131		08/20/2021 08:03	WG1725881
(S) Toluene-d8	107			75.0-131		08/25/2021 23:26	WG1729520
(S) 4-Bromofluorobenzene	85.8			67.0-138		08/20/2021 08:03	WG1725881
(S) 4-Bromofluorobenzene	93.9			67.0-138		08/25/2021 23:26	WG1729520
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/20/2021 08:03	WG1725881
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/25/2021 23:26	WG1729520

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	15600		594	5000	1	08/24/2021 03:26	<a href="#">WG1728045</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3260	<del>B</del>	102	1000	1	08/20/2021 19:50	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		28.1	100	1	08/23/2021 12:24	<a href="#">WG1725827</a>
Manganese	647		0.704	5.00	1	08/23/2021 12:24	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1020		2.91	10.0	1	08/20/2021 12:49	<a href="#">WG1726343</a>
Ethane	U		4.07	13.0	1	08/20/2021 12:49	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 12:49	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.22	<del>U</del>	0.548	1.00	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Benzene	0.233		0.0160	0.0400	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Chloroethane	U		0.0432	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 08:41	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	0.107	<del>B</del>	0.0276	0.100	1	08/20/2021 08:41	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 08:41	<a href="#">WG1725881</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 08:41	WG1725881
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 08:41	WG1725881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 08:41	WG1725881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 08:41	WG1725881
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 08:41	WG1725881
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 08:41	WG1725881
Ethylbenzene	0.0850	<u>J</u>	0.0212	0.100	1	08/20/2021 08:41	WG1725881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 08:41	WG1725881
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 08:41	WG1725881
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 08:41	WG1725881
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 08:41	WG1725881
Methylene Chloride	U		0.265	1.00	1	08/20/2021 08:41	WG1725881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 08:41	WG1725881
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 08:41	WG1725881
Naphthalene	U		0.124	0.500	1	08/20/2021 08:41	WG1725881
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 08:41	WG1725881
Styrene	U		0.109	0.500	1	08/20/2021 08:41	WG1725881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 08:41	WG1725881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 08:41	WG1725881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 08:41	WG1725881
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 08:41	WG1725881
Toluene	1.53		0.0500	0.200	1	08/20/2021 08:41	WG1725881
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	08/20/2021 08:41	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 08:41	WG1725881
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 08:41	WG1725881
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 08:41	WG1725881
Trichloroethene	0.0780		0.0160	0.0400	1	08/20/2021 08:41	WG1725881
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 08:41	WG1725881
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 08:41	WG1725881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2021 08:41	WG1725881
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2021 08:41	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 08:41	WG1725881
Vinyl chloride	0.370		0.0273	0.100	1	08/20/2021 08:41	WG1725881
Xylenes, Total	0.356		0.191	0.260	1	08/20/2021 08:41	WG1725881
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 08:41	WG1725881
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2021 08:41	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 08:41	WG1725881
Allyl chloride	U		0.580	1.00	1	08/20/2021 08:41	WG1725881
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u> <u>C3</u>	0.0560	0.200	1	08/20/2021 08:41	WG1725881
(S) Toluene-d8	104			75.0-131		08/20/2021 08:41	WG1725881
(S) 4-Bromofluorobenzene	87.3			67.0-138		08/20/2021 08:41	WG1725881
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2021 08:41	WG1725881

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	08/24/2021 04:06	<a href="#">WG1728045</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11400		102	1000	1	08/20/2021 20:16	<a href="#">WG1726725</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9250		28.1	100	1	08/23/2021 12:27	<a href="#">WG1725827</a>
Manganese	1650		0.704	5.00	1	08/23/2021 12:27	<a href="#">WG1725827</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14400		29.1	100	10	08/20/2021 13:37	<a href="#">WG1726832</a>
Ethane	95.3		4.07	13.0	1	08/20/2021 12:53	<a href="#">WG1726343</a>
Ethene	U		4.26	13.0	1	08/20/2021 12:53	<a href="#">WG1726343</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.63	U	<del>C5 J4</del> 0.548	1.00	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Benzene	0.0910		0.0160	0.0400	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Bromoform	U		0.239	1.00	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Bromomethane	U		0.148	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Chloroethane	0.244		0.0432	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Chloroform	U		0.0166	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Chloromethane	U		0.0556	0.500	1	08/20/2021 09:00	<a href="#">WG1725881</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,2-Dichloroethane	0.113		0.0190	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
cis-1,2-Dichloroethene	2.53		0.0276	0.100	1	08/20/2021 09:00	<a href="#">WG1725881</a>
trans-1,2-Dichloroethene	3.10		0.0572	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2021 09:00	<a href="#">WG1725881</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2021 09:00	WG1725881	
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2021 09:00	WG1725881	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2021 09:00	WG1725881	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2021 09:00	WG1725881	
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2021 09:00	WG1725881	
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2021 09:00	WG1725881	
Ethylbenzene	0.0610	<u>I</u>	0.0212	0.100	1	08/20/2021 09:00	WG1725881	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2021 09:00	WG1725881	
Isopropylbenzene	U		0.0345	0.100	1	08/20/2021 09:00	WG1725881	
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2021 09:00	WG1725881	
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2021 09:00	WG1725881	
Methylene Chloride	U		0.265	1.00	1	08/20/2021 09:00	WG1725881	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2021 09:00	WG1725881	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2021 09:00	WG1725881	
Naphthalene	U		0.124	0.500	1	08/20/2021 09:00	WG1725881	
n-Propylbenzene	U		0.0472	0.200	1	08/20/2021 09:00	WG1725881	
Styrene	U		0.109	0.500	1	08/20/2021 09:00	WG1725881	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/20/2021 09:00	WG1725881	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2021 09:00	WG1725881	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2021 09:00	WG1725881	
Tetrachloroethene	U		0.0280	0.100	1	08/20/2021 09:00	WG1725881	
Toluene	0.532		0.0500	0.200	1	08/20/2021 09:00	WG1725881	
1,2,3-Trichlorobenzene	U	<u>UJ</u>	<u>C4</u>	0.0250	0.500	1	08/20/2021 09:00	WG1725881
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2021 09:00	WG1725881	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2021 09:00	WG1725881	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2021 09:00	WG1725881	
Trichloroethene	0.179		0.0160	0.0400	1	08/20/2021 09:00	WG1725881	
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2021 09:00	WG1725881	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2021 09:00	WG1725881	
1,2,4-Trimethylbenzene	0.117	<u>I</u>	<u>I</u>	0.0464	0.200	1	08/20/2021 09:00	WG1725881
1,2,3-Trimethylbenzene	0.0680	<u>I</u>	<u>I</u>	0.0460	0.200	1	08/20/2021 09:00	WG1725881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2021 09:00	WG1725881	
Vinyl chloride	1.03		0.0273	0.100	1	08/20/2021 09:00	WG1725881	
Xylenes, Total	0.409		0.191	0.260	1	08/20/2021 09:00	WG1725881	
Ethyl Ether	U		0.0170	0.100	1	08/20/2021 09:00	WG1725881	
Tetrahydrofuran	39.4	<u>J+</u>	<u>C5</u>	0.0900	0.500	1	08/20/2021 09:00	WG1725881
Iodomethane	U		0.242	0.500	1	08/20/2021 09:00	WG1725881	
Allyl chloride	U		0.580	1.00	1	08/20/2021 09:00	WG1725881	
Trans-1,4-Dichloro-2-butene	0.103	<u>J</u>	<u>C3 J</u>	0.0560	0.200	1	08/20/2021 09:00	WG1725881
(S) Toluene-d8	105				75.0-131	08/20/2021 09:00	WG1725881	
(S) 4-Bromofluorobenzene	86.1				67.0-138	08/20/2021 09:00	WG1725881	
(S) 1,2-Dichloroethane-d4	109				70.0-130	08/20/2021 09:00	WG1725881	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.01		0.548	1.00	1	08/26/2021 02:02	WG1729390
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 02:02	WG1729390
Benzene	2.15		0.0160	0.0400	1	08/26/2021 02:02	WG1729390
Bromobenzene	U		0.0420	0.500	1	08/26/2021 02:02	WG1729390
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 02:02	WG1729390
Bromoform	U		0.239	1.00	1	08/26/2021 02:02	WG1729390
Bromomethane	U		0.148	0.500	1	08/26/2021 02:02	WG1729390
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 02:02	WG1729390
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 02:02	WG1729390
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 02:02	WG1729390
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 02:02	WG1729390
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 02:02	WG1729390
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 02:02	WG1729390
Chloroethane	U		0.0432	0.200	1	08/26/2021 02:02	WG1729390
Chloroform	U		0.0166	0.100	1	08/26/2021 02:02	WG1729390
Chloromethane	U		0.0556	0.500	1	08/26/2021 02:02	WG1729390
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 02:02	WG1729390
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 02:02	WG1729390
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 02:02	WG1729390
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 02:02	WG1729390
Dibromomethane	U		0.0400	0.200	1	08/26/2021 02:02	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 02:02	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 02:02	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 02:02	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 02:02	WG1729390
1,1-Dichloroethane	0.0250	J	0.0230	0.100	1	08/26/2021 02:02	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 02:02	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 02:02	WG1729390
cis-1,2-Dichloroethene	0.281		0.0276	0.100	1	08/26/2021 02:02	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 02:02	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 02:02	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 02:02	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 02:02	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 02:02	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 02:02	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 02:02	WG1729390
Di-isopropyl ether	0.0640		0.0140	0.0400	1	08/26/2021 02:02	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 02:02	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 02:02	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 02:02	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 02:02	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 02:02	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 02:02	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 02:02	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 02:02	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 02:02	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 02:02	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 02:02	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 02:02	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 02:02	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 02:02	WG1729390
Tetrachloroethene	U		0.0280	0.100	1	08/26/2021 02:02	WG1729390
Toluene	0.0910	J	0.0500	0.200	1	08/26/2021 02:02	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 02:02	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 02:02	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 02:02	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Trichloroethene	U		0.0160	0.0400	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 02:02	<a href="#">WG1729390</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 02:02	<a href="#">WG1729390</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 02:02	<a href="#">WG1729390</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 02:02	<a href="#">WG1729390</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Vinyl chloride	7.17		0.0273	0.100	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Xylenes, Total	U		0.191	0.260	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Iodomethane	U		0.242	0.500	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Allyl chloride	U		0.580	1.00	1	08/26/2021 02:02	<a href="#">WG1729390</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 02:02	<a href="#">WG1729390</a>
(S) Toluene-d8	98.6			75.0-131		08/26/2021 02:02	<a href="#">WG1729390</a>
(S) 4-Bromofluorobenzene	96.6			67.0-138		08/26/2021 02:02	<a href="#">WG1729390</a>
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		08/26/2021 02:02	<a href="#">WG1729390</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	13100		594	5000	1	08/21/2021 01:48	<a href="#">WG1726826</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1190	<del>B</del>	102	1000	1	08/24/2021 15:30	<a href="#">WG1728343</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9700		28.1	100	1	08/24/2021 17:09	<a href="#">WG1726602</a>
Manganese	641		0.704	5.00	1	08/24/2021 17:09	<a href="#">WG1726602</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	77.9		0.287	0.678	1	08/24/2021 15:01	<a href="#">WG1728223</a>
Ethane	U		0.296	1.29	1	08/24/2021 15:01	<a href="#">WG1728223</a>
Ethene	U		0.422	1.27	1	08/24/2021 15:01	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.32		0.548	1.00	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Benzene	U		0.0160	0.0400	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 02:22	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Dibromomethane	U		0.0400	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
cis-1,2-Dichloroethene	0.0550	<u>J</u>	0.0276	0.100	1	08/26/2021 02:22	<a href="#">WG1729390</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 02:22	<a href="#">WG1729390</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 02:22	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 02:22	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 02:22	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 02:22	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 02:22	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 02:22	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 02:22	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 02:22	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 02:22	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 02:22	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 02:22	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 02:22	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 02:22	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 02:22	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 02:22	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 02:22	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 02:22	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 02:22	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 02:22	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 02:22	WG1729390
Tetrachloroethene	U		0.0280	0.100	1	08/26/2021 02:22	WG1729390
Toluene	0.0730	U	0.0500	0.200	1	08/26/2021 02:22	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 02:22	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 02:22	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 02:22	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 02:22	WG1729390
Trichloroethene	U		0.0160	0.0400	1	08/26/2021 02:22	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 02:22	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 02:22	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 02:22	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 02:22	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 02:22	WG1729390
Vinyl chloride	U		0.0273	0.100	1	08/26/2021 02:22	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 02:22	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 02:22	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 02:22	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 02:22	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 02:22	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 02:22	WG1729390
(S) Toluene-d8	100			75.0-131		08/26/2021 02:22	WG1729390
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/26/2021 02:22	WG1729390
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		08/26/2021 02:22	WG1729390

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/28/21



Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	133000		2970	25000	5	08/21/2021 16:57	<a href="#">WG1726826</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1960	<del>B</del>	102	1000	1	08/24/2021 15:56	<a href="#">WG1728343</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9550		28.1	100	1	08/24/2021 17:13	<a href="#">WG1726602</a>
Manganese	465		0.704	5.00	1	08/24/2021 17:13	<a href="#">WG1726602</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	222		0.287	0.678	1	08/24/2021 15:06	<a href="#">WG1728223</a>
Ethane	27.0		0.296	1.29	1	08/24/2021 15:06	<a href="#">WG1728223</a>
Ethene	U		0.422	1.27	1	08/24/2021 15:06	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Benzene	0.107		0.0160	0.0400	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 02:41	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Dibromomethane	U		0.0400	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,2-Dichloroethane	0.0390	J	0.0190	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,1-Dichloroethene	2.39		0.0200	0.100	1	08/26/2021 02:41	<a href="#">WG1729390</a>
cis-1,2-Dichloroethene	445		0.690	2.50	25	08/27/2021 14:48	<a href="#">WG1730210</a>
trans-1,2-Dichloroethene	1.90		0.0572	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 02:41	<a href="#">WG1729390</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 02:41	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 02:41	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 02:41	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 02:41	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 02:41	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 02:41	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 02:41	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 02:41	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 02:41	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 02:41	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 02:41	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 02:41	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 02:41	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 02:41	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 02:41	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 02:41	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 02:41	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 02:41	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 02:41	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 02:41	WG1729390
Tetrachloroethene	97.9		0.700	2.50	25	08/27/2021 14:48	WG1730210
Toluene	U		0.0500	0.200	1	08/26/2021 02:41	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 02:41	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 02:41	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 02:41	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 02:41	WG1729390
Trichloroethene	188		0.400	1.00	25	08/27/2021 14:48	WG1730210
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 02:41	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 02:41	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 02:41	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 02:41	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 02:41	WG1729390
Vinyl chloride	0.576		0.0273	0.100	1	08/26/2021 02:41	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 02:41	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 02:41	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 02:41	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 02:41	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 02:41	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 02:41	WG1729390
(S) Toluene-d8	96.2			75.0-131		08/26/2021 02:41	WG1729390
(S) Toluene-d8	115			75.0-131		08/27/2021 14:48	WG1730210
(S) 4-Bromofluorobenzene	95.3			67.0-138		08/26/2021 02:41	WG1729390
(S) 4-Bromofluorobenzene	93.5			67.0-138		08/27/2021 14:48	WG1730210
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		08/26/2021 02:41	WG1729390
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/27/2021 14:48	WG1730210

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	08/26/2021 03:00	WG1729390
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 03:00	WG1729390
Benzene	0.0630		0.0160	0.0400	1	08/26/2021 03:00	WG1729390
Bromobenzene	U		0.0420	0.500	1	08/26/2021 03:00	WG1729390
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 03:00	WG1729390
Bromoform	U		0.239	1.00	1	08/26/2021 03:00	WG1729390
Bromomethane	U		0.148	0.500	1	08/26/2021 03:00	WG1729390
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 03:00	WG1729390
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 03:00	WG1729390
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 03:00	WG1729390
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 03:00	WG1729390
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 03:00	WG1729390
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 03:00	WG1729390
Chloroethane	U		0.0432	0.200	1	08/26/2021 03:00	WG1729390
Chloroform	U		0.0166	0.100	1	08/26/2021 03:00	WG1729390
Chloromethane	U		0.0556	0.500	1	08/26/2021 03:00	WG1729390
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 03:00	WG1729390
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 03:00	WG1729390
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 03:00	WG1729390
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 03:00	WG1729390
Dibromomethane	U		0.0400	0.200	1	08/26/2021 03:00	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 03:00	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 03:00	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 03:00	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 03:00	WG1729390
1,1-Dichloroethane	0.0290	J	0.0230	0.100	1	08/26/2021 03:00	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 03:00	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 03:00	WG1729390
cis-1,2-Dichloroethene	8.63		0.0276	0.100	1	08/27/2021 13:14	WG1730210
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 03:00	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 03:00	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 03:00	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 03:00	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 03:00	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 03:00	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 03:00	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 03:00	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 03:00	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 03:00	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 03:00	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 03:00	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 03:00	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 03:00	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 03:00	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 03:00	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 03:00	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 03:00	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 03:00	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 03:00	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 03:00	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 03:00	WG1729390
Tetrachloroethene	U		0.0280	0.100	1	08/27/2021 13:14	WG1730210
Toluene	0.0860	J	0.0500	0.200	1	08/26/2021 03:00	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 03:00	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 03:00	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 03:00	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Trichloroethene	U		0.0160	0.0400	1	08/27/2021 13:14	<a href="#">WG1730210</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 03:00	<a href="#">WG1729390</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 03:00	<a href="#">WG1729390</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 03:00	<a href="#">WG1729390</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 03:00	<a href="#">WG1729390</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Vinyl chloride	0.187		0.0273	0.100	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Xylenes, Total	U		0.191	0.260	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Iodomethane	U		0.242	0.500	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Allyl chloride	U		0.580	1.00	1	08/26/2021 03:00	<a href="#">WG1729390</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 03:00	<a href="#">WG1729390</a>
(S) Toluene-d8	98.8			75.0-131		08/26/2021 03:00	<a href="#">WG1729390</a>
(S) Toluene-d8	103			75.0-131		08/27/2021 13:14	<a href="#">WG1730210</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		08/26/2021 03:00	<a href="#">WG1729390</a>
(S) 4-Bromofluorobenzene	80.9			67.0-138		08/27/2021 13:14	<a href="#">WG1730210</a>
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		08/26/2021 03:00	<a href="#">WG1729390</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/27/2021 13:14	<a href="#">WG1730210</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	145000		8450	20000	1	08/29/2021 23:40	<a href="#">WG1730961</a>

Sample Narrative:

L1393548-01 WG1730961: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	45800		379	1000	1	08/21/2021 19:51	<a href="#">WG1727241</a>
Nitrate	2570		48.0	100	1	08/21/2021 19:51	<a href="#">WG1727241</a>
Sulfate	24200		594	5000	1	08/21/2021 19:51	<a href="#">WG1727241</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2410		102	1000	1	08/25/2021 15:25	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	574		28.1	100	1	08/25/2021 00:30	<a href="#">WG1728391</a>
Manganese	34.4		0.704	5.00	1	08/25/2021 00:30	<a href="#">WG1728391</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/31/2021 00:06	<a href="#">WG1732060</a>
(S) a,a,a-Trifluorotoluene(FID)	90.9			78.0-120		08/31/2021 00:06	<a href="#">WG1732060</a>

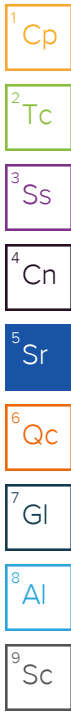
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	08/25/2021 15:25	<a href="#">WG1728224</a>
Ethane	U		0.296	1.29	1	08/25/2021 15:25	<a href="#">WG1728224</a>
Ethene	U		0.422	1.27	1	08/25/2021 15:25	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Benzene	U		0.0160	0.0400	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 03:39	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 03:39	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 03:39	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 03:39	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 03:39	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/26/2021 03:39	WG1729390
Chloroform	0.417		0.0166	0.100	1	08/26/2021 03:39	WG1729390
Chloromethane	U		0.0556	0.500	1	08/26/2021 03:39	WG1729390
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 03:39	WG1729390
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 03:39	WG1729390
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 03:39	WG1729390
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 03:39	WG1729390
Dibromomethane	U		0.0400	0.200	1	08/26/2021 03:39	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 03:39	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 03:39	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 03:39	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 03:39	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 03:39	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 03:39	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 03:39	WG1729390
cis-1,2-Dichloroethene	0.0330	U	0.0276	0.100	1	08/27/2021 13:32	WG1730210
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 03:39	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 03:39	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 03:39	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 03:39	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 03:39	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 03:39	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 03:39	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 03:39	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 03:39	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 03:39	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 03:39	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 03:39	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 03:39	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 03:39	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 03:39	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 03:39	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 03:39	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 03:39	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 03:39	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 03:39	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 03:39	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 03:39	WG1729390
Tetrachloroethene	1.65		0.0280	0.100	1	08/27/2021 13:32	WG1730210
Toluene	0.0640	U	0.0500	0.200	1	08/26/2021 03:39	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 03:39	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 03:39	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 03:39	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 03:39	WG1729390
Trichloroethene	0.0840		0.0160	0.0400	1	08/27/2021 13:32	WG1730210
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 03:39	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 03:39	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 03:39	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 03:39	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 03:39	WG1729390
Vinyl chloride	U		0.0273	0.100	1	08/26/2021 03:39	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 03:39	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 03:39	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 03:39	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 03:39	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 03:39	WG1729390

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 03:39	<a href="#">WG1729390</a>
(S) Toluene-d8	96.3			75.0-131		08/26/2021 03:39	<a href="#">WG1729390</a>
(S) Toluene-d8	114			75.0-131		08/27/2021 13:32	<a href="#">WG1730210</a>
(S) 4-Bromofluorobenzene	93.0			67.0-138		08/26/2021 03:39	<a href="#">WG1729390</a>
(S) 4-Bromofluorobenzene	92.6			67.0-138		08/27/2021 13:32	<a href="#">WG1730210</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/26/2021 03:39	<a href="#">WG1729390</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/27/2021 13:32	<a href="#">WG1730210</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	143000		8450	20000	1	08/29/2021 23:43	<a href="#">WG1730961</a>

Sample Narrative:

L1393548-02 WG1730961: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	43600		379	1000	1	08/21/2021 20:04	<a href="#">WG1727241</a>
Nitrate	2420		48.0	100	1	08/21/2021 20:04	<a href="#">WG1727241</a>
Sulfate	23000		594	5000	1	08/21/2021 20:04	<a href="#">WG1727241</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2300		102	1000	1	08/25/2021 15:54	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	609		28.1	100	1	08/25/2021 00:33	<a href="#">WG1728391</a>
Manganese	33.9		0.704	5.00	1	08/25/2021 00:33	<a href="#">WG1728391</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/31/2021 00:28	<a href="#">WG1732060</a>
(S) a,a,a-Trifluorotoluene(FID)	90.8			78.0-120		08/31/2021 00:28	<a href="#">WG1732060</a>

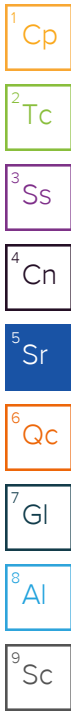
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	08/25/2021 15:31	<a href="#">WG1728224</a>
Ethane	U		0.296	1.29	1	08/25/2021 15:31	<a href="#">WG1728224</a>
Ethene	U		0.422	1.27	1	08/25/2021 15:31	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.56		0.548	1.00	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Benzene	U		0.0160	0.0400	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 03:58	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 03:58	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 03:58	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 03:58	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 03:58	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/26/2021 03:58	WG1729390
Chloroform	0.360		0.0166	0.100	1	08/26/2021 03:58	WG1729390
Chloromethane	U		0.0556	0.500	1	08/26/2021 03:58	WG1729390
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 03:58	WG1729390
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 03:58	WG1729390
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 03:58	WG1729390
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 03:58	WG1729390
Dibromomethane	U		0.0400	0.200	1	08/26/2021 03:58	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 03:58	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 03:58	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 03:58	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 03:58	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 03:58	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 03:58	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 03:58	WG1729390
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/27/2021 13:51	WG1730210
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 03:58	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 03:58	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 03:58	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 03:58	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 03:58	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 03:58	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 03:58	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 03:58	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 03:58	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 03:58	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 03:58	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 03:58	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 03:58	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 03:58	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 03:58	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 03:58	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 03:58	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 03:58	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 03:58	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 03:58	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 03:58	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 03:58	WG1729390
Tetrachloroethene	1.34		0.0280	0.100	1	08/27/2021 13:51	WG1730210
Toluene	0.0640	U	0.0500	0.200	1	08/26/2021 03:58	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 03:58	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 03:58	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 03:58	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 03:58	WG1729390
Trichloroethene	0.0780		0.0160	0.0400	1	08/27/2021 13:51	WG1730210
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 03:58	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 03:58	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 03:58	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 03:58	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 03:58	WG1729390
Vinyl chloride	U		0.0273	0.100	1	08/26/2021 03:58	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 03:58	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 03:58	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 03:58	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 03:58	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 03:58	WG1729390

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/29/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 03:58	<a href="#">WG1729390</a>
(S) Toluene-d8	98.3			75.0-131		08/26/2021 03:58	<a href="#">WG1729390</a>
(S) Toluene-d8	103			75.0-131		08/27/2021 13:51	<a href="#">WG1730210</a>
(S) 4-Bromofluorobenzene	97.1			67.0-138		08/26/2021 03:58	<a href="#">WG1729390</a>
(S) 4-Bromofluorobenzene	81.8			67.0-138		08/27/2021 13:51	<a href="#">WG1730210</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/26/2021 03:58	<a href="#">WG1729390</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/27/2021 13:51	<a href="#">WG1730210</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/29/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	60800		594	5000	1	08/28/2021 20:10	<a href="#">WG1730863</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11000		102	1000	1	08/25/2021 16:58	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7580		28.1	100	1	08/25/2021 00:36	<a href="#">WG1728391</a>
Manganese	3750		0.704	5.00	1	08/25/2021 00:36	<a href="#">WG1728391</a>

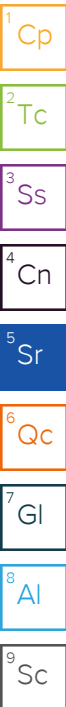
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25400		2.87	6.78	10	08/26/2021 10:06	<a href="#">WG1729824</a>
Ethane	62.0		0.296	1.29	1	08/25/2021 15:38	<a href="#">WG1728224</a>
Ethene	U		0.422	1.27	1	08/25/2021 15:38	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.92		0.548	1.00	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Benzene	0.235		0.0160	0.0400	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 04:18	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Dibromomethane	U		0.0400	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,1-Dichloroethane	0.208		0.0230	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,2-Dichloroethane	0.114		0.0190	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,1-Dichloroethene	4.04		0.0200	0.100	1	08/26/2021 04:18	<a href="#">WG1729390</a>
cis-1,2-Dichloroethene	532		1.38	5.00	50	08/27/2021 15:07	<a href="#">WG1730210</a>
trans-1,2-Dichloroethene	4.03		0.0572	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 04:18	<a href="#">WG1729390</a>

JC 9/29/2021



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 04:18	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 04:18	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 04:18	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 04:18	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 04:18	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 04:18	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 04:18	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 04:18	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 04:18	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 04:18	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 04:18	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 04:18	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 04:18	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 04:18	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 04:18	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 04:18	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 04:18	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 04:18	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 04:18	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 04:18	WG1729390
Tetrachloroethene	731		1.40	5.00	50	08/27/2021 15:07	WG1730210
Toluene	0.170	U	0.0500	0.200	1	08/26/2021 04:18	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 04:18	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 04:18	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 04:18	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 04:18	WG1729390
Trichloroethene	252		0.800	2.00	50	08/27/2021 15:07	WG1730210
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 04:18	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 04:18	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 04:18	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 04:18	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 04:18	WG1729390
Vinyl chloride	0.652		0.0273	0.100	1	08/26/2021 04:18	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 04:18	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 04:18	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 04:18	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 04:18	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 04:18	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 04:18	WG1729390
(S) Toluene-d8	98.0			75.0-131		08/26/2021 04:18	WG1729390
(S) Toluene-d8	111			75.0-131		08/27/2021 15:07	WG1730210
(S) 4-Bromofluorobenzene	92.9			67.0-138		08/26/2021 04:18	WG1729390
(S) 4-Bromofluorobenzene	91.1			67.0-138		08/27/2021 15:07	WG1730210
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/26/2021 04:18	WG1729390
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/27/2021 15:07	WG1730210

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1750	J	594	5000	1	08/28/2021 20:37	<a href="#">WG1730863</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	37800		102	1000	1	08/25/2021 17:15	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

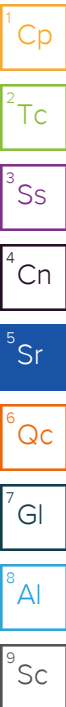
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	30600		28.1	100	1	08/25/2021 00:40	<a href="#">WG1728391</a>
Manganese	6990		0.704	5.00	1	08/25/2021 00:40	<a href="#">WG1728391</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24300		2.87	6.78	10	08/26/2021 10:09	<a href="#">WG1729824</a>
Ethane	390		0.296	1.29	1	08/25/2021 16:02	<a href="#">WG1728224</a>
Ethene	1080		0.422	1.27	1	08/25/2021 16:02	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.22	J C5	0.548	1.00	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Acrylonitrile	U	UJ	0.0760	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Benzene	0.106	J	0.0160	0.0400	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Bromobenzene	U	UJ	0.0420	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 00:53	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,2-Dichloroethane	U	UJ	0.0190	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,1-Dichloroethene	0.673	J- C3	0.0200	0.100	1	08/31/2021 00:53	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	635	J- Q	0.552	2.00	20	09/06/2021 23:31	<a href="#">WG1735346</a>
trans-1,2-Dichloroethene	5.51	J	0.0572	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>
1,2-Dichloropropane	U	UJ	0.0508	0.200	1	08/31/2021 00:53	<a href="#">WG1732068</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U	UJ	0.0280	0.100	1	08/31/2021 00:53	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 00:53	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 00:53	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 00:53	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 00:53	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 00:53	WG1732068
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 00:53	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 00:53	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 00:53	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 00:53	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 00:53	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 00:53	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 00:53	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 00:53	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 00:53	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 00:53	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 00:53	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 00:53	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 00:53	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 00:53	WG1732068
Tetrachloroethene	0.0790	J J	0.0280	0.100	1	08/31/2021 00:53	WG1732068
Toluene	0.302	J J	0.0500	0.200	1	08/31/2021 00:53	WG1732068
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/31/2021 00:53	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 00:53	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 00:53	WG1732068
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	08/31/2021 00:53	WG1732068
Trichloroethene	0.138	J	0.0160	0.0400	1	08/31/2021 00:53	WG1732068
Trichlorofluoromethane	U	UJ J3	0.0200	0.100	1	08/31/2021 00:53	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 00:53	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 00:53	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 00:53	WG1732068
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	08/31/2021 00:53	WG1732068
Vinyl chloride	1140	J- Q	0.546	2.00	20	09/06/2021 23:31	WG1735346
Xylenes, Total	U	UJ	0.191	0.260	1	08/31/2021 00:53	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 00:53	WG1732068
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 00:53	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 00:53	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 00:53	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 00:53	WG1732068
(S) Toluene-d8	112			75.0-131		08/31/2021 00:53	WG1732068
(S) Toluene-d8	99.7			75.0-131		09/06/2021 23:31	WG1735346
(S) 4-Bromofluorobenzene	94.1			67.0-138		08/31/2021 00:53	WG1732068
(S) 4-Bromofluorobenzene	90.4			67.0-138		09/06/2021 23:31	WG1735346
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/31/2021 00:53	WG1732068
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		09/06/2021 23:31	WG1735346

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13400		2.87	6.78	10	08/30/2021 18:26	<a href="#">WG1731663</a>
Ethane	57.9		2.96	12.9	10	08/30/2021 18:26	<a href="#">WG1731663</a>
Ethene	122		4.22	12.7	10	08/30/2021 18:26	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	17.9	J+ C5	0.548	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Benzene	U		0.0160	0.0400	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Chloroethane	1.92	J- C3	0.0432	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1-Dichloroethene	U	UJ C3	0.0200	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	4.46	J- Q	0.0276	0.100	1	09/06/2021 23:50	<a href="#">WG1735346</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
2-Butanone (MEK)	5.66		0.500	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Methylene Chloride	U		0.265	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Naphthalene	U		0.124	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Styrene	U		0.109	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Toluene	0.0990	J	0.0500	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Trichloroethene	U		0.0160	0.0400	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Trichlorofluoromethane	U	J3	0.0200	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Vinyl chloride	36.6	J- Q	0.0273	0.100	1	09/06/2021 23:50	<a href="#">WG1735346</a>
Xylenes, Total	U		0.191	0.260	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Tetrahydrofuran	45.6		0.0900	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Iodomethane	U		0.242	0.500	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 01:12	<a href="#">WG1732068</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 01:12	<a href="#">WG1732068</a>
(S) Toluene-d8	112			75.0-131		08/31/2021 01:12	<a href="#">WG1732068</a>
(S) Toluene-d8	100			75.0-131		09/06/2021 23:50	<a href="#">WG1735346</a>
(S) 4-Bromofluorobenzene	96.0			67.0-138		08/31/2021 01:12	<a href="#">WG1732068</a>
(S) 4-Bromofluorobenzene	91.0			67.0-138		09/06/2021 23:50	<a href="#">WG1735346</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/31/2021 01:12	<a href="#">WG1732068</a>
(S) 1,2-Dichloroethane-d4	96.0			70.0-130		09/06/2021 23:50	<a href="#">WG1735346</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	8810		594	5000	1	08/28/2021 20:50	<a href="#">WG1730863</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1140	<del>B</del>	102	1000	1	08/25/2021 17:27	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	3650		28.1	100	1	08/25/2021 00:43	<a href="#">WG1728391</a>
Manganese	351		0.704	5.00	1	08/25/2021 00:43	<a href="#">WG1728391</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	106		0.287	0.678	1	08/25/2021 16:09	<a href="#">WG1728224</a>
Ethane	U		0.296	1.29	1	08/25/2021 16:09	<a href="#">WG1728224</a>
Ethene	U		0.422	1.27	1	08/25/2021 16:09	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Benzene	U		0.0160	0.0400	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 01:31	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,1-Dichloroethene	U	UJ C3	0.0200	0.100	1	08/31/2021 01:31	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	0.135	J- Q	0.0276	0.100	1	09/07/2021 00:09	<a href="#">WG1735346</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 01:31	<a href="#">WG1732068</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 01:31	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 01:31	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 01:31	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 01:31	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 01:31	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 01:31	WG1732068
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 01:31	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 01:31	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 01:31	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 01:31	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 01:31	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 01:31	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 01:31	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 01:31	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 01:31	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 01:31	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 01:31	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 01:31	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 01:31	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 01:31	WG1732068
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 01:31	WG1732068
Toluene	0.0640	J	0.0500	0.200	1	08/31/2021 01:31	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 01:31	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 01:31	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 01:31	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 01:31	WG1732068
Trichloroethene	U		0.0160	0.0400	1	08/31/2021 01:31	WG1732068
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	08/31/2021 01:31	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 01:31	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 01:31	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 01:31	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 01:31	WG1732068
Vinyl chloride	1.02	J- Q	0.0273	0.100	1	09/07/2021 00:09	WG1735346
Xylenes, Total	U		0.191	0.260	1	08/31/2021 01:31	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 01:31	WG1732068
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 01:31	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 01:31	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 01:31	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 01:31	WG1732068
(S) Toluene-d8	109			75.0-131		08/31/2021 01:31	WG1732068
(S) Toluene-d8	101			75.0-131		09/07/2021 00:09	WG1735346
(S) 4-Bromofluorobenzene	94.3			67.0-138		08/31/2021 01:31	WG1732068
(S) 4-Bromofluorobenzene	90.6			67.0-138		09/07/2021 00:09	WG1735346
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/31/2021 01:31	WG1732068
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		09/07/2021 00:09	WG1735346

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	826	J	594	5000	1	08/28/2021 21:29	<a href="#">WG1730863</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	57300		102	1000	1	08/25/2021 18:13	<a href="#">WG1729133</a>

Metals (ICPMS) by Method 6020B

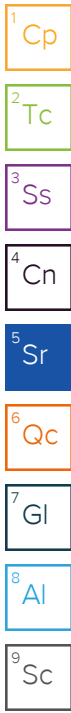
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7130		28.1	100	1	08/25/2021 00:54	<a href="#">WG1728391</a>
Manganese	1170		0.704	5.00	1	08/25/2021 00:54	<a href="#">WG1728391</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	17500		2.87	6.78	10	08/26/2021 10:18	<a href="#">WG1729824</a>
Ethane	446		0.296	1.29	1	08/25/2021 16:23	<a href="#">WG1728224</a>
Ethene	1420		0.422	1.27	1	08/25/2021 16:23	<a href="#">WG1728224</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	37.4	J+ C5	0.548	1.00	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Benzene	0.0390	J	0.0160	0.0400	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 01:50	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,1-Dichloroethene	0.0970	J C3 J	0.0200	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	24.0		0.0276	0.100	1	08/31/2021 01:50	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	1.73		0.0572	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 01:50	<a href="#">WG1732068</a>



JC 9/29/2021

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 01:50	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 01:50	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 01:50	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 01:50	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 01:50	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 01:50	WG1732068
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 01:50	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 01:50	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 01:50	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 01:50	WG1732068
2-Butanone (MEK)	39.4		0.500	1.00	1	08/31/2021 01:50	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 01:50	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 01:50	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 01:50	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 01:50	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 01:50	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 01:50	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 01:50	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 01:50	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 01:50	WG1732068
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 01:50	WG1732068
Toluene	0.108	IJ	0.0500	0.200	1	08/31/2021 01:50	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 01:50	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 01:50	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 01:50	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 01:50	WG1732068
Trichloroethene	0.0320	IJ	0.0160	0.0400	1	08/31/2021 01:50	WG1732068
Trichlorofluoromethane	U	IJ	0.0200	0.100	1	08/31/2021 01:50	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 01:50	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 01:50	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 01:50	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 01:50	WG1732068
Vinyl chloride	348	J- IQ	0.273	1.00	10	09/07/2021 00:28	WG1735346
Xylenes, Total	U		0.191	0.260	1	08/31/2021 01:50	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 01:50	WG1732068
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 01:50	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 01:50	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 01:50	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 01:50	WG1732068
(S) Toluene-d8	111			75.0-131		08/31/2021 01:50	WG1732068
(S) Toluene-d8	102			75.0-131		09/07/2021 00:28	WG1735346
(S) 4-Bromofluorobenzene	94.0			67.0-138		08/31/2021 01:50	WG1732068
(S) 4-Bromofluorobenzene	86.7			67.0-138		09/07/2021 00:28	WG1735346
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/31/2021 01:50	WG1732068
(S) 1,2-Dichloroethane-d4	102			70.0-130		09/07/2021 00:28	WG1735346

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/29/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	24900		594	5000	1	08/30/2021 21:38	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1940	<del>E</del>	102	1000	1	08/26/2021 18:04	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	723		28.1	100	1	08/26/2021 16:19	<a href="#">WG1729726</a>
Manganese	160		0.704	5.00	1	08/26/2021 16:19	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1380		0.287	0.678	1	08/30/2021 17:14	<a href="#">WG1731663</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:14	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:14	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.61	<del>E5</del>	0.548	1.00	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Benzene	0.0410		0.0160	0.0400	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Bromomethane	U	<del>UJ</del> <a href="#">C3</a>	0.148	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Chloroethane	U	<del>UJ</del> <a href="#">C3</a>	0.0432	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Chloromethane	U	<del>UJ</del> <a href="#">C3</a>	0.0556	0.500	1	08/31/2021 02:09	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	<del>UJ</del> <a href="#">C3</a>	0.0230	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,1-Dichloroethene	U	<del>UJ</del> <a href="#">C3</a>	0.0200	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/31/2021 02:09	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 02:09	<a href="#">WG1732068</a>

JC 9/28/21

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 02:09	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 02:09	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 02:09	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 02:09	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 02:09	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 02:09	WG1732068
Ethylbenzene	0.0470	U <del>C3</del>	0.0212	0.100	1	08/31/2021 02:09	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 02:09	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 02:09	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 02:09	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 02:09	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 02:09	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 02:09	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 02:09	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 02:09	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 02:09	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 02:09	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 02:09	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 02:09	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 02:09	WG1732068
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 02:09	WG1732068
Toluene	0.576		0.0500	0.200	1	08/31/2021 02:09	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 02:09	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 02:09	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 02:09	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 02:09	WG1732068
Trichloroethene	U		0.0160	0.0400	1	08/31/2021 02:09	WG1732068
Trichlorofluoromethane	U	<del>C3</del>	0.0200	0.100	1	08/31/2021 02:09	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 02:09	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 02:09	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 02:09	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 02:09	WG1732068
Vinyl chloride	U	UJ C3	0.0273	0.100	1	08/31/2021 02:09	WG1732068
Xylenes, Total	0.224	U	0.191	0.260	1	08/31/2021 02:09	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 02:09	WG1732068
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 02:09	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 02:09	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 02:09	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 02:09	WG1732068
(S) Toluene-d8	111			75.0-131		08/31/2021 02:09	WG1732068
(S) 4-Bromofluorobenzene	93.6			67.0-138		08/31/2021 02:09	WG1732068
(S) 1,2-Dichloroethane-d4	115			70.0-130		08/31/2021 02:09	WG1732068

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24200		594	5000	1	08/30/2021 22:27	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1990	<del>B</del>	102	1000	1	08/26/2021 18:32	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	884		28.1	100	1	08/26/2021 16:23	<a href="#">WG1729726</a>
Manganese	198		0.704	5.00	1	08/26/2021 16:23	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1810		0.287	0.678	1	08/30/2021 17:18	<a href="#">WG1731663</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:18	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:18	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.44	U <del>C5</del>	0.548	1.00	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Benzene	0.0400	J	0.0160	0.0400	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Bromomethane	U	UJ <del>C3</del>	0.148	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Chloroethane	U	UJ <del>C3</del>	0.0432	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Chloromethane	U	UJ <del>C3</del>	0.0556	0.500	1	08/31/2021 02:28	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ <del>C3</del>	0.0230	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,1-Dichloroethene	U	UJ <del>C3</del>	0.0200	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/31/2021 02:28	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 02:28	<a href="#">WG1732068</a>

IC 9/28/21

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 02:28	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 02:28	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 02:28	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 02:28	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 02:28	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 02:28	WG1732068
Ethylbenzene	0.0460	U C3	0.0212	0.100	1	08/31/2021 02:28	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 02:28	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 02:28	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 02:28	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 02:28	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 02:28	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 02:28	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 02:28	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 02:28	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 02:28	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 02:28	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 02:28	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 02:28	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 02:28	WG1732068
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 02:28	WG1732068
Toluene	0.570		0.0500	0.200	1	08/31/2021 02:28	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 02:28	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 02:28	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 02:28	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 02:28	WG1732068
Trichloroethene	U		0.0160	0.0400	1	08/31/2021 02:28	WG1732068
Trichlorofluoromethane	U	<del>C3</del>	0.0200	0.100	1	08/31/2021 02:28	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 02:28	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 02:28	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 02:28	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 02:28	WG1732068
Vinyl chloride	U	UJ C3	0.0273	0.100	1	08/31/2021 02:28	WG1732068
Xylenes, Total	0.210	U	0.191	0.260	1	08/31/2021 02:28	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 02:28	WG1732068
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 02:28	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 02:28	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 02:28	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 02:28	WG1732068
(S) Toluene-d8	112			75.0-131		08/31/2021 02:28	WG1732068
(S) 4-Bromofluorobenzene	94.5			67.0-138		08/31/2021 02:28	WG1732068
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/31/2021 02:28	WG1732068

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4320	J	594	5000	1	08/30/2021 16:59	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5070		102	1000	1	08/26/2021 18:45	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6160		28.1	100	1	08/26/2021 16:26	<a href="#">WG1729726</a>
Manganese	2190		0.704	5.00	1	08/26/2021 16:26	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	46100		2.87	6.78	10	08/31/2021 11:24	<a href="#">WG1732176</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:21	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:21	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Benzene	U		0.0160	0.0400	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 02:46	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,1-Dichloroethene	U	UJ C3	0.0200	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	0.378		0.0276	0.100	1	08/31/2021 02:46	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 02:46	<a href="#">WG1732068</a>



JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 02:46	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 02:46	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 02:46	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 02:46	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 02:46	WG1732068
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 02:46	WG1732068
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 02:46	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 02:46	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 02:46	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 02:46	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 02:46	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 02:46	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 02:46	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 02:46	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 02:46	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 02:46	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 02:46	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 02:46	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 02:46	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 02:46	WG1732068
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 02:46	WG1732068
Toluene	1.32		0.0500	0.200	1	08/31/2021 02:46	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 02:46	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 02:46	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 02:46	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 02:46	WG1732068
Trichloroethene	0.134		0.0160	0.0400	1	08/31/2021 02:46	WG1732068
Trichlorofluoromethane	U	IS	0.0200	0.100	1	08/31/2021 02:46	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 02:46	WG1732068
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 02:46	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 02:46	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 02:46	WG1732068
Vinyl chloride	2.33	J- C3	0.0273	0.100	1	08/31/2021 02:46	WG1732068
Xylenes, Total	U		0.191	0.260	1	08/31/2021 02:46	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 02:46	WG1732068
Tetrahydrofuran	12.1		0.0900	0.500	1	08/31/2021 02:46	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 02:46	WG1732068
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 02:46	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 02:46	WG1732068
(S) Toluene-d8	112			75.0-131		08/31/2021 02:46	WG1732068
(S) 4-Bromofluorobenzene	94.1			67.0-138		08/31/2021 02:46	WG1732068
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/31/2021 02:46	WG1732068

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	8200		594	5000	1	08/30/2021 17:48	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2030	<u>B</u>	102	1000	1	08/26/2021 18:58	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	316		28.1	100	1	08/26/2021 16:30	<a href="#">WG1729726</a>
Manganese	651		0.704	5.00	1	08/26/2021 16:30	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	200		0.287	0.678	1	08/30/2021 17:28	<a href="#">WG1731663</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:28	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:28	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.53	U <del>C5</del>	0.548	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Benzene	U		0.0160	0.0400	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Bromomethane	U	UJ <u>C3</u>	0.148	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Chloroethane	0.447	J- <u>C3</u>	0.0432	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Chloromethane	U	UJ <u>C3</u>	0.0556	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ <u>C3</u>	0.0230	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1-Dichloroethene	1.75	J- <u>C3</u>	0.0200	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	53.8		0.0276	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	0.736		0.0572	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Ethylbenzene	U		0.0212	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Methylene Chloride	U		0.265	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Naphthalene	U		0.124	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Styrene	U		0.109	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Tetrachloroethene	1.72		0.0280	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Toluene	U		0.0500	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Trichloroethene	10.3		0.0160	0.0400	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Trichlorofluoromethane	U	J3	0.0200	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Vinyl chloride	3.51	J- C3	0.0273	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Xylenes, Total	U		0.191	0.260	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Iodomethane	U		0.242	0.500	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 03:05	<a href="#">WG1732068</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 03:05	<a href="#">WG1732068</a>
(S) Toluene-d8	114			75.0-131		08/31/2021 03:05	<a href="#">WG1732068</a>
(S) 4-Bromofluorobenzene	93.4			67.0-138		08/31/2021 03:05	<a href="#">WG1732068</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/31/2021 03:05	<a href="#">WG1732068</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	2680	J	594	5000	1	08/30/2021 18:05	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1290	B	102	1000	1	08/26/2021 19:10	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	21800		28.1	100	1	08/26/2021 16:33	<a href="#">WG1729726</a>
Manganese	661		0.704	5.00	1	08/26/2021 16:33	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	288		0.287	0.678	1	08/30/2021 17:38	<a href="#">WG1731663</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:38	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:38	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.67	U <del>C5</del>	0.548	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Benzene	0.0260	J	0.0160	0.0400	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ C3	0.0230	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1-Dichloroethene	0.0340	J C3 J	0.0200	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	2.65		0.0276	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/28/21

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Di-isopropyl ether	U	UJ C3	0.0140	0.0400	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Ethylbenzene	0.0470	U J	0.0212	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Methylene Chloride	U		0.265	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Naphthalene	U		0.124	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Styrene	U		0.109	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Tetrachloroethene	U		0.0280	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Toluene	0.478		0.0500	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Trichloroethene	0.117		0.0160	0.0400	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Trichlorofluoromethane	U	J3	0.0200	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Vinyl chloride	1.30	J- C3	0.0273	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Xylenes, Total	0.214	J	0.191	0.260	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Iodomethane	U		0.242	0.500	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Allyl chloride	U	UJ C3	0.580	1.00	1	08/31/2021 03:24	<a href="#">WG1732068</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	08/31/2021 03:24	<a href="#">WG1732068</a>
(S) Toluene-d8	111			75.0-131		08/31/2021 03:24	<a href="#">WG1732068</a>
(S) 4-Bromofluorobenzene	94.7			67.0-138		08/31/2021 03:24	<a href="#">WG1732068</a>
(S) 1,2-Dichloroethane-d4	117			70.0-130		08/31/2021 03:24	<a href="#">WG1732068</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	5440		594	5000	1	08/30/2021 19:27	<a href="#">WG1731690</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2260		102	1000	1	08/26/2021 19:35	<a href="#">WG1729958</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2960		28.1	100	1	08/26/2021 14:51	<a href="#">WG1729726</a>
Manganese	510	<del>V</del>	0.704	5.00	1	08/26/2021 14:51	<a href="#">WG1729726</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	198		0.287	0.678	1	08/30/2021 17:49	<a href="#">WG1731663</a>
Ethane	U		0.296	1.29	1	08/30/2021 17:49	<a href="#">WG1731663</a>
Ethene	U		0.422	1.27	1	08/30/2021 17:49	<a href="#">WG1731663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.29	U <u>C5</u>	0.548	1.00	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Acrylonitrile	U		0.0760	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Benzene	U		0.0160	0.0400	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Bromobenzene	U		0.0420	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Bromodichloromethane	U		0.0315	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Bromoform	U		0.239	1.00	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Bromomethane	U	UJ <u>C3</u>	0.148	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
n-Butylbenzene	U		0.153	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
sec-Butylbenzene	U		0.101	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Chlorobenzene	U		0.0229	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Chloroethane	0.241	J- <u>C3</u>	0.0432	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Chloroform	U		0.0166	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Chloromethane	U	UJ <u>C3</u>	0.0556	0.500	1	08/31/2021 04:02	<a href="#">WG1732068</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Dibromomethane	U		0.0400	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,1-Dichloroethane	U	UJ <u>C3</u>	0.0230	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,1-Dichloroethene	1.26	J- <u>C3</u>	0.0200	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
cis-1,2-Dichloroethene	41.5		0.0276	0.100	1	08/31/2021 04:02	<a href="#">WG1732068</a>
trans-1,2-Dichloroethene	0.871		0.0572	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/31/2021 04:02	<a href="#">WG1732068</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/31/2021 04:02	WG1732068
1,3-Dichloropropane	U		0.0700	0.200	1	08/31/2021 04:02	WG1732068
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/31/2021 04:02	WG1732068
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/31/2021 04:02	WG1732068
2,2-Dichloropropane	U		0.0317	0.100	1	08/31/2021 04:02	WG1732068
Di-isopropyl ether	U	UJ	0.0140	0.0400	1	08/31/2021 04:02	WG1732068
Ethylbenzene	0.0900	U	0.0212	0.100	1	08/31/2021 04:02	WG1732068
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/31/2021 04:02	WG1732068
Isopropylbenzene	U		0.0345	0.100	1	08/31/2021 04:02	WG1732068
p-Isopropyltoluene	U		0.0932	0.200	1	08/31/2021 04:02	WG1732068
2-Butanone (MEK)	U		0.500	1.00	1	08/31/2021 04:02	WG1732068
Methylene Chloride	U		0.265	1.00	1	08/31/2021 04:02	WG1732068
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/31/2021 04:02	WG1732068
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/31/2021 04:02	WG1732068
Naphthalene	U		0.124	0.500	1	08/31/2021 04:02	WG1732068
n-Propylbenzene	U		0.0472	0.200	1	08/31/2021 04:02	WG1732068
Styrene	U		0.109	0.500	1	08/31/2021 04:02	WG1732068
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/31/2021 04:02	WG1732068
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/31/2021 04:02	WG1732068
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	08/31/2021 04:02	WG1732068
Tetrachloroethene	0.144		0.0280	0.100	1	08/31/2021 04:02	WG1732068
Toluene	0.532		0.0500	0.200	1	08/31/2021 04:02	WG1732068
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/31/2021 04:02	WG1732068
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/31/2021 04:02	WG1732068
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/31/2021 04:02	WG1732068
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/31/2021 04:02	WG1732068
Trichloroethene	3.86		0.0160	0.0400	1	08/31/2021 04:02	WG1732068
Trichlorofluoromethane	U		0.0200	0.100	1	08/31/2021 04:02	WG1732068
1,2,3-Trichloropropane	U		0.204	0.500	1	08/31/2021 04:02	WG1732068
1,2,4-Trimethylbenzene	0.118		0.0464	0.200	1	08/31/2021 04:02	WG1732068
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/31/2021 04:02	WG1732068
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/31/2021 04:02	WG1732068
Vinyl chloride	14.2	J-	0.0273	0.100	1	08/31/2021 04:02	WG1732068
Xylenes, Total	0.588		0.191	0.260	1	08/31/2021 04:02	WG1732068
Ethyl Ether	U		0.0170	0.100	1	08/31/2021 04:02	WG1732068
Tetrahydrofuran	2.09		0.0900	0.500	1	08/31/2021 04:02	WG1732068
Iodomethane	U		0.242	0.500	1	08/31/2021 04:02	WG1732068
Allyl chloride	U	UJ	0.580	1.00	1	08/31/2021 04:02	WG1732068
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	08/31/2021 04:02	WG1732068
(S) Toluene-d8	114			75.0-131		08/31/2021 04:02	WG1732068
(S) 4-Bromofluorobenzene	90.4			67.0-138		08/31/2021 04:02	WG1732068
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/31/2021 04:02	WG1732068

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/28/21



## MEMORANDUM

**TO:** Project File **DATE:** September 15, 2021  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413.001.02.501I  
**TASK:** EIM Data Validation Level EPA2A for Mercer – 2021 Q3 Groundwater Samples  
**LAB:** Pace Sample Delivery Group (SDGs): L1392302, L1392298, and L1392900

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Eleven groundwater samples (including a field duplicate) and one trip blank were collected August 18-19, 2021, from monitoring wells associated with the remedial investigation addendum investigation on SDOT Mercer Parcels in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

The quality assurance review of the laboratory data associated with SDGs L1392302, L1392298, and L1392900 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

The sample was collected and analyzed as requested.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

The samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

The samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), and nitrate (48 hours), and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable. Pace's case narrative and sample narrative notes do not indicate any issues with calibration.

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs).

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*Metals and General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. Metals are not detected in the method blanks and general chemistry blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1392298	WG1727289	9060A	TOC	232	J	1000	µg/L	NO
L1392298	WG1727781	9060A	TOC	291	J	1000	µg/L	NO
L1392302	WG1727289	9060A	TOC	232	J	1000	µg/L	NO
L1392900	WG1727789	9060A	TOC	529	J	1000	µg/L	NO

The target analyte (TOC) was detected in the method blanks at low levels. No action is taken on this basis.

**Trip Blank Results**

*USEPA Method 8260D:*

A trip blank (TB-081821 – SDG L1392298) was collected and submitted. The target analytes are not detected in the trip blank at or above the RDLs.

**Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

Field, rinsate, and/or equipment blanks were not collected.

**Field Duplicate Analyses**

A field duplicate pair was submitted and analyzed. Field duplicate sample pair is as follows:

- SDG L1392900: Sample MW-348-081921 and field duplicate MW-954-081921. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair with the following exception:
  - Field duplicate results for iron are not comparable and greater than 30% RPD.  
**Iron field duplicate results are qualified as estimated (J).**

**Laboratory Duplicate Analyses**

*USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on non-client samples within the analytical batch. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

*USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

**Surrogate Recoveries**

*USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

**Laboratory Control Samples**

*USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compounds (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on a non-client sample. In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD and laboratory duplicate data for accuracy and precision data. The MS/MSD RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDG L1392900: MS/MSD analyses were performed on a non-client sample within the analytical batch (WG1728223). MS/MSD % Rs are laboratory qualified due to high sample concentration four times greater than the spike amount or high recoveries. No action is taken since the matrix spike was performed on a non-client sample.

*USEPA Method 6020B:*

MS/MSD analyses were performed on non-client samples within the analytical batches. The MS/MSD % Rs and RPD are acceptable and within laboratory control limit criteria for water.

*General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):*

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDGs L1392298 and L1392302: Three sets of MS/MSD analyses were performed on non-client samples within the analytical batch (WG1725975). Results are laboratory qualified due to low matrix spike recovery, matrix interference, or elevated concentrations. No action is taken since the spikes were performed on non-client samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for this SDG was provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	335000		8450	20000	1	08/26/2021 19:06	<a href="#">WG1728747</a>

Sample Narrative:

L1392298-01 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	37900		379	1000	1	08/19/2021 20:11	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 20:11	<a href="#">WG1725975</a>
Sulfate	27900		594	5000	1	08/19/2021 20:11	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2110	<del>B</del>	102	1000	1	08/23/2021 20:56	<a href="#">WG1727781</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	409		28.1	100	1	08/24/2021 15:00	<a href="#">WG1726248</a>
Manganese	775		0.704	5.00	1	08/24/2021 15:00	<a href="#">WG1726248</a>

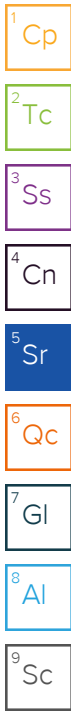
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2530		0.287	0.678	1	08/20/2021 09:50	<a href="#">WG1726340</a>
Ethane	U		0.296	1.29	1	08/20/2021 09:50	<a href="#">WG1726340</a>
Ethene	189		0.422	1.27	1	08/20/2021 09:50	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		274	500	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Acrylonitrile	U		38.0	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Benzene	U		8.00	20.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Bromobenzene	U		21.0	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Bromodichloromethane	U		15.8	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Bromoform	U		120	500	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Bromomethane	U		74.0	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
n-Butylbenzene	U		76.5	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
sec-Butylbenzene	U		50.5	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
tert-Butylbenzene	U		31.0	100	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Carbon tetrachloride	U		21.6	100	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Chlorobenzene	U		11.5	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Chlorodibromomethane	U		9.00	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Chloroethane	U		21.6	100	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Chloroform	U		8.30	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
Chloromethane	U		27.8	250	500	08/26/2021 04:37	<a href="#">WG1729390</a>
2-Chlorotoluene	U		18.4	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>
4-Chlorotoluene	U		22.6	100	500	08/26/2021 04:37	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		102	500	500	08/26/2021 04:37	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		10.5	50.0	500	08/26/2021 04:37	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		20.0	100	500	08/26/2021 04:37	WG1729390
1,2-Dichlorobenzene	U		29.0	100	500	08/26/2021 04:37	WG1729390
1,3-Dichlorobenzene	U		34.0	100	500	08/26/2021 04:37	WG1729390
1,4-Dichlorobenzene	U		39.4	100	500	08/26/2021 04:37	WG1729390
Dichlorodifluoromethane	U		16.4	50.0	500	08/26/2021 04:37	WG1729390
1,1-Dichloroethane	U		11.5	50.0	500	08/26/2021 04:37	WG1729390
1,2-Dichloroethane	U		9.50	50.0	500	08/26/2021 04:37	WG1729390
1,1-Dichloroethene	U		10.0	50.0	500	08/26/2021 04:37	WG1729390
cis-1,2-Dichloroethene	4660		13.8	50.0	500	08/26/2021 04:37	WG1729390
trans-1,2-Dichloroethene	U		28.6	100	500	08/26/2021 04:37	WG1729390
1,2-Dichloropropane	U		25.4	100	500	08/26/2021 04:37	WG1729390
1,1-Dichloropropene	U		14.0	50.0	500	08/26/2021 04:37	WG1729390
1,3-Dichloropropane	U		35.0	100	500	08/26/2021 04:37	WG1729390
cis-1,3-Dichloropropene	U		13.6	50.0	500	08/26/2021 04:37	WG1729390
trans-1,3-Dichloropropene	U		30.6	100	500	08/26/2021 04:37	WG1729390
2,2-Dichloropropane	U		15.9	50.0	500	08/26/2021 04:37	WG1729390
Di-isopropyl ether	U		7.00	20.0	500	08/26/2021 04:37	WG1729390
Ethylbenzene	U		10.6	50.0	500	08/26/2021 04:37	WG1729390
Hexachloro-1,3-butadiene	U		254	500	500	08/26/2021 04:37	WG1729390
Isopropylbenzene	U		17.2	50.0	500	08/26/2021 04:37	WG1729390
p-Isopropyltoluene	U		46.6	100	500	08/26/2021 04:37	WG1729390
2-Butanone (MEK)	U		250	500	500	08/26/2021 04:37	WG1729390
Methylene Chloride	U		133	500	500	08/26/2021 04:37	WG1729390
4-Methyl-2-pentanone (MIBK)	U		200	500	500	08/26/2021 04:37	WG1729390
Methyl tert-butyl ether	U		5.90	20.0	500	08/26/2021 04:37	WG1729390
Naphthalene	U		62.0	250	500	08/26/2021 04:37	WG1729390
n-Propylbenzene	U		23.6	100	500	08/26/2021 04:37	WG1729390
Styrene	U		54.5	250	500	08/26/2021 04:37	WG1729390
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	08/26/2021 04:37	WG1729390
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	08/26/2021 04:37	WG1729390
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	08/26/2021 04:37	WG1729390
Tetrachloroethene	U		14.0	50.0	500	08/27/2021 14:10	WG1730210
Toluene	U		25.0	100	500	08/26/2021 04:37	WG1729390
1,2,3-Trichlorobenzene	U		12.5	250	500	08/26/2021 04:37	WG1729390
1,2,4-Trichlorobenzene	U		96.5	250	500	08/26/2021 04:37	WG1729390
1,1,1-Trichloroethane	U		5.50	50.0	500	08/26/2021 04:37	WG1729390
1,1,2-Trichloroethane	U		17.7	50.0	500	08/26/2021 04:37	WG1729390
Trichloroethene	17.5	U	8.00	20.0	500	08/27/2021 14:10	WG1730210
Trichlorofluoromethane	U		10.0	50.0	500	08/26/2021 04:37	WG1729390
1,2,3-Trichloropropane	U		102	250	500	08/26/2021 04:37	WG1729390
1,2,4-Trimethylbenzene	U		23.2	100	500	08/26/2021 04:37	WG1729390
1,2,3-Trimethylbenzene	U		23.0	100	500	08/26/2021 04:37	WG1729390
1,3,5-Trimethylbenzene	U		21.6	100	500	08/26/2021 04:37	WG1729390
Vinyl chloride	3980		13.6	50.0	500	08/26/2021 04:37	WG1729390
Xylenes, Total	U		95.5	130	500	08/26/2021 04:37	WG1729390
Ethyl Ether	U		8.50	50.0	500	08/26/2021 04:37	WG1729390
Tetrahydrofuran	U		45.0	250	500	08/26/2021 04:37	WG1729390
Iodomethane	U		121	250	500	08/26/2021 04:37	WG1729390
Allyl chloride	U		290	500	500	08/26/2021 04:37	WG1729390
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	08/26/2021 04:37	WG1729390
(S) Toluene-d8	98.1			75.0-131		08/26/2021 04:37	WG1729390
(S) Toluene-d8	114			75.0-131		08/27/2021 14:10	WG1730210
(S) 4-Bromofluorobenzene	95.5			67.0-138		08/26/2021 04:37	WG1729390
(S) 4-Bromofluorobenzene	99.2			67.0-138		08/27/2021 14:10	WG1730210
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/26/2021 04:37	WG1729390
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/27/2021 14:10	WG1730210

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1392298-01 WG1729390: Target compounds too high to run at a lower dilution.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	260000		8450	20000	1	08/26/2021 19:09	<a href="#">WG1728747</a>

Sample Narrative:

L1392298-02 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	21900		379	1000	1	08/19/2021 20:26	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 20:26	<a href="#">WG1725975</a>
Sulfate	41000		594	5000	1	08/19/2021 20:26	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1060	<u>B</u>	102	1000	1	08/23/2021 20:43	<a href="#">WG1727781</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2060		28.1	100	1	08/24/2021 15:04	<a href="#">WG1726248</a>
Manganese	765		0.704	5.00	1	08/24/2021 15:04	<a href="#">WG1726248</a>

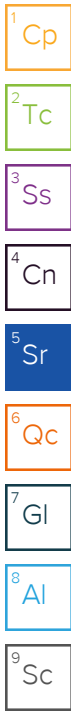
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	153		0.287	0.678	1	08/20/2021 09:55	<a href="#">WG1726340</a>
Ethane	U		0.296	1.29	1	08/20/2021 09:55	<a href="#">WG1726340</a>
Ethene	7.66		0.422	1.27	1	08/20/2021 09:55	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Benzene	0.0510		0.0160	0.0400	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 05:16	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 05:16	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 05:16	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 05:16	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 05:16	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 05:16	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 05:16	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 05:16	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 05:16	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 05:16	WG1729390
1,2-Dichloroethane	0.154		0.0190	0.100	1	08/26/2021 05:16	WG1729390
1,1-Dichloroethene	0.100	U	0.0200	0.100	1	08/26/2021 05:16	WG1729390
cis-1,2-Dichloroethene	50.5		0.0276	0.100	1	08/26/2021 05:16	WG1729390
trans-1,2-Dichloroethene	0.0840	U	0.0572	0.200	1	08/26/2021 05:16	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 05:16	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 05:16	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 05:16	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 05:16	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 05:16	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 05:16	WG1729390
Di-isopropyl ether	0.173		0.0140	0.0400	1	08/26/2021 05:16	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 05:16	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 05:16	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 05:16	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 05:16	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 05:16	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 05:16	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 05:16	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 05:16	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 05:16	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 05:16	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 05:16	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 05:16	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 05:16	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 05:16	WG1729390
Tetrachloroethene	0.100	U	0.0280	0.100	1	08/27/2021 12:55	WG1730210
Toluene	U		0.0500	0.200	1	08/26/2021 05:16	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 05:16	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 05:16	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 05:16	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 05:16	WG1729390
Trichloroethene	0.709		0.0160	0.0400	1	08/26/2021 05:16	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 05:16	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 05:16	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 05:16	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 05:16	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 05:16	WG1729390
Vinyl chloride	84.6		0.0273	0.100	1	08/26/2021 05:16	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 05:16	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 05:16	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 05:16	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 05:16	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 05:16	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 05:16	WG1729390
(S) Toluene-d8	95.9			75.0-131		08/26/2021 05:16	WG1729390
(S) Toluene-d8	115			75.0-131		08/27/2021 12:55	WG1730210
(S) 4-Bromofluorobenzene	95.2			67.0-138		08/26/2021 05:16	WG1729390
(S) 4-Bromofluorobenzene	99.4			67.0-138		08/27/2021 12:55	WG1730210
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/26/2021 05:16	WG1729390
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/27/2021 12:55	WG1730210

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1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	280000		8450	20000	1	08/26/2021 19:13	<a href="#">WG1728747</a>

Sample Narrative:

L1392298-03 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	27600		379	1000	1	08/19/2021 21:11	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 21:11	<a href="#">WG1725975</a>
Sulfate	32300		594	5000	1	08/19/2021 21:11	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1870	<u>B</u>	102	1000	1	08/21/2021 21:23	<a href="#">WG1727289</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	682		28.1	100	1	08/24/2021 15:07	<a href="#">WG1726248</a>
Manganese	578		0.704	5.00	1	08/24/2021 15:07	<a href="#">WG1726248</a>

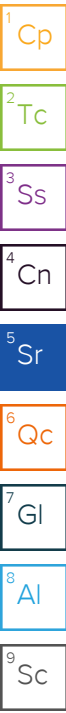
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2550		0.287	0.678	1	08/20/2021 09:59	<a href="#">WG1726340</a>
Ethane	U		0.296	1.29	1	08/20/2021 09:59	<a href="#">WG1726340</a>
Ethene	122		0.422	1.27	1	08/20/2021 09:59	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Acrylonitrile	U		7.60	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Benzene	U		1.60	4.00	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Bromobenzene	U		4.20	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Bromodichloromethane	U		3.15	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Bromoform	U		23.9	100	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Bromomethane	U		14.8	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
n-Butylbenzene	U		15.3	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
sec-Butylbenzene	U		10.1	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
tert-Butylbenzene	U		6.20	20.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Carbon tetrachloride	U		4.32	20.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Chlorobenzene	U		2.29	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Chlorodibromomethane	U		1.80	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Chloroethane	U		4.32	20.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Chloroform	U		1.66	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
Chloromethane	U		5.56	50.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
2-Chlorotoluene	U		3.68	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
4-Chlorotoluene	U		4.52	20.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/26/2021 04:56	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		2.10	10.0	100	08/26/2021 04:56	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		4.00	20.0	100	08/26/2021 04:56	WG1729390
1,2-Dichlorobenzene	U		5.80	20.0	100	08/26/2021 04:56	WG1729390
1,3-Dichlorobenzene	U		6.80	20.0	100	08/26/2021 04:56	WG1729390
1,4-Dichlorobenzene	U		7.88	20.0	100	08/26/2021 04:56	WG1729390
Dichlorodifluoromethane	U		3.27	10.0	100	08/26/2021 04:56	WG1729390
1,1-Dichloroethane	U		2.30	10.0	100	08/26/2021 04:56	WG1729390
1,2-Dichloroethane	U		1.90	10.0	100	08/26/2021 04:56	WG1729390
1,1-Dichloroethene	4.70	U	2.00	10.0	100	08/26/2021 04:56	WG1729390
cis-1,2-Dichloroethene	2990		2.76	10.0	100	08/26/2021 04:56	WG1729390
trans-1,2-Dichloroethene	6.20	U	5.72	20.0	100	08/26/2021 04:56	WG1729390
1,2-Dichloropropane	U		5.08	20.0	100	08/26/2021 04:56	WG1729390
1,1-Dichloropropene	U		2.80	10.0	100	08/26/2021 04:56	WG1729390
1,3-Dichloropropane	U		7.00	20.0	100	08/26/2021 04:56	WG1729390
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/26/2021 04:56	WG1729390
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/26/2021 04:56	WG1729390
2,2-Dichloropropane	U		3.17	10.0	100	08/26/2021 04:56	WG1729390
Di-isopropyl ether	U		1.40	4.00	100	08/26/2021 04:56	WG1729390
Ethylbenzene	U		2.12	10.0	100	08/26/2021 04:56	WG1729390
Hexachloro-1,3-butadiene	U		50.8	100	100	08/26/2021 04:56	WG1729390
Isopropylbenzene	U		3.45	10.0	100	08/26/2021 04:56	WG1729390
p-Isopropyltoluene	U		9.32	20.0	100	08/26/2021 04:56	WG1729390
2-Butanone (MEK)	U		50.0	100	100	08/26/2021 04:56	WG1729390
Methylene Chloride	U		26.5	100	100	08/26/2021 04:56	WG1729390
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/26/2021 04:56	WG1729390
Methyl tert-butyl ether	U		1.18	4.00	100	08/26/2021 04:56	WG1729390
Naphthalene	U		12.4	50.0	100	08/26/2021 04:56	WG1729390
n-Propylbenzene	U		4.72	20.0	100	08/26/2021 04:56	WG1729390
Styrene	U		10.9	50.0	100	08/26/2021 04:56	WG1729390
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/26/2021 04:56	WG1729390
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/26/2021 04:56	WG1729390
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/26/2021 04:56	WG1729390
Tetrachloroethene	16.4		2.80	10.0	100	08/27/2021 14:29	WG1730210
Toluene	U		5.00	20.0	100	08/26/2021 04:56	WG1729390
1,2,3-Trichlorobenzene	U		2.50	50.0	100	08/26/2021 04:56	WG1729390
1,2,4-Trichlorobenzene	U		19.3	50.0	100	08/26/2021 04:56	WG1729390
1,1,1-Trichloroethane	U		1.10	10.0	100	08/26/2021 04:56	WG1729390
1,1,2-Trichloroethane	U		3.53	10.0	100	08/26/2021 04:56	WG1729390
Trichloroethene	87.8		1.60	4.00	100	08/26/2021 04:56	WG1729390
Trichlorofluoromethane	U		2.00	10.0	100	08/26/2021 04:56	WG1729390
1,2,3-Trichloropropane	U		20.4	50.0	100	08/26/2021 04:56	WG1729390
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/26/2021 04:56	WG1729390
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/26/2021 04:56	WG1729390
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/26/2021 04:56	WG1729390
Vinyl chloride	1030		2.73	10.0	100	08/26/2021 04:56	WG1729390
Xylenes, Total	U		19.1	26.0	100	08/26/2021 04:56	WG1729390
Ethyl Ether	U		1.70	10.0	100	08/26/2021 04:56	WG1729390
Tetrahydrofuran	U		9.00	50.0	100	08/26/2021 04:56	WG1729390
Iodomethane	U		24.2	50.0	100	08/26/2021 04:56	WG1729390
Allyl chloride	U		58.0	100	100	08/26/2021 04:56	WG1729390
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/26/2021 04:56	WG1729390
(S) Toluene-d8	98.2			75.0-131		08/26/2021 04:56	WG1729390
(S) Toluene-d8	114			75.0-131		08/27/2021 14:29	WG1730210
(S) 4-Bromofluorobenzene	95.2			67.0-138		08/26/2021 04:56	WG1729390
(S) 4-Bromofluorobenzene	92.1			67.0-138		08/27/2021 14:29	WG1730210
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/26/2021 04:56	WG1729390
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/27/2021 14:29	WG1730210

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- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1392298-03 WG1729390: Target compounds too high to run at a lower dilution.

- <sup>1</sup>Cp
- <sup>2</sup>Tc
- <sup>3</sup>Ss
- <sup>4</sup>Cn
- <sup>5</sup>Sr
- <sup>6</sup>Qc
- <sup>7</sup>Gl
- <sup>8</sup>Al
- <sup>9</sup>Sc

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## Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	274000		8450	20000	1	08/26/2021 19:24	<a href="#">WG1728747</a>

## Sample Narrative:

L1392298-04 WG1728747: Endpoint pH 4.5 Headspace

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	13700		379	1000	1	08/19/2021 21:26	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 21:26	<a href="#">WG1725975</a>
Sulfate	21000		594	5000	1	08/19/2021 21:26	<a href="#">WG1725975</a>

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2190	<b>E</b>	102	1000	1	08/21/2021 21:49	<a href="#">WG1727289</a>

## Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1540		28.1	100	1	08/24/2021 15:26	<a href="#">WG1726248</a>
Manganese	318		0.704	5.00	1	08/24/2021 15:26	<a href="#">WG1726248</a>

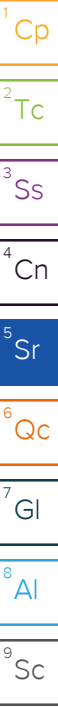
## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	166		0.287	0.678	1	08/20/2021 10:15	<a href="#">WG1726340</a>
Ethane	U		0.296	1.29	1	08/20/2021 10:15	<a href="#">WG1726340</a>
Ethene	U		0.422	1.27	1	08/20/2021 10:15	<a href="#">WG1726340</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Benzene	0.123		0.0160	0.0400	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/25/2021 23:28	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/25/2021 23:28	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/25/2021 23:28	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/25/2021 23:28	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/25/2021 23:28	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/25/2021 23:28	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/25/2021 23:28	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/25/2021 23:28	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/25/2021 23:28	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/25/2021 23:28	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/25/2021 23:28	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/25/2021 23:28	WG1729390
cis-1,2-Dichloroethene	0.149		0.0276	0.100	1	08/25/2021 23:28	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/25/2021 23:28	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/25/2021 23:28	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/25/2021 23:28	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/25/2021 23:28	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/25/2021 23:28	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/25/2021 23:28	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/25/2021 23:28	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/25/2021 23:28	WG1729390
Ethylbenzene	0.690		0.0212	0.100	1	08/25/2021 23:28	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/25/2021 23:28	WG1729390
Isopropylbenzene	0.177		0.0345	0.100	1	08/25/2021 23:28	WG1729390
p-Isopropyltoluene	0.141	U	0.0932	0.200	1	08/25/2021 23:28	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/25/2021 23:28	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/25/2021 23:28	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/25/2021 23:28	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/25/2021 23:28	WG1729390
Naphthalene	0.321	U	0.124	0.500	1	08/25/2021 23:28	WG1729390
n-Propylbenzene	0.316		0.0472	0.200	1	08/25/2021 23:28	WG1729390
Styrene	U		0.109	0.500	1	08/25/2021 23:28	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/25/2021 23:28	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/25/2021 23:28	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/25/2021 23:28	WG1729390
Tetrachloroethene	U		0.0280	0.100	1	08/25/2021 23:28	WG1729390
Toluene	0.840		0.0500	0.200	1	08/25/2021 23:28	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/25/2021 23:28	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/25/2021 23:28	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/25/2021 23:28	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/25/2021 23:28	WG1729390
Trichloroethene	U		0.0160	0.0400	1	08/25/2021 23:28	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/25/2021 23:28	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/25/2021 23:28	WG1729390
1,2,4-Trimethylbenzene	2.10		0.0464	0.200	1	08/25/2021 23:28	WG1729390
1,2,3-Trimethylbenzene	1.24		0.0460	0.200	1	08/25/2021 23:28	WG1729390
1,3,5-Trimethylbenzene	0.830		0.0432	0.200	1	08/25/2021 23:28	WG1729390
Vinyl chloride	0.573		0.0273	0.100	1	08/25/2021 23:28	WG1729390
Xylenes, Total	3.42		0.191	0.260	1	08/25/2021 23:28	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/25/2021 23:28	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/25/2021 23:28	WG1729390
Iodomethane	U		0.242	0.500	1	08/25/2021 23:28	WG1729390
Allyl chloride	U		0.580	1.00	1	08/25/2021 23:28	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/25/2021 23:28	WG1729390
(S) Toluene-d8	99.3			75.0-131		08/25/2021 23:28	WG1729390
(S) 4-Bromofluorobenzene	99.6			67.0-138		08/25/2021 23:28	WG1729390
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		08/25/2021 23:28	WG1729390

JC 9/15/2021

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	239000		8450	20000	1	08/26/2021 19:28	<a href="#">WG1728747</a>

Sample Narrative:

L1392302-01 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	46000		379	1000	1	08/19/2021 22:41	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 22:41	<a href="#">WG1725975</a>
Sulfate	47900		594	5000	1	08/19/2021 22:41	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1730	<del>B</del>	102	1000	1	08/21/2021 22:02	<a href="#">WG1727289</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1150		28.1	100	1	08/24/2021 15:29	<a href="#">WG1726248</a>
Manganese	174		0.704	5.00	1	08/24/2021 15:29	<a href="#">WG1726248</a>

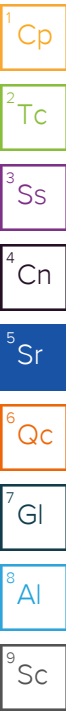
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	251		0.287	0.678	1	08/20/2021 10:23	<a href="#">WG1726340</a>
Ethane	2.54		0.296	1.29	1	08/20/2021 10:23	<a href="#">WG1726340</a>
Ethene	3.81		0.422	1.27	1	08/20/2021 10:23	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.62		0.548	1.00	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Benzene	0.191		0.0160	0.0400	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/25/2021 23:47	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/25/2021 23:47	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/25/2021 23:47	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/25/2021 23:47	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/25/2021 23:47	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/25/2021 23:47	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/25/2021 23:47	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/25/2021 23:47	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/25/2021 23:47	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/25/2021 23:47	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/25/2021 23:47	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/25/2021 23:47	WG1729390
cis-1,2-Dichloroethene	4.00		0.0276	0.100	1	08/25/2021 23:47	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/25/2021 23:47	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/25/2021 23:47	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/25/2021 23:47	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/25/2021 23:47	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/25/2021 23:47	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/25/2021 23:47	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/25/2021 23:47	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/25/2021 23:47	WG1729390
Ethylbenzene	0.192		0.0212	0.100	1	08/25/2021 23:47	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/25/2021 23:47	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/25/2021 23:47	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/25/2021 23:47	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/25/2021 23:47	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/25/2021 23:47	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/25/2021 23:47	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/25/2021 23:47	WG1729390
Naphthalene	U		0.124	0.500	1	08/25/2021 23:47	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/25/2021 23:47	WG1729390
Styrene	U		0.109	0.500	1	08/25/2021 23:47	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/25/2021 23:47	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/25/2021 23:47	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/25/2021 23:47	WG1729390
Tetrachloroethene	0.0940	U	0.0280	0.100	1	08/25/2021 23:47	WG1729390
Toluene	1.99		0.0500	0.200	1	08/25/2021 23:47	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/25/2021 23:47	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/25/2021 23:47	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/25/2021 23:47	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/25/2021 23:47	WG1729390
Trichloroethene	0.213		0.0160	0.0400	1	08/25/2021 23:47	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/25/2021 23:47	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/25/2021 23:47	WG1729390
1,2,4-Trimethylbenzene	0.182	U	0.0464	0.200	1	08/25/2021 23:47	WG1729390
1,2,3-Trimethylbenzene	0.0700	U	0.0460	0.200	1	08/25/2021 23:47	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/25/2021 23:47	WG1729390
Vinyl chloride	2.90		0.0273	0.100	1	08/25/2021 23:47	WG1729390
Xylenes, Total	1.15		0.191	0.260	1	08/25/2021 23:47	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/25/2021 23:47	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/25/2021 23:47	WG1729390
Iodomethane	U		0.242	0.500	1	08/25/2021 23:47	WG1729390
Allyl chloride	U		0.580	1.00	1	08/25/2021 23:47	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/25/2021 23:47	WG1729390
(S) Toluene-d8	96.8			75.0-131		08/25/2021 23:47	WG1729390
(S) 4-Bromofluorobenzene	96.9			67.0-138		08/25/2021 23:47	WG1729390
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		08/25/2021 23:47	WG1729390

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	216000		8450	20000	1	08/26/2021 19:32	<a href="#">WG1728747</a>

Sample Narrative:

L1392302-02 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	20800		379	1000	1	08/19/2021 23:10	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/19/2021 23:10	<a href="#">WG1725975</a>
Sulfate	60400		594	5000	1	08/19/2021 23:10	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1200	<del>B</del>	102	1000	1	08/21/2021 22:15	<a href="#">WG1727289</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	33300		28.1	100	1	08/24/2021 15:33	<a href="#">WG1726248</a>
Manganese	1160		0.704	5.00	1	08/24/2021 15:33	<a href="#">WG1726248</a>

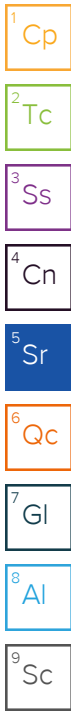
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	43.0		0.287	0.678	1	08/20/2021 10:27	<a href="#">WG1726340</a>
Ethane	U		0.296	1.29	1	08/20/2021 10:27	<a href="#">WG1726340</a>
Ethene	U		0.422	1.27	1	08/20/2021 10:27	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Benzene	U		0.0160	0.0400	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 00:06	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 00:06	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 00:06	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 00:06	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 00:06	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 00:06	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 00:06	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 00:06	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 00:06	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 00:06	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 00:06	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 00:06	WG1729390
cis-1,2-Dichloroethene	0.654		0.0276	0.100	1	08/26/2021 00:06	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 00:06	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 00:06	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 00:06	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 00:06	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 00:06	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 00:06	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 00:06	WG1729390
Di-isopropyl ether	0.0710		0.0140	0.0400	1	08/26/2021 00:06	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 00:06	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 00:06	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 00:06	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 00:06	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 00:06	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 00:06	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 00:06	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 00:06	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 00:06	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 00:06	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 00:06	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 00:06	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 00:06	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 00:06	WG1729390
Tetrachloroethene	U		0.0280	0.100	1	08/26/2021 00:06	WG1729390
Toluene	0.0740	U	0.0500	0.200	1	08/26/2021 00:06	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 00:06	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 00:06	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 00:06	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 00:06	WG1729390
Trichloroethene	U		0.0160	0.0400	1	08/26/2021 00:06	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 00:06	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 00:06	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 00:06	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 00:06	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 00:06	WG1729390
Vinyl chloride	1.02		0.0273	0.100	1	08/26/2021 00:06	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 00:06	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 00:06	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 00:06	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 00:06	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 00:06	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 00:06	WG1729390
(S) Toluene-d8	94.9			75.0-131		08/26/2021 00:06	WG1729390
(S) 4-Bromofluorobenzene	96.2			67.0-138		08/26/2021 00:06	WG1729390
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		08/26/2021 00:06	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	221000		8450	20000	1	08/26/2021 19:36	<a href="#">WG1728747</a>

Sample Narrative:

L1392302-03 WG1728747: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	45000		379	1000	1	08/20/2021 00:15	<a href="#">WG1725975</a>
Nitrate	U		48.0	100	1	08/20/2021 00:15	<a href="#">WG1725975</a>
Sulfate	48700		594	5000	1	08/20/2021 00:15	<a href="#">WG1725975</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1830	<del>B</del>	102	1000	1	08/21/2021 22:28	<a href="#">WG1727289</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3160		28.1	100	1	08/24/2021 15:36	<a href="#">WG1726248</a>
Manganese	184		0.704	5.00	1	08/24/2021 15:36	<a href="#">WG1726248</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	189		0.287	0.678	1	08/20/2021 10:30	<a href="#">WG1726340</a>
Ethane	7.36		0.296	1.29	1	08/20/2021 10:30	<a href="#">WG1726340</a>
Ethene	5.08		0.422	1.27	1	08/20/2021 10:30	<a href="#">WG1726340</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.86		0.548	1.00	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Benzene	0.0280	<del>J</del>	0.0160	0.0400	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 00:26	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 00:26	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 00:26	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 00:26	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 00:26	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 00:26	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 00:26	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 00:26	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 00:26	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 00:26	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 00:26	WG1729390
1,1-Dichloroethene	0.0750	U	0.0200	0.100	1	08/26/2021 00:26	WG1729390
cis-1,2-Dichloroethene	24.7		0.0276	0.100	1	08/26/2021 00:26	WG1729390
trans-1,2-Dichloroethene	0.0880	U	0.0572	0.200	1	08/26/2021 00:26	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 00:26	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 00:26	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 00:26	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 00:26	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 00:26	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 00:26	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 00:26	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 00:26	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 00:26	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 00:26	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 00:26	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 00:26	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 00:26	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 00:26	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 00:26	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 00:26	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 00:26	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 00:26	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 00:26	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 00:26	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 00:26	WG1729390
Tetrachloroethene	1.58		0.0280	0.100	1	08/26/2021 00:26	WG1729390
Toluene	0.0860	U	0.0500	0.200	1	08/26/2021 00:26	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 00:26	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 00:26	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 00:26	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 00:26	WG1729390
Trichloroethene	0.646		0.0160	0.0400	1	08/26/2021 00:26	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 00:26	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 00:26	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 00:26	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 00:26	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 00:26	WG1729390
Vinyl chloride	1.11		0.0273	0.100	1	08/26/2021 00:26	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 00:26	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 00:26	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 00:26	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 00:26	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 00:26	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 00:26	WG1729390
(S) Toluene-d8	97.2			75.0-131		08/26/2021 00:26	WG1729390
(S) 4-Bromofluorobenzene	98.5			67.0-138		08/26/2021 00:26	WG1729390
(S) 1,2-Dichloroethane-d4	100			70.0-130		08/26/2021 00:26	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	238000		8450	20000	1	08/27/2021 18:24	<a href="#">WG1730188</a>

Sample Narrative:

L1392900-01 WG1730188: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	40200		379	1000	1	08/20/2021 14:36	<a href="#">WG1726748</a>
Nitrate	U		48.0	100	1	08/20/2021 14:36	<a href="#">WG1726748</a>
Sulfate	53100		594	5000	1	08/20/2021 14:36	<a href="#">WG1726748</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1880	<span style="color: red;">B</span>	102	1000	1	08/23/2021 23:19	<a href="#">WG1727789</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	878	<span style="color: red;">J</span>	28.1	100	1	08/24/2021 23:51	<a href="#">WG1728391</a>
Manganese	107		0.704	5.00	1	08/24/2021 23:51	<a href="#">WG1728391</a>

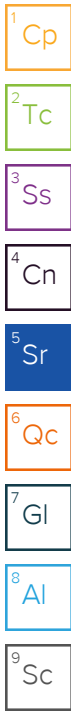
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	126		0.287	0.678	1	08/24/2021 12:46	<a href="#">WG1728223</a>
Ethane	U		0.296	1.29	1	08/24/2021 12:46	<a href="#">WG1728223</a>
Ethene	10.2		0.422	1.27	1	08/24/2021 12:46	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.84		0.548	1.00	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Benzene	0.0270	<span style="color: blue;">J</span>	0.0160	0.0400	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 00:45	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 00:45	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 00:45	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 00:45	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 00:45	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 00:45	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 00:45	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 00:45	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 00:45	WG1729390
1,1-Dichloroethane	0.0800	U	0.0230	0.100	1	08/26/2021 00:45	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 00:45	WG1729390
1,1-Dichloroethene	1.05		0.0200	0.100	1	08/26/2021 00:45	WG1729390
cis-1,2-Dichloroethene	66.6		0.0276	0.100	1	08/26/2021 00:45	WG1729390
trans-1,2-Dichloroethene	0.0660	U	0.0572	0.200	1	08/26/2021 00:45	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 00:45	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 00:45	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 00:45	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 00:45	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 00:45	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 00:45	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 00:45	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 00:45	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 00:45	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 00:45	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 00:45	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 00:45	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 00:45	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 00:45	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 00:45	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 00:45	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 00:45	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 00:45	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 00:45	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 00:45	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 00:45	WG1729390
Tetrachloroethene	5.41		0.0280	0.100	1	08/26/2021 00:45	WG1729390
Toluene	0.0680	U	0.0500	0.200	1	08/26/2021 00:45	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 00:45	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 00:45	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 00:45	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 00:45	WG1729390
Trichloroethene	8.30		0.0160	0.0400	1	08/26/2021 00:45	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 00:45	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 00:45	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 00:45	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 00:45	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 00:45	WG1729390
Vinyl chloride	45.7		0.0273	0.100	1	08/26/2021 00:45	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 00:45	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 00:45	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 00:45	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 00:45	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 00:45	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 00:45	WG1729390
(S) Toluene-d8	96.4			75.0-131		08/26/2021 00:45	WG1729390
(S) 4-Bromofluorobenzene	94.8			67.0-138		08/26/2021 00:45	WG1729390
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		08/26/2021 00:45	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	253000		8450	20000	1	08/27/2021 18:31	<a href="#">WG1730188</a>

Sample Narrative:

L1392900-02 WG1730188: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	33300		379	1000	1	08/20/2021 14:49	<a href="#">WG1726748</a>
Nitrate	U		48.0	100	1	08/20/2021 14:49	<a href="#">WG1726748</a>
Sulfate	45800		594	5000	1	08/20/2021 14:49	<a href="#">WG1726748</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1950	<u>B</u>	102	1000	1	08/24/2021 00:24	<a href="#">WG1727789</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	196		28.1	100	1	08/24/2021 23:54	<a href="#">WG1728391</a>
Manganese	136		0.704	5.00	1	08/24/2021 23:54	<a href="#">WG1728391</a>

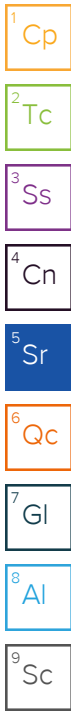
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	245		0.287	0.678	1	08/24/2021 12:50	<a href="#">WG1728223</a>
Ethane	U		0.296	1.29	1	08/24/2021 12:50	<a href="#">WG1728223</a>
Ethene	8.43		0.422	1.27	1	08/24/2021 12:50	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.46		0.548	1.00	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Benzene	U		0.0160	0.0400	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 01:04	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 01:04	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 01:04	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 01:04	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 01:04	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 01:04	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 01:04	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 01:04	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 01:04	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 01:04	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 01:04	WG1729390
1,1-Dichloroethene	U		0.0200	0.100	1	08/26/2021 01:04	WG1729390
cis-1,2-Dichloroethene	5.13		0.0276	0.100	1	08/26/2021 01:04	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 01:04	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 01:04	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 01:04	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 01:04	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 01:04	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 01:04	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 01:04	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 01:04	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 01:04	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 01:04	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 01:04	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 01:04	WG1729390
2-Butanone (MEK)	1.60		0.500	1.00	1	08/26/2021 01:04	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 01:04	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 01:04	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 01:04	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 01:04	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 01:04	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 01:04	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 01:04	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 01:04	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 01:04	WG1729390
Tetrachloroethene	0.326		0.0280	0.100	1	08/26/2021 01:04	WG1729390
Toluene	0.168	U	0.0500	0.200	1	08/26/2021 01:04	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 01:04	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 01:04	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 01:04	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 01:04	WG1729390
Trichloroethene	0.288		0.0160	0.0400	1	08/26/2021 01:04	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 01:04	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 01:04	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 01:04	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 01:04	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 01:04	WG1729390
Vinyl chloride	17.6		0.0273	0.100	1	08/26/2021 01:04	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 01:04	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 01:04	WG1729390
Tetrahydrofuran	5.34		0.0900	0.500	1	08/26/2021 01:04	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 01:04	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 01:04	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 01:04	WG1729390
(S) Toluene-d8	98.4			75.0-131		08/26/2021 01:04	WG1729390
(S) 4-Bromofluorobenzene	92.9			67.0-138		08/26/2021 01:04	WG1729390
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		08/26/2021 01:04	WG1729390

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	309000		8450	20000	1	08/27/2021 18:35	<a href="#">WG1730188</a>

Sample Narrative:

L1392900-03 WG1730188: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	34700		379	1000	1	08/20/2021 15:03	<a href="#">WG1726748</a>
Nitrate	U		48.0	100	1	08/20/2021 15:03	<a href="#">WG1726748</a>
Sulfate	93600		594	5000	1	08/20/2021 15:03	<a href="#">WG1726748</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2530	<u>B</u>	102	1000	1	08/24/2021 00:39	<a href="#">WG1727789</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1220		28.1	100	1	08/24/2021 23:57	<a href="#">WG1728391</a>
Manganese	70.4		0.704	5.00	1	08/24/2021 23:57	<a href="#">WG1728391</a>

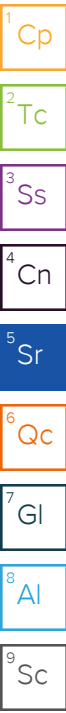
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	75.9		0.287	0.678	1	08/24/2021 12:57	<a href="#">WG1728223</a>
Ethane	29.3		0.296	1.29	1	08/24/2021 12:57	<a href="#">WG1728223</a>
Ethene	43.4		0.422	1.27	1	08/24/2021 12:57	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.46		0.548	1.00	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Benzene	0.0510		0.0160	0.0400	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 01:24	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 01:24	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 01:24	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 01:24	<a href="#">WG1729390</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 01:24	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 01:24	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 01:24	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 01:24	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 01:24	WG1729390
1,1-Dichloroethane	U		0.0230	0.100	1	08/26/2021 01:24	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 01:24	WG1729390
1,1-Dichloroethene	0.262		0.0200	0.100	1	08/26/2021 01:24	WG1729390
cis-1,2-Dichloroethene	100		0.0276	0.100	1	08/26/2021 01:24	WG1729390
trans-1,2-Dichloroethene	0.807		0.0572	0.200	1	08/26/2021 01:24	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 01:24	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 01:24	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 01:24	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 01:24	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 01:24	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 01:24	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 01:24	WG1729390
Ethylbenzene	0.0310	U	0.0212	0.100	1	08/26/2021 01:24	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 01:24	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 01:24	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 01:24	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 01:24	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 01:24	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 01:24	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 01:24	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 01:24	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 01:24	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 01:24	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 01:24	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 01:24	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 01:24	WG1729390
Tetrachloroethene	7.46		0.0280	0.100	1	08/26/2021 01:24	WG1729390
Toluene	0.164	U	0.0500	0.200	1	08/26/2021 01:24	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 01:24	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 01:24	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 01:24	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 01:24	WG1729390
Trichloroethene	4.72		0.0160	0.0400	1	08/26/2021 01:24	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 01:24	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 01:24	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 01:24	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 01:24	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 01:24	WG1729390
Vinyl chloride	25.7		0.0273	0.100	1	08/26/2021 01:24	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 01:24	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 01:24	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 01:24	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 01:24	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 01:24	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 01:24	WG1729390
(S) Toluene-d8	96.9			75.0-131		08/26/2021 01:24	WG1729390
(S) 4-Bromofluorobenzene	96.6			67.0-138		08/26/2021 01:24	WG1729390
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/26/2021 01:24	WG1729390

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	237000		8450	20000	1	08/27/2021 18:38	<a href="#">WG1730188</a>

Sample Narrative:

L1392900-04 WG1730188: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	39800		379	1000	1	08/20/2021 15:55	<a href="#">WG1726748</a>
Nitrate	U		48.0	100	1	08/20/2021 15:55	<a href="#">WG1726748</a>
Sulfate	52500		594	5000	1	08/20/2021 15:55	<a href="#">WG1726748</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1870	<del>B</del>	102	1000	1	08/24/2021 00:55	<a href="#">WG1727789</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	507	J	28.1	100	1	08/25/2021 00:01	<a href="#">WG1728391</a>
Manganese	103		0.704	5.00	1	08/25/2021 00:01	<a href="#">WG1728391</a>

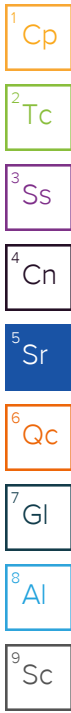
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	117		0.287	0.678	1	08/24/2021 13:09	<a href="#">WG1728223</a>
Ethane	U		0.296	1.29	1	08/24/2021 13:09	<a href="#">WG1728223</a>
Ethene	9.34		0.422	1.27	1	08/24/2021 13:09	<a href="#">WG1728223</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.17		0.548	1.00	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Acrylonitrile	U		0.0760	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Benzene	0.0190	J	0.0160	0.0400	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Bromobenzene	U		0.0420	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Bromodichloromethane	U		0.0315	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Bromoform	U		0.239	1.00	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Bromomethane	U		0.148	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
n-Butylbenzene	U		0.153	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
sec-Butylbenzene	U		0.101	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Chlorobenzene	U		0.0229	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Chloroethane	U		0.0432	0.200	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Chloroform	U		0.0166	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>
Chloromethane	U		0.0556	0.500	1	08/26/2021 01:43	<a href="#">WG1729390</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/26/2021 01:43	<a href="#">WG1729390</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/26/2021 01:43	<a href="#">WG1729390</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/26/2021 01:43	<a href="#">WG1729390</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	08/26/2021 01:43	WG1729390
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/26/2021 01:43	WG1729390
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/26/2021 01:43	WG1729390
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/26/2021 01:43	WG1729390
Dichlorodifluoromethane	U		0.0327	0.100	1	08/26/2021 01:43	WG1729390
1,1-Dichloroethane	0.0640	U	0.0230	0.100	1	08/26/2021 01:43	WG1729390
1,2-Dichloroethane	U		0.0190	0.100	1	08/26/2021 01:43	WG1729390
1,1-Dichloroethene	1.10		0.0200	0.100	1	08/26/2021 01:43	WG1729390
cis-1,2-Dichloroethene	68.2		0.0276	0.100	1	08/26/2021 01:43	WG1729390
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/26/2021 01:43	WG1729390
1,2-Dichloropropane	U		0.0508	0.200	1	08/26/2021 01:43	WG1729390
1,1-Dichloropropene	U		0.0280	0.100	1	08/26/2021 01:43	WG1729390
1,3-Dichloropropane	U		0.0700	0.200	1	08/26/2021 01:43	WG1729390
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/26/2021 01:43	WG1729390
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/26/2021 01:43	WG1729390
2,2-Dichloropropane	U		0.0317	0.100	1	08/26/2021 01:43	WG1729390
Di-isopropyl ether	U		0.0140	0.0400	1	08/26/2021 01:43	WG1729390
Ethylbenzene	U		0.0212	0.100	1	08/26/2021 01:43	WG1729390
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/26/2021 01:43	WG1729390
Isopropylbenzene	U		0.0345	0.100	1	08/26/2021 01:43	WG1729390
p-Isopropyltoluene	U		0.0932	0.200	1	08/26/2021 01:43	WG1729390
2-Butanone (MEK)	U		0.500	1.00	1	08/26/2021 01:43	WG1729390
Methylene Chloride	U		0.265	1.00	1	08/26/2021 01:43	WG1729390
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/26/2021 01:43	WG1729390
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/26/2021 01:43	WG1729390
Naphthalene	U		0.124	0.500	1	08/26/2021 01:43	WG1729390
n-Propylbenzene	U		0.0472	0.200	1	08/26/2021 01:43	WG1729390
Styrene	U		0.109	0.500	1	08/26/2021 01:43	WG1729390
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/26/2021 01:43	WG1729390
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/26/2021 01:43	WG1729390
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/26/2021 01:43	WG1729390
Tetrachloroethene	5.38		0.0280	0.100	1	08/26/2021 01:43	WG1729390
Toluene	0.0680	U	0.0500	0.200	1	08/26/2021 01:43	WG1729390
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/26/2021 01:43	WG1729390
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/26/2021 01:43	WG1729390
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/26/2021 01:43	WG1729390
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/26/2021 01:43	WG1729390
Trichloroethene	7.77		0.0160	0.0400	1	08/26/2021 01:43	WG1729390
Trichlorofluoromethane	U		0.0200	0.100	1	08/26/2021 01:43	WG1729390
1,2,3-Trichloropropane	U		0.204	0.500	1	08/26/2021 01:43	WG1729390
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/26/2021 01:43	WG1729390
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/26/2021 01:43	WG1729390
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/26/2021 01:43	WG1729390
Vinyl chloride	45.5		0.0273	0.100	1	08/26/2021 01:43	WG1729390
Xylenes, Total	U		0.191	0.260	1	08/26/2021 01:43	WG1729390
Ethyl Ether	U		0.0170	0.100	1	08/26/2021 01:43	WG1729390
Tetrahydrofuran	U		0.0900	0.500	1	08/26/2021 01:43	WG1729390
Iodomethane	U		0.242	0.500	1	08/26/2021 01:43	WG1729390
Allyl chloride	U		0.580	1.00	1	08/26/2021 01:43	WG1729390
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/26/2021 01:43	WG1729390
(S) Toluene-d8	97.7			75.0-131		08/26/2021 01:43	WG1729390
(S) 4-Bromofluorobenzene	94.9			67.0-138		08/26/2021 01:43	WG1729390
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/26/2021 01:43	WG1729390

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2021

## MEMORANDUM

**TO:** Project File **DATE:** September 10, 2021  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413.001.05.601  
**TASK:** Data Validation - Limited Review for August 2021 – Groundwater Samples  
**LAB:** SiREM Reference: S-8278

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Six groundwater samples were collected as part of the 2021 quarterly (Q3) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on August 9 and 10, 2021. The samples were shipped and delivered to SiREM of Knoxville, TN for laboratory analysis. Samples were analyzed for the following:

- Gene-Trac Dehalococcoides (DHC) Assay; and
- Gene-Trac Functional Gene Assay (FGA)

The quality assurance review of the sample data associated with Reference S-8278.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of microbiological data along with SiREM control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Quality Assurance/Quality Control Guidance for Laboratories Performing PCR Analyses on Environmental Samples (USEPA, 2004).

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.

#### Sample Collection and Preservation

The laboratory supplied containers (1Liter) for the groundwater samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. Chain of custody records indicate that samples were received at 8 °C by SiREM on August 11, 2021. Samples were stabilized by in-lab filtration and then preserved with dry ice to -80° C. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.



## **Holding Times**

The analyses for DHC and FGA methods were performed within the recommended holding time limit at or within 14-days after filtration. All holding time criteria are met.

## **Gene-Trac Dhc Control Results via Test Reference S-8278**

A PCR positive (amplification) control (Genomic DNA (CSLD-1438)) was used to confirm that the method was working as intended. A reagent water sample was seeded with a known quantity of the target organism (16S ribosomal ribonucleic acid or 16S rRNA) prior to sample processing. Recovery is within laboratory acceptance criteria.

A PCR reagent blank (extraction control) was performed to monitor contamination introduced during laboratory testing. A reagent water sample was seeded with a known concentration of 16S rRNA and recovery is within laboratory acceptance criteria.

A DNA extraction blank (sterile water) was used to confirm contamination throughout sample processing and PCR analysis. The DNA extraction blank recovery is laboratory qualified (U) to indicate that the blank was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

A negative control (reagent blank) was used to confirm that no contaminating nucleic acid was introduced into the master mix or into samples during sample processing. The negative control is laboratory qualified (U) to indicate that the negative control was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

## **Gene-Trac FGA Control Results via Test Reference S-8278**

PCR positive (amplification) low and high concentration controls (using Genomic DNA (CSLF-1130)) were used to confirm that the method was working as intended. Reagent water samples were seeded with a known quantity of the target organisms *vcrA* (vinyl chloride reductase), *bvcA* (*Dehalococcoides* sp. strain BAV1 (BAV1) vinyl chloride (VC) reductase), and *tceA* (trichloroethene (TCE) reductase) prior to sample processing. Recoveries for the positive control high concentration are within laboratory acceptance criteria. Recoveries for the positive control low concentration are above laboratory acceptance criteria with the following discussion:

- PCR positive control recoveries at low concentrations for *vcrA*, *bvcA*, and *tceA* are outside of control limits (greater than 50% of spiked amounts) however, test results are deemed acceptable by SiREM if one of the two positive controls fall within the recovery limit guidelines. Low level results, including samples MW-170-080921 and MW-166-081021, are unlikely to be significantly impacted by high bias in the low PCR. Refer to PCR positive high results for additional information.

A DNA extraction blank (sterile water) was used to confirm contamination throughout sample processing and PCR analysis. The DNA extraction blank recovery is laboratory qualified (U) to indicate that the blank was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

A negative control (reagent blank) was used to confirm that no contaminating nucleic acid was introduced into the master mix or into samples during sample processing. The negative control



is laboratory qualified (U) to indicate that the negative control was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report.

### **Quantitation Limits**

Results of the Dhc Assay show a percent range for each sample result (use mean value for screening purposes). Per SiREM “the value is collected by dividing the number of 16S rRNA gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Reported ranges represent a normal variation in Dhc enumeration.”

Results of the FGA assays show a percent range for each sample result (use mean value for screening purposes). Per SiREM “percent of functional gene in microbial population is calculated by dividing the functional gene copies quantified by the total number of estimated prokaryotes (based on the total quantity of DNA extracted from the sample).”

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Quality Assurance/Quality Control Guidance for Laboratories Performing PCR Analyses on Environmental Samples (USEPA, 2004).

No data are qualified. All data are judged to be acceptable for their intended use.

## MEMORANDUM

**TO:** Project File **DATE:** January 19, 2022 and  
February 3, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Q4, 2021. Group 1 - Anions

**PROJECT #:** 443017-1413001.02.501.07

**PROJECT #:** 443017-1413001.05.601

**TASK:** EIM Data Validation Level EPA2A for 4<sup>th</sup> Quarter 2021 – Groundwater Samples

**LAB:** Fremont Work Order Numbers: 2111081, 2111119, 2111143, 2111178, 2111204, 2111225, 2111255, 2111281, 2111340, and 2111394

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Fifty-eight groundwater samples including two field duplicates were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in November-December 2021. The samples were shipped and delivered to Fremont Analytical (Fremont) of Seattle, WA for laboratory analysis. Selected samples were analyzed for the following:

- General Chemistry - anions (chloride, nitrate (as N), and sulfate) by USEPA Method 300.0

The fourth quarter of RI sampling was conducted November – December 2021. Results are reported in multiple Work Orders from Fremont (this includes Work Orders provided by subcontractor Analytical Resources, Inc.) as well as results reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Work Orders or SDGs are reviewed in groups (less than 10 Work Orders or SDGs) for each data validation report. Group 1 analytical results for anions are reported in Work Orders 2111081, 2111119, 2111143, 2111178, 2111204, 2111225, 2111255, 2111281, 2111340, and 2111394. The quality assurance review of the laboratory data associated with Group 1 anions is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Fremont control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (2020).

### DATA VALIDATION

## Completeness

All samples were collected and analyzed as requested with the following discussion:

- Work Order 2111119: PES contacted Fremont to update the client project number.
- Work Order 2111178: Chain of custody (COC) relinquished by time was not recorded however samples were collected on November 8<sup>th</sup> and Fremont COC receipt and sample log-in check list cooler receipt form confirm that the samples were received on November 8, 2021.
- Work Order 2111178: COC shows **MW103-110821** and Fremont Work Order sample name is shown as **MW-103-110821**. PES is aware of the discrepancy and modified the EDD accordingly.
- Work Order 2111178: Fremont contacted PES to confirm the types of analytical requests on November 9, 2021.
- Work Order 2111255: PES modified the COC to include the sampling time for sample MW126-111121 on November 12, 2021.

## Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered to the analytical laboratory. Samples were received within the EPA recommended preservation temperature of 6°C. No data were qualified based upon the sample collection and preservation information.

## Holding Times

*General Chemistry (Chloride, Nitrate, and Sulfate):*

The samples were analyzed within the USEPA recommended holding time for nitrate (48 hours), chloride (28 days), and sulfate (28 days) from the date of sample collection. All holding time criteria are met with the following exceptions:

- Work Order 2111178: Nitrate analysis for six samples were initially diluted and analyzed within holding time on November 9<sup>th</sup>, 2021. Samples were reanalyzed on November 10<sup>th</sup> to achieve a lower dilution but analyzed past the recommended holding time and are laboratory qualified (H). **Nitrate results (analyzed on November 10<sup>th</sup>) for samples MW-304-110821, MW105-110821, MW112-110821, R-MW5-110821, MW-103-110821, and MW-319-110821 are estimated and qualified (UJ/J) due to holding time exceedance. Samples analyzed on November 9, 2021, are qualified as do not report (DNR) because nitrate sample results, from November 10<sup>th</sup>, have lower reporting limits.**

- Work Order 2111204: Nitrate analysis for six samples were initially diluted and analyzed within holding time on November 11, 2021. Samples were reanalyzed hours later November 11th to achieve a lower reporting limit but were analyzed past the recommended holding time and are laboratory qualified (H). **Nitrate results (analyzed past hold on November 11<sup>th</sup>) for samples MW-303-110921, MW-313-110921, MW-110-110921, MW-343-110921, MW-342-110921, MW-322-110921, MW-302-110921, and MW-147-110921 are estimated and qualified (UJ/J-) due to holding time exceedance. Results below the RDL are already estimated (J) and bias is not assigned to already to these low-level detections. Samples, as listed above, analyzed within hold (earlier on November 11, 2021) are qualified DNR because nitrate sample results with lower reporting limits are available.**
- Work Order 2111255: **Sulfate result (dilution factor of 20X) for sample SCL-MW101-111121 is estimated and qualified (J) because the sample was diluted and reanalyzed one day past holding time. Refer to Quantitation Limits section for additional discussion.**
- Work Order 2111255: **Chloride and sulfate results (dilution factor of 25X) for sample MW-331-111121 are estimated and qualified (J) because the sample was diluted and reanalyzed one day past holding time.**

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable and Fremont's notes do not indicate that there are any issues with the analysis.

### **Method Blank Results**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

A laboratory method blank was included with the analytical batch per method requirement. The target analytes were not detected in the method blanks at or above the RLs.

### **Trip Blank Results**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

A trip blank is not required.

### **Field, Rinsate, or Equipment Blank Results**

Field, rinsate, or equipment blanks were not collected.

### **Field Duplicate Analyses**

A field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- Work Order 2111143: Sample MW-315-110521 and field duplicate MW-959-110521
- Work Order 2111225: Sample MW-339-111021 and field duplicate MW-960-111021.

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pairs.

### **Laboratory Duplicate Analyses**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

Laboratory duplicate analysis were performed on client and on non-client samples within the analytical batches. Target compound results are comparable and within an RPD of 20%.

### **Laboratory Control Samples**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

An LCS was analyzed by the USEPA Method 300.0 along with each analytical batch. The LCS %R for the control analyte is within the laboratory control criteria.

### **Matrix Spike/Matrix Spike Duplicates**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- Multiple Work Orders: Matrix spikes were performed on client and on non-client samples. Sulfate and chloride spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. No action is taken for associated client samples since the sample concentration is greater than 4X the spike amount. No action is taken on non-client samples within the analytical batch.
- Work Order 2111204: Chloride MS % recovery on sample MW-302-110921 is below laboratory acceptance criteria. **Sample MW-302-110921 chloride result is estimated and qualified (J) due to low matrix spike recovery.**

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory reports with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered into the EDDs.
- Work Orders 2111255 and 2111281: Fremont indicated (Email to PES on November 24, 2021) that the ion chromatography instrument performing anions analyses stopped functioning before the laboratory could reanalyze select chloride and sulfate detections at required dilutions. This issue also appears to apply to Work Order 2111178. All associated work orders in Group 1 were reviewed for this issue. Refer to Quantitation Limit discussions below for further details.

## Quantitation Limits

The RLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes with the following discussion:

- Work Order 2111178: Sample MW-319-110821 chloride and sulfate results are laboratory qualified (E) because the results exceed the quantitation range. **Chloride and sulfate results for sample MW-319-110821 are estimated and qualified (J).**
- Work Order 2111255: Sample MW-331-111121 chloride and sulfate results are laboratory qualified (E) because the results exceed the quantitation range. **Sample MW-331-111121 chloride and sulfate results (at dilution factors of 10X) exceed respective quantitation ranges and are qualified as DNR since better results are available. Chloride and sulfate results (dilution factor of 25X) for sample MW-331-111121 are estimated and qualified (J) because the sample is analyzed past holding time.**
- Work Order 2111255: Sample SCL-MW101-111121 sulfate result is laboratory qualified (E) because the result exceeds the quantitation range. Sample SCL-MW101-111121 was reanalyzed for sulfate at a higher dilution one day past the recommended holding time. **Sample SCL-MW101-111121 sulfate result (dilution factor of 10X) exceeds the quantitation range and is qualified as DNR since a better result is available. Sulfate result (dilution factor of 20X) for sample SCL-MW101-111121 is estimated and qualified (J) because the sample is analyzed past holding time.**
- Work Order 2111281: Sample MW-317-111221 chloride result is laboratory qualified (E) because the result exceeds the quantitation range. The sample was reanalyzed within holding time for chloride at a higher dilution. **Sample MW-317-111221 chloride result exceeds the quantitation range and is qualified as DNR since a better result is available.**

## Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following comments:

- Work Order 2111178: **Nitrate results (analyzed on November 10<sup>th</sup>) for samples MW-304-110821, MW105-110821, MW112-110821, R-MW5-110821, MW-103-110821, and MW-319-110821 are estimated and qualified (UJ/J) due to holding time exceedance. Samples analyzed on November 9, 2021, are qualified as do not report (DNR) because nitrate sample results, from November 10<sup>th</sup>, have lower reporting limits.**

- **Work Order 2111204: Nitrate results (analyzed past hold on November 11<sup>th</sup>) for samples MW-303-110921, MW-313-110921, MW-110-110921, MW-343-110921, MW-342-110921, MW-322-110921, MW-302-110921, and MW-147-110921 are estimated and qualified (UJ/J-) due to holding time exceedance. Samples, as listed above, analyzed within hold (earlier on November 11, 2021) are qualified DNR because nitrate sample results with lower reporting limits are available.**
- **Work Order 2111255: Sample MW-331-111121 chloride and sulfate results (at dilution factors of 10X) exceed the respective quantitation ranges and are qualified as DNR since better results are available.**
- **Work Order 2111255: Sample SCL-MW101-111121 sulfate result (dilution factor of 10X) exceeds the quantitation range and is qualified as DNR since a better result is available.**
- **Work Order 2111281: Sample MW-317-111221 chloride result exceeds the quantitation range and is qualified as DNR since a better result is available.**



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111178-001

**Collection Date:** 11/8/2021 10:30:00 AM

**Client Sample ID:** MW-304-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	11.5	0.500	D	mg/L	5	11/9/2021 6:14:00 PM
Nitrate (as N)	ND	DNR	0.500	D	5	11/9/2021 6:14:00 PM
Nitrate (as N)	ND	UJ	0.100	H	1	11/10/2021 5:37:00 PM
Sulfate	14.4	3.00	D	mg/L	5	11/9/2021 6:14:00 PM

**Lab ID:** 2111178-002

**Collection Date:** 11/8/2021 12:35:00 PM

**Client Sample ID:** MW105-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	19.3	1.00	D	mg/L	10	11/10/2021 6:24:00 PM
Nitrate (as N)	ND	UJ	0.100	H	1	11/10/2021 6:00:00 PM
Nitrate (as N)	ND	DNR	0.500	D	5	11/9/2021 7:46:00 PM
Sulfate	12.6	0.600		mg/L	1	11/10/2021 6:00:00 PM

**Lab ID:** 2111178-003

**Collection Date:** 11/8/2021 2:45:00 PM

**Client Sample ID:** MW112-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	11.7	0.500	D	mg/L	5	11/9/2021 8:55:00 PM
Nitrate (as N)	ND	UJ	0.100	H	1	11/10/2021 6:47:00 PM
Nitrate (as N)	ND	DNR	0.500	D	5	11/9/2021 8:55:00 PM
Sulfate	29.1	3.00	D	mg/L	5	11/9/2021 8:55:00 PM





**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111178-004

**Collection Date:** 11/8/2021 10:50:00 AM

**Client Sample ID:** R-MW5-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	13.5	0.500	D	mg/L	5	11/9/2021 9:18:00 PM
Nitrate (as N)	ND UJ	0.100	H	mg/L	1	11/10/2021 7:10:00 PM
Nitrate (as N)	ND DNR	0.500	D	mg/L	5	11/9/2021 9:18:00 PM
Sulfate	8.09	0.600		mg/L	1	11/10/2021 7:10:00 PM

**Lab ID:** 2111178-005

**Collection Date:** 11/8/2021 12:50:00 PM

**Client Sample ID:** BB-8-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	19.1	1.00	D	mg/L	10	11/10/2021 7:33:00 PM
Nitrate (as N)	3.95	0.500	D	mg/L	5	11/9/2021 9:41:00 PM
Sulfate	52.7	3.00	D	mg/L	5	11/9/2021 9:41:00 PM

**Lab ID:** 2111178-006

**Collection Date:** 11/8/2021 2:40:00 PM

**Client Sample ID:** MW-332-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	129	10.0	D	mg/L	100	11/10/2021 8:43:00 PM
Nitrate (as N)	0.450 J	0.500	DJ	mg/L	5	11/9/2021 10:04:00 PM
Sulfate	60.6	3.00	D	mg/L	5	11/9/2021 10:04:00 PM



**CLIENT:** PES Environmental, Inc.

**Project:** American Linen

**Lab ID:** 2111178-007

**Collection Date:** 11/8/2021 12:50:00 PM

**Client Sample ID:** MW-103-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	30.2	2.00	D	mg/L	20	11/10/2021 9:29:00 PM
Nitrate (as N)	ND UJ	0.200	DH	mg/L	2	11/10/2021 9:06:00 PM
Nitrate (as N)	ND DNR	0.500	D	mg/L	5	11/9/2021 10:28:00 PM
Sulfate	25.9	1.20	D	mg/L	2	11/10/2021 9:06:00 PM

**Lab ID:** 2111178-008

**Collection Date:** 11/8/2021 2:20:00 PM

**Client Sample ID:** MW-319-110821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34379

Analyst: SS

Chloride	29.0 J	0.500	DE	mg/L	5	11/9/2021 10:51:00 PM
Nitrate (as N)	ND DNR	0.500	D	mg/L	5	11/9/2021 10:51:00 PM
Nitrate (as N)	0.128 J	0.200	JDH	mg/L	2	11/10/2021 9:52:00 PM
Sulfate	139 J	3.00	ED	mg/L	5	11/9/2021 10:51:00 PM

JC 2/2/22



**CLIENT:** PES Environmental, Inc.  
**Project:** ALS

**Lab ID:** 2111204-001

**Collection Date:** 11/9/2021 10:15:00 AM

**Client Sample ID:** MW-303-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	14.8	1.00	D	mg/L	10	11/11/2021 3:39:00 AM
Nitrate (as N)	ND	DNR	D	mg/L	10	11/11/2021 3:39:00 AM
Nitrate (as N)	0.132	J	DJH	mg/L	2	11/11/2021 1:56:00 PM
Sulfate	55.0	6.00	D	mg/L	10	11/11/2021 3:39:00 AM

**Lab ID:** 2111204-002

**Collection Date:** 11/9/2021 1:00:00 PM

**Client Sample ID:** MW-313-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	20.6	1.00	D	mg/L	10	11/11/2021 4:02:00 AM
Nitrate (as N)	0.660	DNR	DJ	mg/L	10	11/11/2021 4:02:00 AM
Nitrate (as N)	0.228	J-	DH	mg/L	2	11/11/2021 2:19:00 PM
Sulfate	67.1	6.00	D	mg/L	10	11/11/2021 4:02:00 AM

**Lab ID:** 2111204-003

**Collection Date:** 11/9/2021 2:20:00 PM

**Client Sample ID:** MW-110-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	15.1	1.00	D	mg/L	10	11/11/2021 4:25:00 AM
Nitrate (as N)	ND	DNR	D	mg/L	10	11/11/2021 4:25:00 AM
Nitrate (as N)	ND	UJ	DH	mg/L	4	11/11/2021 2:42:00 PM
Sulfate	89.1	6.00	D	mg/L	10	11/11/2021 4:25:00 AM

JC 2/2/22



**CLIENT:** PES Environmental, Inc.  
**Project:** ALS

**Lab ID:** 2111204-004

**Collection Date:** 11/9/2021 10:46:00 AM

**Client Sample ID:** MW-343-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	29.7	2.00	D	mg/L	20	11/11/2021 4:15:00 PM
Nitrate (as N)	ND <b>DNR</b>	1.00	D	mg/L	10	11/11/2021 4:48:00 AM
Nitrate (as N)	ND <b>UJ</b>	0.200	DH	mg/L	2	11/11/2021 3:52:00 PM
Sulfate	0.594	1.20	DJ	mg/L	2	11/11/2021 3:52:00 PM

**Lab ID:** 2111204-005

**Collection Date:** 11/9/2021 12:15:00 PM

**Client Sample ID:** MW-342-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	24.0	1.00	D	mg/L	10	11/11/2021 5:11:00 AM
Nitrate (as N)	ND <b>DNR</b>	1.00	D	mg/L	10	11/11/2021 5:11:00 AM
Nitrate (as N)	0.0750 <b>J</b>	0.100	JH	mg/L	1	11/11/2021 4:38:00 PM
Sulfate	0.275	0.600	J	mg/L	1	11/11/2021 4:38:00 PM

**Lab ID:** 2111204-006

**Collection Date:** 11/9/2021 2:07:00 PM

**Client Sample ID:** MW-322-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	19.2	1.00	D	mg/L	10	11/11/2021 5:34:00 AM
Nitrate (as N)	ND <b>DNR</b>	1.00	D	mg/L	10	11/11/2021 5:34:00 AM
Nitrate (as N)	ND <b>UJ</b>	0.100	H	mg/L	1	11/11/2021 5:01:00 PM
Sulfate	3.45	0.600		mg/L	1	11/11/2021 5:01:00 PM



**CLIENT:** PES Environmental, Inc.  
**Project:** ALS

**Lab ID:** 2111204-007

**Collection Date:** 11/9/2021 10:10:00 AM

**Client Sample ID:** MW-302-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	21.6					
			J			
Nitrate (as N)	ND	1.00	DNR	D	mg/L	10
Nitrate (as N)	ND	0.100	UJ	D	mg/L	10
Sulfate	20.8	6.00		H	mg/L	1
				D	mg/L	10

**Lab ID:** 2111204-008

**Collection Date:** 11/9/2021 1:30:00 PM

**Client Sample ID:** MW-147-110921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34400

Analyst: TN

Chloride	52.4	2.00				
			DNR			
Nitrate (as N)	ND	1.00		D	mg/L	10
Nitrate (as N)	ND	0.200	UJ	DH	mg/L	2
Sulfate	4.69	1.20		D	mg/L	2

JC 1/17/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111255-004

**Collection Date:** 11/11/2021 2:20:00 PM

**Client Sample ID:** MW122-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34433

Analyst: SS

Chloride	6.45	1.00	D	mg/L	10	11/13/2021 1:54:00 AM
Nitrate (as N)	ND	1.00	D	mg/L	10	11/13/2021 1:54:00 AM
Sulfate	ND	6.00	D	mg/L	10	11/13/2021 1:54:00 AM

**Lab ID:** 2111255-005

**Collection Date:** 11/11/2021 3:20:00 PM

**Client Sample ID:** SCL-MW101-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34433

Analyst: SS

Chloride	4.63	1.00	D	mg/L	10	11/13/2021 2:17:00 AM
Nitrate (as N)	ND	1.00	D	mg/L	10	11/13/2021 2:17:00 AM
Sulfate	162	J 12.0	D	mg/L	20	12/10/2021 5:21:00 AM
Sulfate	165	DNR 6.00	DE	mg/L	10	11/13/2021 2:17:00 AM

**Lab ID:** 2111255-006

**Collection Date:** 11/11/2021 9:45:00 AM

**Client Sample ID:** MW-330-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34433

Analyst: SS

Chloride	13.4	1.00	D	mg/L	10	11/13/2021 2:40:00 AM
Nitrate (as N)	ND	1.00	D	mg/L	10	11/13/2021 2:40:00 AM
Sulfate	43.7	6.00	D	mg/L	10	11/13/2021 2:40:00 AM

JC 1/17/22



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111255-007

**Collection Date:** 11/11/2021 11:20:00 AM

**Client Sample ID:** MW120-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34433	Analyst: SS	
Chloride	21.8	1.00	D	mg/L	10	11/13/2021 3:03:00 AM
Nitrate (as N)	1.19	1.00	D	mg/L	10	11/13/2021 3:03:00 AM
Sulfate	112	6.00	D	mg/L	10	11/13/2021 3:03:00 AM

**Lab ID:** 2111255-008

**Collection Date:** 11/11/2021 12:35:00 PM

**Client Sample ID:** MW-9-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34433	Analyst: SS	
Chloride	25.7	1.00	D	mg/L	10	11/13/2021 3:26:00 AM
Nitrate (as N)	1.12	1.00	D	mg/L	10	11/13/2021 3:26:00 AM
Sulfate	ND	6.00	D	mg/L	10	11/13/2021 3:26:00 AM

**Lab ID:** 2111255-009

**Collection Date:** 11/11/2021 1:55:00 PM

**Client Sample ID:** MW-331-111121

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34706	Analyst: SS		
Chloride	32.8	J	2.50	D	mg/L	25	12/10/2021 5:44:00 AM
Chloride	35.6	DNR	1.00	DE	mg/L	10	11/13/2021 3:49:00 AM
Nitrate (as N)	ND		1.00	D	mg/L	10	11/13/2021 3:49:00 AM
Sulfate	262	J	15.0	D	mg/L	25	12/10/2021 5:44:00 AM
Sulfate	268	DNR	6.00	DE	mg/L	10	11/13/2021 3:49:00 AM

JC 1/19/22

JC 1/17/22



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111281-001

**Collection Date:** 11/12/2021 10:05:00 AM

**Client Sample ID:** MW-317-111221

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34706

Analyst: SS

Chloride	32.5	2.00	D	mg/L	20	12/10/2021 6:30:00 AM
Chloride	33.9	DNR	1.00	DE	10	11/13/2021 7:17:00 AM
Nitrate (as N)	ND	1.00	D	mg/L	10	11/13/2021 7:17:00 AM
Sulfate	7.90	6.00	D	mg/L	10	11/13/2021 7:17:00 AM

JC 1/19/22

**Lab ID:** 2111281-002

**Collection Date:** 11/12/2021 11:16:00 AM

**Client Sample ID:** MW-318-111221

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34433

Analyst: SS

Chloride	15.0	1.00	D	mg/L	10	11/13/2021 7:40:00 AM
Nitrate (as N)	ND	1.00	D	mg/L	10	11/13/2021 7:40:00 AM
Sulfate	22.0	6.00	D	mg/L	10	11/13/2021 7:40:00 AM

JC 1/17/22



## MEMORANDUM

**TO:** Project File **DATE:** January 24, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 443017-1413001.05.601 and 443017-1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 4th Quarter Monitoring 2021 – Groundwater Samples – Group 2

**LAB:** Pace Sample Delivery Groups (SDGs): L1427678, L1427681, L1428900, L1428896, and L1429643

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Twenty-four (24) groundwater samples (including one field duplicate) were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, Seattle, Washington on November 3-5, 8-9, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Alkalinity by Method 2320 B-2011

The fourth quarter of RI sampling was conducted November – December 2021. Analytical results are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Analytical results (anions) are also reported in multiple Work Orders from Fremont (includes Work Orders provided by subcontractor Analytical Resources, Inc.) Group 2 analytical results are reported in Pace SDGs L1427678, L1427681, L1428900, L1428896, and L1429643. The quality assurance review of the laboratory data associated with Group 2 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria

outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussion:

- SDG L1428896: Pace's cooler receipt notes indicate that PES cancelled requested gasoline analysis on four samples. Only one sample (sample R-MW5-110821) was submitted for gasoline analysis.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Alkalinity and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days) and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs).

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1427678	WG1770663	9060A	TOC	689	J	1000	µg/L	NO
L1427681	WG1770663	9060A	TOC	689	J	1000	µg/L	NO
L1428896	WG1773427	9060A	TOC	566	J	1000	µg/L	NO
L1428896	WG1778891	6020B	Iron	52.1	J	100	µg/L	NO
L1428900	WG1773427	9060A	TOC	566	J	1000	µg/L	NO
L1428900	WG1773860	9060A	TOC	362	J	1000	µg/L	NO
L1428900	WG1778891	6020B	Iron	52.1	J	100	µg/L	NO
L1429643	WG1774457	9060A	TOC	613	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

**Trip Blank Results**

*USEPA Method 8260D and NWTPH-Gx:*

Trip blanks were not collected.

**Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

Field, rinsate, or equipment blanks were not collected.

**Field Duplicate Analyses**

One field duplicate pair was submitted and analyzed. Field duplicate sample pair is as follows:

- SDG L1428900: Sample MW-315-110521 and field duplicate sample MW-959-110521

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pair with the following exceptions:

- SDG L1428900: Sample MW-315-110521 and field duplicate sample MW-959-110521 methane and iron results are not comparable and exceed RPD criteria. **Sample MW-315-110521 and field duplicate MW-959-110521 methane and iron results are estimated and qualified (J).**

## **Laboratory Duplicate Analyses**

### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or in cases only an LCS is available refer to field duplicate results for precision data.

### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. No precision data are provided. No action is taken other than to note this.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate or MS/MSD results for precision data.

### *General Chemistry (Alkalinity and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

## **Surrogate Recoveries**

### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

### *NWTPH-Gx Method:*

The surrogate recovery results for the sample, laboratory control sample, and the blank are within the laboratory surrogate control limits.

## **Laboratory Control Samples**

### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDGs L1428896 and L1428900 - Analytical batch WG1773345: LCS/LCSD % recoveries for trans-1,4-dichloro-2-butene are greater than laboratory acceptance criteria (20%) and are laboratory qualified (J4). No action is needed for associated non-detected

results. **Positively detected trans-1,4-dichloro-2-butene in sample MW112-110821 (SDG L1428896) is estimated and qualified (J).**

*NWTPH-Gx Method:*

LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. For precision data refer to field duplicate result.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were not performed. Refer to LCS, LCS/LCSD, and field duplicate results for accuracy and precision data.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to LCS results for accuracy data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD methane analyses was performed on the analytical batch associated with SDGs L1428900. For remaining SDGs refer to LCS, laboratory, and field duplicate results for accuracy and precision data. The MS/MSD % Rs and RPD are acceptable and within laboratory control limit criteria for water samples.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDGs L1427678 and L1429643: Matrix spike analyses were performed on non-client samples within the analytical batches. Manganese MSD recovery is outside of criteria and laboratory qualified (V). No action is taken since the spike was performed on batch QC.
- SDGs L1428896 and L1428900: Matrix spike analysis was performed on a client sample (SDG L1428896-03) within the analytical batch. Manganese MS recovery is outside of

criteria and laboratory qualified (V). No action is taken since sample concentration is greater than 4X the spike concentration.

*General Chemistry (Alkalinity and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS, field duplicate, or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	476000		8450	20000	1	11/11/2021 04:05	<a href="#">WG1771749</a>

Sample Narrative:

L1427678-01 WG1771749: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5240	<del>B</del>	102	1000	1	11/09/2021 21:22	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9870		28.1	100	1	11/28/2021 14:59	<a href="#">WG1778365</a>
Manganese	3360		0.704	5.00	1	11/28/2021 14:59	<a href="#">WG1778365</a>

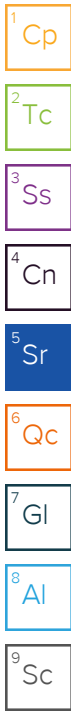
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1770		0.287	0.678	1	11/12/2021 11:38	<a href="#">WG1772555</a>
Ethane	10.3		0.296	1.29	1	11/12/2021 11:38	<a href="#">WG1772555</a>
Ethene	U		0.422	1.27	1	11/12/2021 11:38	<a href="#">WG1772555</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Benzene	0.0310	<u>J</u>	0.0160	0.0400	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	<b>UJ</b> <u>C3</u>	0.0327	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1-Dichloroethene	0.0380	<u>J</u>	0.0200	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>

JC 1/20/22





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	23.7		0.0276	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	0.0610	J	0.0572	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Toluene	U		0.0500	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Trichloroethene	0.0330	J	0.0160	0.0400	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Vinyl chloride	3.24		0.0273	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Ethyl Ether	0.222		0.0170	0.100	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 12:21	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 12:21	<a href="#">WG1772145</a>
(S) Toluene-d8	111			75.0-131		11/11/2021 12:21	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	97.8			67.0-138		11/11/2021 12:21	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		11/11/2021 12:21	<a href="#">WG1772145</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	143000		8450	20000	1	11/11/2021 04:09	<a href="#">WG1771749</a>

Sample Narrative:

L1427678-02 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3760	<b>B</b>	102	1000	1	11/09/2021 21:54	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3330		28.1	100	1	11/28/2021 15:24	<a href="#">WG1778365</a>
Manganese	220		0.704	5.00	1	11/28/2021 15:24	<a href="#">WG1778365</a>

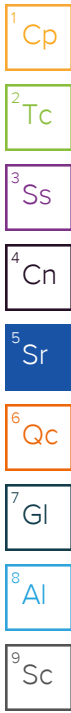
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	208		0.287	0.678	1	11/12/2021 11:43	<a href="#">WG1772555</a>
Ethane	U		0.296	1.29	1	11/12/2021 11:43	<a href="#">WG1772555</a>
Ethene	U		0.422	1.27	1	11/12/2021 11:43	<a href="#">WG1772555</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.64		0.548	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Benzene	0.0220	<b>J</b>	0.0160	0.0400	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Bromobenzene	U		0.0420	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Bromoform	U		0.239	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Bromomethane	U		0.148	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Chloroethane	U		0.0432	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Chloroform	U		0.0166	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Chloromethane	U		0.0556	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Dibromomethane	U		0.0400	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
Dichlorodifluoromethane	U	<b>UJ</b>	<b>C3</b>	0.0327	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>	

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Ethylbenzene	0.0710	J	0.0212	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Toluene	0.407		0.0500	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Trichloroethene	U		0.0160	0.0400	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	0.207		0.0464	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	0.0960	J	0.0460	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Vinyl chloride	U		0.0273	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Xylenes, Total	0.512		0.191	0.260	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 12:40	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 12:40	<a href="#">WG1772145</a>
(S) Toluene-d8	112			75.0-131		11/11/2021 12:40	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	99.8			67.0-138		11/11/2021 12:40	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		11/11/2021 12:40	<a href="#">WG1772145</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	213000		8450	20000	1	11/11/2021 04:14	<a href="#">WG1771749</a>

Sample Narrative:

L1427678-03 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1520	<span style="color: red;">B</span>	102	1000	1	11/09/2021 22:41	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2080		28.1	100	1	11/28/2021 15:27	<a href="#">WG1778365</a>
Manganese	296		0.704	5.00	1	11/28/2021 15:27	<a href="#">WG1778365</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	174		0.287	0.678	1	11/12/2021 16:25	<a href="#">WG1773593</a>
Ethane	13.8		0.296	1.29	1	11/12/2021 16:25	<a href="#">WG1773593</a>
Ethene	U		0.422	1.27	1	11/12/2021 16:25	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Benzene	0.0260	<span style="color: blue;">J</span>	0.0160	0.0400	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Bromobenzene	U		0.0420	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Bromoform	U		0.239	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Bromomethane	U		0.148	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Chloroethane	0.227		0.0432	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Chloroform	U		0.0166	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Chloromethane	U		0.0556	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Dibromomethane	U		0.0400	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
Dichlorodifluoromethane	U	<span style="color: red;">UJ</span>	<span style="color: blue;">C3</span>	0.0327	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	
1,1-Dichloroethene	0.0730	<span style="color: blue;">J</span>	0.0200	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>	

JC 1/20/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	8.17		0.0276	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Toluene	0.0950		0.0500	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Trichloroethene	0.0850		0.0160	0.0400	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	0.0640		0.0464	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Vinyl chloride	45.6		0.0273	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Xylenes, Total	0.207		0.191	0.260	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Ethyl Ether	0.0510		0.0170	0.100	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 12:59	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 12:59	<a href="#">WG1772145</a>
(S) Toluene-d8	110			75.0-131		11/11/2021 12:59	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	97.9			67.0-138		11/11/2021 12:59	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		11/11/2021 12:59	<a href="#">WG1772145</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	837000		8450	20000	1	11/11/2021 04:19	<a href="#">WG1771749</a>

Sample Narrative:

L1427678-04 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8770		102	1000	1	11/09/2021 23:47	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	17100		28.1	100	1	11/28/2021 15:30	<a href="#">WG1778365</a>
Manganese	2620		0.704	5.00	1	11/28/2021 15:30	<a href="#">WG1778365</a>

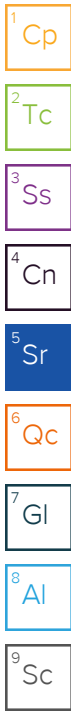
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	311		0.287	0.678	1	11/12/2021 16:29	<a href="#">WG1773593</a>
Ethane	U		0.296	1.29	1	11/12/2021 16:29	<a href="#">WG1773593</a>
Ethene	U		0.422	1.27	1	11/12/2021 16:29	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.53		0.548	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Benzene	0.0440		0.0160	0.0400	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.200		0.0276	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Di-isopropyl ether	0.0330	U	0.0140	0.0400	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Isopropylbenzene	0.0610	U	0.0345	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
2-Butanone (MEK)	1.21		0.500	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Toluene	U		0.0500	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Trichloroethene	U		0.0160	0.0400	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Vinyl chloride	U		0.0273	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 13:18	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 13:18	<a href="#">WG1772145</a>
(S) Toluene-d8	112			75.0-131		11/11/2021 13:18	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	96.8			67.0-138		11/11/2021 13:18	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/11/2021 13:18	<a href="#">WG1772145</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 1/20/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	444000		8450	20000	1	11/11/2021 04:23	<a href="#">WG1771749</a>

Sample Narrative:

L1427681-01 WG1771749: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4330	<span style="color:red">E</span>	102	1000	1	11/10/2021 00:04	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10700		28.1	100	1	11/28/2021 15:34	<a href="#">WG1778365</a>
Manganese	1350		0.704	5.00	1	11/28/2021 15:34	<a href="#">WG1778365</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2150		0.287	0.678	1	11/12/2021 16:33	<a href="#">WG1773593</a>
Ethane	35.2		0.296	1.29	1	11/12/2021 16:33	<a href="#">WG1773593</a>
Ethene	10.0		0.422	1.27	1	11/12/2021 16:33	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Benzene	2.25		0.0160	0.0400	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Bromobenzene	U		0.0420	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Bromoform	U		0.239	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Bromomethane	U		0.148	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Chloroethane	U		0.0432	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Chloroform	U		0.0166	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Chloromethane	U		0.0556	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Dibromomethane	U		0.0400	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
Dichlorodifluoromethane	U	<span style="color:red">UJ</span>	<span style="color:blue">C3</span>	0.0327	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1-Dichloroethane	0.0890	<span style="color:blue">J</span>	0.0230	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	
1,1-Dichloroethene	2.30		0.0200	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>	

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	569		0.552	2.00	20	11/16/2021 14:50	<a href="#">WG1774812</a>
trans-1,2-Dichloroethene	3.48		0.0572	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Di-isopropyl ether	0.0450		0.0140	0.0400	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Tetrachloroethene	271		0.560	2.00	20	11/16/2021 14:50	<a href="#">WG1774812</a>
Toluene	0.187		0.0500	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Trichloroethene	153		0.320	0.800	20	11/16/2021 14:50	<a href="#">WG1774812</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Vinyl chloride	221		0.546	2.00	20	11/16/2021 14:50	<a href="#">WG1774812</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Ethyl Ether	0.274		0.0170	0.100	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 13:37	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 13:37	<a href="#">WG1772145</a>
(S) Toluene-d8	110			75.0-131		11/11/2021 13:37	<a href="#">WG1772145</a>
(S) Toluene-d8	114			75.0-131		11/16/2021 14:50	<a href="#">WG1774812</a>
(S) 4-Bromofluorobenzene	98.4			67.0-138		11/11/2021 13:37	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	106			67.0-138		11/16/2021 14:50	<a href="#">WG1774812</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/11/2021 13:37	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		11/16/2021 14:50	<a href="#">WG1774812</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	382000		8450	20000	1	11/11/2021 04:36	<a href="#">WG1771749</a>

Sample Narrative:

L1427681-02 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3020	<span style="color: red;">B</span>	102	1000	1	11/10/2021 00:20	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	766		28.1	100	1	11/28/2021 15:37	<a href="#">WG1778365</a>
Manganese	496		0.704	5.00	1	11/28/2021 15:37	<a href="#">WG1778365</a>

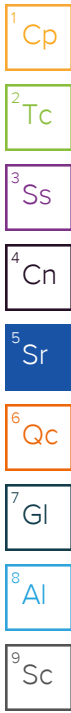
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	97.0		0.287	0.678	1	11/12/2021 16:36	<a href="#">WG1773593</a>
Ethane	U		0.296	1.29	1	11/12/2021 16:36	<a href="#">WG1773593</a>
Ethene	U		0.422	1.27	1	11/12/2021 16:36	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Benzene	U		0.0160	0.0400	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0327	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>

JC 1/20/2022



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.418		0.0276	0.100	1	11/16/2021 13:52	<a href="#">WG1774812</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Tetrachloroethene	0.0690	J	0.0280	0.100	1	11/16/2021 13:52	<a href="#">WG1774812</a>
Toluene	U		0.0500	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Trichloroethene	0.287		0.0160	0.0400	1	11/16/2021 13:52	<a href="#">WG1774812</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Vinyl chloride	2.71		0.0273	0.100	1	11/16/2021 13:52	<a href="#">WG1774812</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 13:57	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 13:57	<a href="#">WG1772145</a>
(S) Toluene-d8	112			75.0-131		11/11/2021 13:57	<a href="#">WG1772145</a>
(S) Toluene-d8	114			75.0-131		11/16/2021 13:52	<a href="#">WG1774812</a>
(S) 4-Bromofluorobenzene	99.2			67.0-138		11/11/2021 13:57	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/16/2021 13:52	<a href="#">WG1774812</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		11/11/2021 13:57	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		11/16/2021 13:52	<a href="#">WG1774812</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	256000		8450	20000	1	11/11/2021 04:41	<a href="#">WG1771749</a>

Sample Narrative:

L1427681-03 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2220	<span style="color: red;">E</span>	102	1000	1	11/10/2021 00:36	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	201		28.1	100	1	11/28/2021 15:40	<a href="#">WG1778365</a>
Manganese	178		0.704	5.00	1	11/28/2021 15:40	<a href="#">WG1778365</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/12/2021 16:40	<a href="#">WG1773593</a>
Ethane	U		0.296	1.29	1	11/12/2021 16:40	<a href="#">WG1773593</a>
Ethene	U		0.422	1.27	1	11/12/2021 16:40	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Benzene	U		0.0160	0.0400	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0327	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2.41		0.0276	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/16/2021 14:12	<a href="#">WG1774812</a>
Toluene	U		0.0500	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Trichloroethene	U		0.0160	0.0400	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Vinyl chloride	U		0.0273	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 14:16	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 14:16	<a href="#">WG1772145</a>
(S) Toluene-d8	111			75.0-131		11/11/2021 14:16	<a href="#">WG1772145</a>
(S) Toluene-d8	113			75.0-131		11/16/2021 14:12	<a href="#">WG1774812</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		11/11/2021 14:16	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/16/2021 14:12	<a href="#">WG1774812</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/11/2021 14:16	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		11/16/2021 14:12	<a href="#">WG1774812</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	268000		8450	20000	1	11/11/2021 04:45	<a href="#">WG1771749</a>

Sample Narrative:

L1427681-04 WG1771749: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1720	<span style="color: red;">E</span>	102	1000	1	11/10/2021 00:52	<a href="#">WG1770663</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4730		28.1	100	1	11/28/2021 15:43	<a href="#">WG1778365</a>
Manganese	494		0.704	5.00	1	11/28/2021 15:43	<a href="#">WG1778365</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/12/2021 16:44	<a href="#">WG1773593</a>
Ethane	U		0.296	1.29	1	11/12/2021 16:44	<a href="#">WG1773593</a>
Ethene	U		0.422	1.27	1	11/12/2021 16:44	<a href="#">WG1773593</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Benzene	U		0.0160	0.0400	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0327	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	4.15		0.0276	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Ethylbenzene	0.0630	I	0.0212	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Tetrachloroethene	0.0850	I	0.0280	0.100	1	11/16/2021 14:31	<a href="#">WG1774812</a>
Toluene	0.0540	I	0.0500	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Trichloroethene	0.638		0.0160	0.0400	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Vinyl chloride	0.186		0.0273	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Xylenes, Total	0.449		0.191	0.260	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 14:35	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 14:35	<a href="#">WG1772145</a>
(S) Toluene-d8	110			75.0-131		11/11/2021 14:35	<a href="#">WG1772145</a>
(S) Toluene-d8	112			75.0-131		11/16/2021 14:31	<a href="#">WG1774812</a>
(S) 4-Bromofluorobenzene	95.8			67.0-138		11/11/2021 14:35	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/16/2021 14:31	<a href="#">WG1774812</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/11/2021 14:35	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	99.5			70.0-130		11/16/2021 14:31	<a href="#">WG1774812</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	277000		8450	20000	1	11/16/2021 05:09	<a href="#">WG1774231</a>

Sample Narrative:

L1428896-01 WG1774231: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1600	<del>B</del>	102	1000	1	11/13/2021 04:04	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7600		28.1	100	1	11/28/2021 12:54	<a href="#">WG1778364</a>
Manganese	961		0.704	5.00	1	11/28/2021 12:54	<a href="#">WG1778364</a>

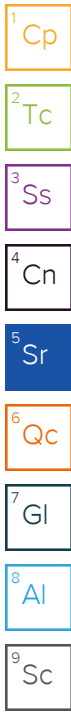
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	59.3		0.287	0.678	1	11/17/2021 14:27	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 14:27	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 14:27	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.74		0.548	1.00	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Benzene	U		0.0160	0.0400	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 15:46	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 15:47	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 15:46	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>
1,1-Dichloroethene	1.29		0.0200	0.100	1	11/12/2021 15:46	<a href="#">WG1773345</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	8.73		0.0276	0.100	1	11/12/2021 15:46	WG1773345
trans-1,2-Dichloroethene	0.240		0.0572	0.200	1	11/12/2021 15:46	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 15:46	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 15:46	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 15:46	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 15:46	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 15:46	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 15:46	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 15:46	WG1773345
Ethylbenzene	0.0630	<u>J</u>	0.0212	0.100	1	11/12/2021 15:46	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 15:46	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 15:46	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 15:46	WG1773345
2-Butanone (MEK)	1.19		0.500	1.00	1	11/12/2021 15:46	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 15:46	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 15:46	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 15:46	WG1773345
Naphthalene	U	<u>UJ</u> <u>C4</u>	0.124	0.500	1	11/12/2021 15:46	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 15:46	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 15:46	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 15:46	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 15:46	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 15:46	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 15:46	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 15:46	WG1773345
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/12/2021 15:46	WG1773345
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/12/2021 15:46	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 15:46	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 15:46	WG1773345
Trichloroethene	0.893		0.0160	0.0400	1	11/12/2021 15:46	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 15:46	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 15:46	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 15:46	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 15:46	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 15:46	WG1773345
Vinyl chloride	0.361		0.0273	0.100	1	11/12/2021 15:46	WG1773345
Xylenes, Total	0.435		0.191	0.260	1	11/12/2021 15:46	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 15:46	WG1773345
Tetrahydrofuran	3.32		0.0900	0.500	1	11/12/2021 15:46	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 15:47	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 15:46	WG1773345
Trans-1,4-Dichloro-2-butene	U	<u>J4</u>	0.0560	0.200	1	11/12/2021 15:46	WG1773345
(S) Toluene-d8	109			75.0-131		11/12/2021 15:46	WG1773345
(S) Toluene-d8	103			75.0-131		11/17/2021 15:47	WG1775871
(S) 4-Bromofluorobenzene	101			67.0-138		11/12/2021 15:46	WG1773345
(S) 4-Bromofluorobenzene	93.8			67.0-138		11/17/2021 15:47	WG1775871
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/12/2021 15:46	WG1773345
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/17/2021 15:47	WG1775871

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	164000		8450	20000	1	11/16/2021 03:41	<a href="#">WG1774789</a>

Sample Narrative:

L1428896-02 WG1774789: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1970	<u>B</u>	102	1000	1	11/13/2021 04:24	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4840		28.1	100	1	11/28/2021 12:58	<a href="#">WG1778364</a>
Manganese	248		0.704	5.00	1	11/28/2021 12:58	<a href="#">WG1778364</a>

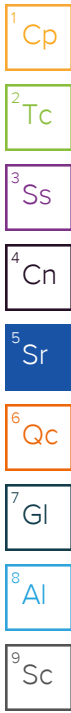
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	135		0.287	0.678	1	11/17/2021 14:30	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 14:30	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 14:30	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	20.4		0.548	1.00	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Benzene	0.0270	<u>J</u>	0.0160	0.0400	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 16:04	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 16:06	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 16:04	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>
1,1-Dichloroethene	0.166		0.0200	0.100	1	11/12/2021 16:04	<a href="#">WG1773345</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/12/2021 16:04	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 16:04	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 16:04	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 16:04	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 16:04	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 16:04	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 16:04	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 16:04	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 16:04	WG1773345
Ethylbenzene	0.129		0.0212	0.100	1	11/12/2021 16:04	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 16:04	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 16:04	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 16:04	WG1773345
2-Butanone (MEK)	7.19		0.500	1.00	1	11/12/2021 16:04	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 16:04	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 16:04	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 16:04	WG1773345
Naphthalene	U	UJ C4	0.124	0.500	1	11/12/2021 16:04	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 16:04	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 16:04	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 16:04	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 16:04	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 16:04	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 16:04	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 16:04	WG1773345
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/12/2021 16:04	WG1773345
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/12/2021 16:04	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 16:04	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 16:04	WG1773345
Trichloroethene	U		0.0160	0.0400	1	11/12/2021 16:04	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 16:04	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 16:04	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 16:04	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 16:04	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 16:04	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 16:04	WG1773345
Xylenes, Total	0.797		0.191	0.260	1	11/12/2021 16:04	WG1773345
Ethyl Ether	0.502		0.0170	0.100	1	11/12/2021 16:04	WG1773345
Tetrahydrofuran	18.0		0.0900	0.500	1	11/12/2021 16:04	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 16:06	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 16:04	WG1773345
Trans-1,4-Dichloro-2-butene	0.887	J J4	0.0560	0.200	1	11/12/2021 16:04	WG1773345
(S) Toluene-d8	110			75.0-131		11/12/2021 16:04	WG1773345
(S) Toluene-d8	108			75.0-131		11/17/2021 16:06	WG1775871
(S) 4-Bromofluorobenzene	102			67.0-138		11/12/2021 16:04	WG1773345
(S) 4-Bromofluorobenzene	90.4			67.0-138		11/17/2021 16:06	WG1775871
(S) 1,2-Dichloroethane-d4	129			70.0-130		11/12/2021 16:04	WG1773345
(S) 1,2-Dichloroethane-d4	114			70.0-130		11/17/2021 16:06	WG1775871

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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## Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	93300		8450	20000	1	11/16/2021 03:53	<a href="#">WG1774789</a>

## Sample Narrative:

L1428896-03 WG1774789: Endpoint pH 4.5 Headspace

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1760	<del>B</del>	102	1000	1	11/13/2021 05:14	<a href="#">WG1773427</a>

## Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1340		28.1	100	1	11/23/2021 17:38	<a href="#">WG1778891</a>
Manganese	305	<del>V</del>	0.704	5.00	1	11/23/2021 17:38	<a href="#">WG1778891</a>

## Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/11/2021 17:49	<a href="#">WG1772575</a>
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		11/11/2021 17:49	<a href="#">WG1772575</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2910		0.287	0.678	1	11/17/2021 14:36	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 14:36	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 14:36	<a href="#">WG1775623</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

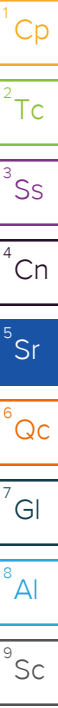
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.18		0.548	1.00	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Benzene	0.0190	<u>J</u>	0.0160	0.0400	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 16:23	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 16:23	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 16:25	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 16:23	<a href="#">WG1773345</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	11/12/2021 16:23	WG1773345
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 16:23	WG1773345
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 16:23	WG1773345
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 16:23	WG1773345
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 16:23	WG1773345
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 16:23	WG1773345
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 16:23	WG1773345
1,1-Dichloroethene	U		0.0200	0.100	1	11/12/2021 16:23	WG1773345
cis-1,2-Dichloroethene	0.389		0.0276	0.100	1	11/12/2021 16:23	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 16:23	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 16:23	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 16:23	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 16:23	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 16:23	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 16:23	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 16:23	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 16:23	WG1773345
Ethylbenzene	0.0320	U	0.0212	0.100	1	11/12/2021 16:23	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 16:23	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 16:23	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 16:23	WG1773345
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 16:23	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 16:23	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 16:23	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 16:23	WG1773345
Naphthalene	U	UJ C4	0.124	0.500	1	11/12/2021 16:23	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 16:23	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 16:23	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 16:23	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 16:23	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 16:23	WG1773345
Tetrachloroethene	0.661		0.0280	0.100	1	11/12/2021 16:23	WG1773345
Toluene	0.178	U	0.0500	0.200	1	11/12/2021 16:23	WG1773345
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/12/2021 16:23	WG1773345
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/12/2021 16:23	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 16:23	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 16:23	WG1773345
Trichloroethene	0.265		0.0160	0.0400	1	11/12/2021 16:23	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 16:23	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 16:23	WG1773345
1,2,4-Trimethylbenzene	0.112	U	0.0464	0.200	1	11/12/2021 16:23	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 16:23	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 16:23	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 16:23	WG1773345
Xylenes, Total	0.271		0.191	0.260	1	11/12/2021 16:23	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 16:23	WG1773345
Tetrahydrofuran	2.11		0.0900	0.500	1	11/12/2021 16:23	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 16:25	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 16:23	WG1773345
Trans-1,4-Dichloro-2-butene	U	J4	0.0560	0.200	1	11/12/2021 16:23	WG1773345
(S) Toluene-d8	109			75.0-131		11/12/2021 16:23	WG1773345
(S) Toluene-d8	110			75.0-131		11/17/2021 16:25	WG1775871
(S) 4-Bromofluorobenzene	100			67.0-138		11/12/2021 16:23	WG1773345
(S) 4-Bromofluorobenzene	87.9			67.0-138		11/17/2021 16:25	WG1775871
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/12/2021 16:23	WG1773345
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/17/2021 16:25	WG1775871

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	305000		8450	20000	1	11/16/2021 03:57	<a href="#">WG1774789</a>

Sample Narrative:

L1428896-04 WG1774789: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1500	<u>B</u>	102	1000	1	11/13/2021 05:30	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	884		28.1	100	1	11/23/2021 18:39	<a href="#">WG1778891</a>
Manganese	802		0.704	5.00	1	11/23/2021 18:39	<a href="#">WG1778891</a>

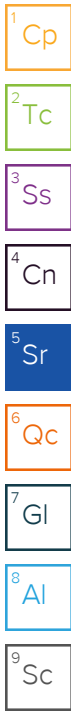
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	171		0.287	0.678	1	11/17/2021 14:40	<a href="#">WG1775623</a>
Ethane	26.4		0.296	1.29	1	11/17/2021 14:40	<a href="#">WG1775623</a>
Ethene	9.95		0.422	1.27	1	11/17/2021 14:40	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Benzene	0.0330	<u>J</u>	0.0160	0.0400	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 16:44	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1-Dichloroethane	0.0290	<u>J</u>	0.0230	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1-Dichloroethene	1.46		0.0200	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	80.5		0.138	0.500	5	11/20/2021 11:41	<a href="#">WG177050</a>
trans-1,2-Dichloroethene	0.166	<u>J</u>	0.0572	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Ethylbenzene	0.0900	<u>J</u>	0.0212	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Methylene Chloride	U		0.265	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Naphthalene	U	<u>UJ</u> <u>C4</u>	0.124	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Styrene	U		0.109	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Tetrachloroethene	0.0500	<u>J</u>	0.0280	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Toluene	0.423		0.0500	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Trichloroethene	7.03		0.0160	0.0400	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2,4-Trimethylbenzene	0.247		0.0464	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,2,3-Trimethylbenzene	0.105	<u>J</u>	0.0460	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Vinyl chloride	52.5		0.0273	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Xylenes, Total	0.624		0.191	0.260	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Ethyl Ether	0.0670	<u>J</u>	0.0170	0.100	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Iodomethane	U		0.242	0.500	1	11/17/2021 16:44	<a href="#">WG1775871</a>
Allyl chloride	U		0.580	1.00	1	11/12/2021 16:42	<a href="#">WG1773345</a>
Trans-1,4-Dichloro-2-butene	U	<u>J4</u>	0.0560	0.200	1	11/12/2021 16:42	<a href="#">WG1773345</a>
(S) Toluene-d8	108			75.0-131		11/12/2021 16:42	<a href="#">WG1773345</a>
(S) Toluene-d8	107			75.0-131		11/17/2021 16:44	<a href="#">WG1775871</a>
(S) Toluene-d8	111			75.0-131		11/20/2021 11:41	<a href="#">WG177050</a>
(S) 4-Bromofluorobenzene	100			67.0-138		11/12/2021 16:42	<a href="#">WG1773345</a>
(S) 4-Bromofluorobenzene	87.9			67.0-138		11/17/2021 16:44	<a href="#">WG1775871</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/20/2021 11:41	<a href="#">WG177050</a>
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/12/2021 16:42	<a href="#">WG1773345</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/17/2021 16:44	<a href="#">WG1775871</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		11/20/2021 11:41	<a href="#">WG177050</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	255000		8450	20000	1	11/16/2021 04:02	<a href="#">WG1774789</a>

Sample Narrative:

L1428896-05 WG1774789: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1870	<u>B</u>	102	1000	1	11/13/2021 05:45	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3090		28.1	100	1	11/23/2021 18:42	<a href="#">WG1778891</a>
Manganese	944		0.704	5.00	1	11/23/2021 18:42	<a href="#">WG1778891</a>

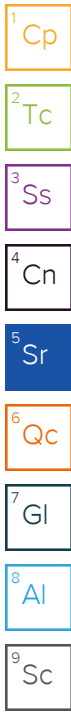
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	52.4		0.287	0.678	1	11/17/2021 14:44	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 14:44	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 14:44	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Benzene	0.0190	<u>J</u>	0.0160	0.0400	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 17:03	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1-Dichloroethane	0.300		0.0230	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1-Dichloroethene	0.168		0.0200	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	37.0		0.0276	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
trans-1,2-Dichloroethene	0.100	J	0.0572	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Ethylbenzene	U		0.0212	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Methylene Chloride	U		0.265	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Naphthalene	U	UJ C4	0.124	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Styrene	U		0.109	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Tetrachloroethene	0.0780	J	0.0280	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Toluene	U		0.0500	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Trichloroethene	6.72		0.0160	0.0400	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Vinyl chloride	4.25		0.0273	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Xylenes, Total	U		0.191	0.260	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Iodomethane	U		0.242	0.500	1	11/17/2021 17:03	<a href="#">WG1775871</a>
Allyl chloride	U		0.580	1.00	1	11/12/2021 17:02	<a href="#">WG1773345</a>
Trans-1,4-Dichloro-2-butene	U	J4	0.0560	0.200	1	11/12/2021 17:02	<a href="#">WG1773345</a>
(S) Toluene-d8	107			75.0-131		11/12/2021 17:02	<a href="#">WG1773345</a>
(S) Toluene-d8	111			75.0-131		11/17/2021 17:03	<a href="#">WG1775871</a>
(S) 4-Bromofluorobenzene	99.3			67.0-138		11/12/2021 17:02	<a href="#">WG1773345</a>
(S) 4-Bromofluorobenzene	88.9			67.0-138		11/17/2021 17:03	<a href="#">WG1775871</a>
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/12/2021 17:02	<a href="#">WG1773345</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/17/2021 17:03	<a href="#">WG1775871</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	834000		8450	20000	1	11/16/2021 04:43	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-01 WG1774789: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13900		102	1000	1	11/13/2021 06:11	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	21700		28.1	100	1	11/23/2021 18:46	<a href="#">WG1778891</a>
Manganese	1610		0.704	5.00	1	11/23/2021 18:46	<a href="#">WG1778891</a>

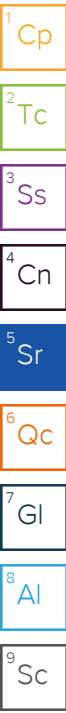
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16600		2.87	6.78	10	11/18/2021 10:43	<a href="#">WG1776190</a>
Ethane	U		0.296	1.29	1	11/17/2021 15:36	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 15:36	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.71		0.548	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Benzene	U		0.0160	0.0400	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Di-isopropyl ether	0.183		0.0140	0.0400	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Toluene	U		0.0500	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Trichloroethene	U		0.0160	0.0400	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Vinyl chloride	U		0.0273	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 15:32	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 15:32	<a href="#">WG1772145</a>
(S) Toluene-d8	112			75.0-131		11/11/2021 15:32	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	99.6			67.0-138		11/11/2021 15:32	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		11/11/2021 15:32	<a href="#">WG1772145</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1260000		8450	20000	1	11/16/2021 04:47	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-02 WG1774789: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10600		102	1000	1	11/13/2021 07:01	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

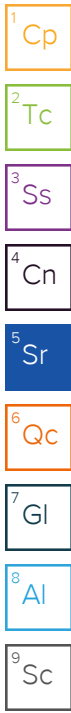
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9510		28.1	100	1	11/23/2021 18:49	<a href="#">WG1778891</a>
Manganese	464		0.704	5.00	1	11/23/2021 18:49	<a href="#">WG1778891</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18400		2.87	6.78	10	11/18/2021 10:47	<a href="#">WG1776190</a>
Ethane	U		0.296	1.29	1	11/17/2021 15:41	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 15:41	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.49		0.548	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Acrylonitrile	U		0.0760	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Benzene	U		0.0160	0.0400	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Bromobenzene	U		0.0420	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Bromodichloromethane	U		0.0315	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Bromoform	U		0.239	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Bromomethane	U		0.148	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
n-Butylbenzene	U		0.153	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
sec-Butylbenzene	U		0.101	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Chlorobenzene	U		0.0229	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Chloroethane	U		0.0432	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Chloroform	U		0.0166	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Chloromethane	U		0.0556	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Dibromomethane	U		0.0400	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Ethylbenzene	U		0.0212	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Isopropylbenzene	U		0.0345	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Methylene Chloride	U		0.265	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Naphthalene	U		0.124	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
n-Propylbenzene	U		0.0472	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Styrene	U		0.109	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Tetrachloroethene	U		0.0280	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Toluene	U		0.0500	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Trichloroethene	U		0.0160	0.0400	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Vinyl chloride	U		0.0273	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Xylenes, Total	U		0.191	0.260	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Ethyl Ether	U		0.0170	0.100	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Iodomethane	U		0.242	0.500	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Allyl chloride	U		0.580	1.00	1	11/11/2021 15:51	<a href="#">WG1772145</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/11/2021 15:51	<a href="#">WG1772145</a>
(S) Toluene-d8	111			75.0-131		11/11/2021 15:51	<a href="#">WG1772145</a>
(S) 4-Bromofluorobenzene	99.0			67.0-138		11/11/2021 15:51	<a href="#">WG1772145</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/11/2021 15:51	<a href="#">WG1772145</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	197000		8450	20000	1	11/16/2021 04:52	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-03 WG1774789: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1280	<b>B</b>	102	1000	1	11/13/2021 07:15	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1400	<b>J</b>	28.1	100	1	11/23/2021 18:52	<a href="#">WG1778891</a>
Manganese	286		0.704	5.00	1	11/23/2021 18:52	<a href="#">WG1778891</a>

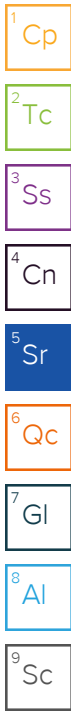
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	71.8	<b>J</b>	0.287	0.678	1	11/17/2021 15:46	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 15:46	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 15:46	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Benzene	U		0.0160	0.0400	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 17:20	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 17:22	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 17:20	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/12/2021 17:20	<a href="#">WG1773345</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/12/2021 17:20	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 17:20	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 17:20	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 17:20	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 17:20	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 17:20	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 17:20	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 17:20	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 17:20	WG1773345
Ethylbenzene	0.0710	J	0.0212	0.100	1	11/12/2021 17:20	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 17:20	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 17:20	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 17:20	WG1773345
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 17:20	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 17:20	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 17:20	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 17:20	WG1773345
Naphthalene	U	UJ C4	0.124	0.500	1	11/12/2021 17:20	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 17:20	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 17:20	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 17:20	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 17:20	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 17:20	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 17:20	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 17:20	WG1773345
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/12/2021 17:20	WG1773345
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/12/2021 17:20	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 17:20	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 17:20	WG1773345
Trichloroethene	U		0.0160	0.0400	1	11/12/2021 17:20	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 17:20	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 17:20	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 17:20	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 17:20	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 17:20	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 17:20	WG1773345
Xylenes, Total	0.404		0.191	0.260	1	11/12/2021 17:20	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 17:20	WG1773345
Tetrahydrofuran	0.523		0.0900	0.500	1	11/12/2021 17:20	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 17:22	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 17:20	WG1773345
Trans-1,4-Dichloro-2-butene	U	J4	0.0560	0.200	1	11/12/2021 17:20	WG1773345
(S) Toluene-d8	108			75.0-131		11/12/2021 17:20	WG1773345
(S) Toluene-d8	111			75.0-131		11/17/2021 17:22	WG1775871
(S) 4-Bromofluorobenzene	99.1			67.0-138		11/12/2021 17:20	WG1773345
(S) 4-Bromofluorobenzene	89.6			67.0-138		11/17/2021 17:22	WG1775871
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/12/2021 17:20	WG1773345
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/17/2021 17:22	WG1775871

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	332000		8450	20000	1	11/16/2021 04:57	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-04 WG1774789: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1770	<del>E</del>	102	1000	1	11/13/2021 07:31	<a href="#">WG1773427</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2400		28.1	100	1	11/23/2021 18:56	<a href="#">WG1778891</a>
Manganese	264		0.704	5.00	1	11/23/2021 18:56	<a href="#">WG1778891</a>

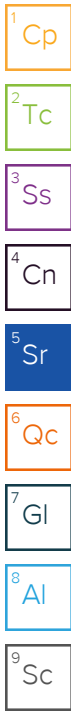
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	35.6		0.287	0.678	1	11/17/2021 15:50	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 15:50	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 15:50	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Benzene	U		0.0160	0.0400	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 17:39	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 17:41	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 17:39	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/12/2021 17:39	<a href="#">WG1773345</a>

JC 1/20/22





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/12/2021 17:39	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 17:39	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 17:39	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 17:39	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 17:39	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 17:39	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 17:39	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 17:39	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 17:39	WG1773345
Ethylbenzene	0.119		0.0212	0.100	1	11/12/2021 17:39	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 17:39	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 17:39	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 17:39	WG1773345
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 17:39	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 17:39	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 17:39	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 17:39	WG1773345
Naphthalene	U	UJ C4	0.124	0.500	1	11/12/2021 17:39	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 17:39	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 17:39	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 17:39	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 17:39	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 17:39	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 17:39	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 17:39	WG1773345
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/12/2021 17:39	WG1773345
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/12/2021 17:39	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 17:39	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 17:39	WG1773345
Trichloroethene	U		0.0160	0.0400	1	11/12/2021 17:39	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 17:39	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 17:39	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 17:39	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 17:39	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 17:39	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 17:39	WG1773345
Xylenes, Total	0.690		0.191	0.260	1	11/12/2021 17:39	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 17:39	WG1773345
Tetrahydrofuran	1.49		0.0900	0.500	1	11/12/2021 17:39	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 17:41	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 17:39	WG1773345
Trans-1,4-Dichloro-2-butene	U	J4	0.0560	0.200	1	11/12/2021 17:39	WG1773345
(S) Toluene-d8	109			75.0-131		11/12/2021 17:39	WG1773345
(S) Toluene-d8	108			75.0-131		11/17/2021 17:41	WG1775871
(S) 4-Bromofluorobenzene	102			67.0-138		11/12/2021 17:39	WG1773345
(S) 4-Bromofluorobenzene	89.9			67.0-138		11/17/2021 17:41	WG1775871
(S) 1,2-Dichloroethane-d4	124			70.0-130		11/12/2021 17:39	WG1773345
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/17/2021 17:41	WG1775871

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	214000		8450	20000	1	11/16/2021 05:02	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-05 WG1774789: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1120	<span style="color: red;">E</span>	102	1000	1	11/13/2021 16:40	<a href="#">WG1773860</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	978	<span style="color: red;">J</span>	28.1	100	1	11/23/2021 18:59	<a href="#">WG1778891</a>
Manganese	248		0.704	5.00	1	11/23/2021 18:59	<a href="#">WG1778891</a>

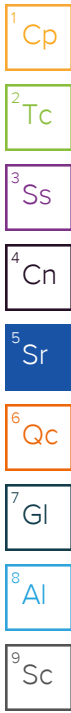
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	43.8	<span style="color: red;">J</span>	0.287	0.678	1	11/17/2021 15:54	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 15:54	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 15:54	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Benzene	U		0.0160	0.0400	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 17:58	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 18:00	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 17:58	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/12/2021 17:58	<a href="#">WG1773345</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/12/2021 17:58	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 17:58	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 17:58	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 17:58	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 17:58	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 17:58	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 17:58	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 17:58	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 17:58	WG1773345
Ethylbenzene	0.0630	<u>J</u>	0.0212	0.100	1	11/12/2021 17:58	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 17:58	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 17:58	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 17:58	WG1773345
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 17:58	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 17:58	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 17:58	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 17:58	WG1773345
Naphthalene	U	UJ <u>C4</u>	0.124	0.500	1	11/12/2021 17:58	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 17:58	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 17:58	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 17:58	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 17:58	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 17:58	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 17:58	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 17:58	WG1773345
1,2,3-Trichlorobenzene	U	UJ <u>C4</u>	0.0250	0.500	1	11/12/2021 17:58	WG1773345
1,2,4-Trichlorobenzene	U	UJ <u>C4</u>	0.193	0.500	1	11/12/2021 17:58	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 17:58	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 17:58	WG1773345
Trichloroethene	U		0.0160	0.0400	1	11/12/2021 17:58	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 17:58	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 17:58	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 17:58	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 17:58	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 17:58	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 17:58	WG1773345
Xylenes, Total	0.393		0.191	0.260	1	11/12/2021 17:58	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 17:58	WG1773345
Tetrahydrofuran	0.380	<u>J</u>	0.0900	0.500	1	11/12/2021 17:58	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 18:00	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 17:58	WG1773345
Trans-1,4-Dichloro-2-butene	U	<u>J4</u>	0.0560	0.200	1	11/12/2021 17:58	WG1773345
(S) Toluene-d8	109			75.0-131		11/12/2021 17:58	WG1773345
(S) Toluene-d8	106			75.0-131		11/17/2021 18:00	WG1775871
(S) 4-Bromofluorobenzene	99.1			67.0-138		11/12/2021 17:58	WG1773345
(S) 4-Bromofluorobenzene	85.7			67.0-138		11/17/2021 18:00	WG1775871
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/12/2021 17:58	WG1773345
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/17/2021 18:00	WG1775871

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/20/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	157000		8450	20000	1	11/16/2021 05:07	<a href="#">WG1774789</a>

Sample Narrative:

L1428900-06 WG1774789: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1670	<span style="color: red;">B</span>	102	1000	1	11/13/2021 16:57	<a href="#">WG1773860</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3820		28.1	100	1	11/23/2021 19:03	<a href="#">WG1778891</a>
Manganese	344		0.704	5.00	1	11/23/2021 19:03	<a href="#">WG1778891</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	45.0		0.287	0.678	1	11/17/2021 16:09	<a href="#">WG1775623</a>
Ethane	U		0.296	1.29	1	11/17/2021 16:09	<a href="#">WG1775623</a>
Ethene	U		0.422	1.27	1	11/17/2021 16:09	<a href="#">WG1775623</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.81		0.548	1.00	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Acrylonitrile	U		0.0760	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Benzene	U		0.0160	0.0400	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Bromobenzene	U		0.0420	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Bromodichloromethane	U		0.0315	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Bromoform	U		0.239	1.00	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Bromomethane	U		0.148	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
n-Butylbenzene	U		0.153	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
sec-Butylbenzene	U		0.101	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Chlorobenzene	U		0.0229	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Chloroethane	U		0.0432	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Chloroform	U		0.0166	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Chloromethane	U		0.0556	0.500	1	11/12/2021 18:17	<a href="#">WG1773345</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/17/2021 18:19	<a href="#">WG1775871</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Dibromomethane	U		0.0400	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/12/2021 18:17	<a href="#">WG1773345</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/12/2021 18:17	<a href="#">WG1773345</a>

JC 1/20/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/12/2021 18:17	WG1773345
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/12/2021 18:17	WG1773345
1,2-Dichloropropane	U		0.0508	0.200	1	11/12/2021 18:17	WG1773345
1,1-Dichloropropene	U		0.0280	0.100	1	11/12/2021 18:17	WG1773345
1,3-Dichloropropane	U		0.0700	0.200	1	11/12/2021 18:17	WG1773345
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/12/2021 18:17	WG1773345
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/12/2021 18:17	WG1773345
2,2-Dichloropropane	U		0.0317	0.100	1	11/12/2021 18:17	WG1773345
Di-isopropyl ether	U		0.0140	0.0400	1	11/12/2021 18:17	WG1773345
Ethylbenzene	0.0800	<u>J</u>	0.0212	0.100	1	11/12/2021 18:17	WG1773345
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/12/2021 18:17	WG1773345
Isopropylbenzene	U		0.0345	0.100	1	11/12/2021 18:17	WG1773345
p-Isopropyltoluene	U		0.0932	0.200	1	11/12/2021 18:17	WG1773345
2-Butanone (MEK)	U		0.500	1.00	1	11/12/2021 18:17	WG1773345
Methylene Chloride	U		0.265	1.00	1	11/12/2021 18:17	WG1773345
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/12/2021 18:17	WG1773345
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/12/2021 18:17	WG1773345
Naphthalene	U	<u>UJ</u> <u>C4</u>	0.124	0.500	1	11/12/2021 18:17	WG1773345
n-Propylbenzene	U		0.0472	0.200	1	11/12/2021 18:17	WG1773345
Styrene	U		0.109	0.500	1	11/12/2021 18:17	WG1773345
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/12/2021 18:17	WG1773345
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/12/2021 18:17	WG1773345
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/12/2021 18:17	WG1773345
Tetrachloroethene	U		0.0280	0.100	1	11/12/2021 18:17	WG1773345
Toluene	U		0.0500	0.200	1	11/12/2021 18:17	WG1773345
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/12/2021 18:17	WG1773345
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/12/2021 18:17	WG1773345
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/12/2021 18:17	WG1773345
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/12/2021 18:17	WG1773345
Trichloroethene	U		0.0160	0.0400	1	11/12/2021 18:17	WG1773345
Trichlorofluoromethane	U		0.0200	0.100	1	11/12/2021 18:17	WG1773345
1,2,3-Trichloropropane	U		0.204	0.500	1	11/12/2021 18:17	WG1773345
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/12/2021 18:17	WG1773345
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/12/2021 18:17	WG1773345
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/12/2021 18:17	WG1773345
Vinyl chloride	U		0.0273	0.100	1	11/12/2021 18:17	WG1773345
Xylenes, Total	0.527		0.191	0.260	1	11/12/2021 18:17	WG1773345
Ethyl Ether	U		0.0170	0.100	1	11/12/2021 18:17	WG1773345
Tetrahydrofuran	54.5		0.0900	0.500	1	11/12/2021 18:17	WG1773345
Iodomethane	U		0.242	0.500	1	11/17/2021 18:19	WG1775871
Allyl chloride	U		0.580	1.00	1	11/12/2021 18:17	WG1773345
Trans-1,4-Dichloro-2-butene	U	<u>J4</u>	0.0560	0.200	1	11/12/2021 18:17	WG1773345
(S) Toluene-d8	107			75.0-131		11/12/2021 18:17	WG1773345
(S) Toluene-d8	109			75.0-131		11/17/2021 18:19	WG1775871
(S) 4-Bromofluorobenzene	99.9			67.0-138		11/12/2021 18:17	WG1773345
(S) 4-Bromofluorobenzene	87.7			67.0-138		11/17/2021 18:19	WG1775871
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/12/2021 18:17	WG1773345
(S) 1,2-Dichloroethane-d4	113			70.0-130		11/17/2021 18:19	WG1775871

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	224000		8450	20000	1	11/17/2021 09:00	<a href="#">WG1774795</a>

Sample Narrative:

L1429643-01 WG1774795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2270	<u>B</u>	102	1000	1	11/15/2021 16:32	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	277		28.1	100	1	12/02/2021 17:49	<a href="#">WG1781524</a>
Manganese	116		0.704	5.00	1	12/02/2021 17:49	<a href="#">WG1781524</a>

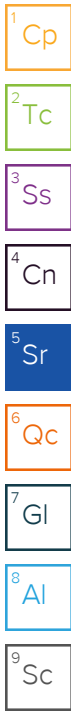
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/18/2021 14:07	<a href="#">WG1775943</a>
Ethane	U		0.296	1.29	1	11/18/2021 14:07	<a href="#">WG1775943</a>
Ethene	U		0.422	1.27	1	11/18/2021 14:07	<a href="#">WG1775943</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.94	J+	<u>C5</u>	0.548	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Benzene	0.0340		<u>J</u>	0.0160	0.0400	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Bromoform	U		0.239	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Bromomethane	U		0.148	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Chloroethane	U		0.0432	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Chloroform	U		0.0166	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Chloromethane	U		0.0556	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Dibromomethane	U		0.0400	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,3-Dichlorobenzene	0.0940		<u>J</u>	0.0680	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>	

JC 1/20/22



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.22		0.0276	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
trans-1,2-Dichloroethene	0.0620	<u>J</u>	0.0572	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Ethylbenzene	0.0550	<u>J</u>	0.0212	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Methylene Chloride	U		0.265	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Styrene	U		0.109	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Tetrachloroethene	38.5		0.0280	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Toluene	0.325		0.0500	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Trichloroethene	7.20		0.0160	0.0400	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2,4-Trimethylbenzene	0.123	<u>J</u>	0.0464	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Vinyl chloride	U		0.0273	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Xylenes, Total	0.378		0.191	0.260	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Tetrahydrofuran	0.950	<u>J-</u> <u>C3</u>	0.0900	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Iodomethane	U		0.242	0.500	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Allyl chloride	U		0.580	1.00	1	11/13/2021 02:32	<a href="#">WG1773461</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 02:32	<a href="#">WG1773461</a>
(S) Toluene-d8	108			75.0-131		11/13/2021 02:32	<a href="#">WG1773461</a>
(S) 4-Bromofluorobenzene	101			67.0-138		11/13/2021 02:32	<a href="#">WG1773461</a>
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/13/2021 02:32	<a href="#">WG1773461</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/22



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	203000		8450	20000	1	11/17/2021 09:04	<a href="#">WG1774795</a>

Sample Narrative:

L1429643-02 WG1774795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1680	<u>B</u>	102	1000	1	11/15/2021 16:46	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	27600		28.1	100	1	12/02/2021 17:52	<a href="#">WG1781524</a>
Manganese	2850		0.704	5.00	1	12/02/2021 17:52	<a href="#">WG1781524</a>

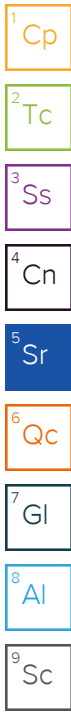
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/18/2021 14:12	<a href="#">WG1775943</a>
Ethane	U		0.296	1.29	1	11/18/2021 14:12	<a href="#">WG1775943</a>
Ethene	U		0.422	1.27	1	11/18/2021 14:12	<a href="#">WG1775943</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.16	J+ <u>C5</u>	0.548	1.00	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Benzene	U		0.0160	0.0400	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 02:51	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	0.0740	<u>J</u>	0.0680	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 02:51	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 02:51	<a href="#">WG1773461</a>

JC 1/20/22





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/13/2021 02:51	WG1773461
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 02:51	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 02:51	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 02:51	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 02:51	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 02:51	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 02:51	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 02:51	WG1773461
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 02:51	WG1773461
Ethylbenzene	0.0500	<u>J</u>	0.0212	0.100	1	11/13/2021 02:51	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 02:51	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 02:51	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 02:51	WG1773461
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 02:51	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 02:51	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 02:51	WG1773461
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 02:51	WG1773461
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/13/2021 02:51	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 02:51	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 02:51	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 02:51	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 02:51	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 02:51	WG1773461
Tetrachloroethene	0.0710	<u>J</u>	0.0280	0.100	1	11/13/2021 02:51	WG1773461
Toluene	0.276		0.0500	0.200	1	11/13/2021 02:51	WG1773461
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/13/2021 02:51	WG1773461
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/13/2021 02:51	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 02:51	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 02:51	WG1773461
Trichloroethene	U		0.0160	0.0400	1	11/13/2021 02:51	WG1773461
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 02:51	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 02:51	WG1773461
1,2,4-Trimethylbenzene	0.122	<u>J</u>	0.0464	0.200	1	11/13/2021 02:51	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 02:51	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 02:51	WG1773461
Vinyl chloride	U		0.0273	0.100	1	11/13/2021 02:51	WG1773461
Xylenes, Total	0.357		0.191	0.260	1	11/13/2021 02:51	WG1773461
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 02:51	WG1773461
Tetrahydrofuran	0.721	<u>J-</u> <u>C3</u>	0.0900	0.500	1	11/13/2021 02:51	WG1773461
Iodomethane	U		0.242	0.500	1	11/13/2021 02:51	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 02:51	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 02:51	WG1773461
(S) Toluene-d8	108			75.0-131		11/13/2021 02:51	WG1773461
(S) 4-Bromofluorobenzene	99.6			67.0-138		11/13/2021 02:51	WG1773461
(S) 1,2-Dichloroethane-d4	127			70.0-130		11/13/2021 02:51	WG1773461

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	317000		8450	20000	1	11/17/2021 09:07	<a href="#">WG1774795</a>

Sample Narrative:

L1429643-03 WG1774795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1850	<span style="color: red;">B</span>	102	1000	1	11/15/2021 16:59	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1940		28.1	100	1	12/02/2021 17:55	<a href="#">WG1781524</a>
Manganese	324		0.704	5.00	1	12/02/2021 17:55	<a href="#">WG1781524</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	129		0.287	0.678	1	11/19/2021 10:58	<a href="#">WG1775947</a>
Ethane	U		0.296	1.29	1	11/19/2021 10:58	<a href="#">WG1775947</a>
Ethene	U		0.422	1.27	1	11/19/2021 10:58	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.39	<span style="color: red;">J+</span> <span style="color: blue;">C5</span>	0.548	1.00	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Benzene	U		0.0160	0.0400	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 03:10	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 03:10	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 03:10	<a href="#">WG1773461</a>

JC 1/20/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/13/2021 03:10	WG1773461
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 03:10	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 03:10	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 03:10	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 03:10	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 03:10	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 03:10	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 03:10	WG1773461
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 03:10	WG1773461
Ethylbenzene	0.153		0.0212	0.100	1	11/13/2021 03:10	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 03:10	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 03:10	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 03:10	WG1773461
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 03:10	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 03:10	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 03:10	WG1773461
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 03:10	WG1773461
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 03:10	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 03:10	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 03:10	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 03:10	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 03:10	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 03:10	WG1773461
Tetrachloroethene	0.0390	J	0.0280	0.100	1	11/13/2021 03:10	WG1773461
Toluene	U		0.0500	0.200	1	11/13/2021 03:10	WG1773461
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 03:10	WG1773461
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 03:10	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 03:10	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 03:10	WG1773461
Trichloroethene	U		0.0160	0.0400	1	11/13/2021 03:10	WG1773461
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 03:10	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 03:10	WG1773461
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 03:10	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 03:10	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 03:10	WG1773461
Vinyl chloride	U		0.0273	0.100	1	11/13/2021 03:10	WG1773461
Xylenes, Total	0.892		0.191	0.260	1	11/13/2021 03:10	WG1773461
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 03:10	WG1773461
Tetrahydrofuran	276	J- C3	0.450	2.50	5	11/20/2021 12:57	WG1776946
Iodomethane	U		0.242	0.500	1	11/13/2021 03:10	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 03:10	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 03:10	WG1773461
(S) Toluene-d8	109			75.0-131		11/13/2021 03:10	WG1773461
(S) Toluene-d8	113			75.0-131		11/20/2021 12:57	WG1776946
(S) 4-Bromofluorobenzene	99.9			67.0-138		11/13/2021 03:10	WG1773461
(S) 4-Bromofluorobenzene	102			67.0-138		11/20/2021 12:57	WG1776946
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/13/2021 03:10	WG1773461
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/20/2021 12:57	WG1776946

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/20/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	339000		8450	20000	1	11/17/2021 09:11	<a href="#">WG1774795</a>

Sample Narrative:

L1429643-04 WG1774795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4770	<span style="color:red">E</span>	102	1000	1	11/15/2021 17:14	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7710		28.1	100	1	12/02/2021 17:58	<a href="#">WG1781524</a>
Manganese	865		0.704	5.00	1	12/02/2021 17:58	<a href="#">WG1781524</a>

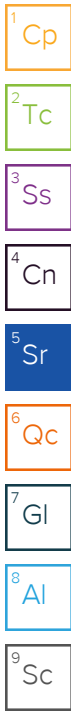
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4170		0.287	0.678	1	11/19/2021 11:02	<a href="#">WG1775947</a>
Ethane	72.0		0.296	1.29	1	11/19/2021 11:02	<a href="#">WG1775947</a>
Ethene	764		0.422	1.27	1	11/19/2021 11:02	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.86	<span style="color:red">J+</span> <span style="color:blue">C5</span>	0.548	1.00	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Benzene	0.0700		0.0160	0.0400	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 03:29	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 03:29	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,1-Dichloroethane	0.0500	<span style="color:blue">J</span>	0.0230	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>
1,1-Dichloroethene	3.59		0.0200	0.100	1	11/13/2021 03:29	<a href="#">WG1773461</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1800		2.76	10.0	100	11/20/2021 13:17	WG1776946
trans-1,2-Dichloroethene	5.73		0.0572	0.200	1	11/13/2021 03:29	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 03:29	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 03:29	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 03:29	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 03:29	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 03:29	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 03:29	WG1773461
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 03:29	WG1773461
Ethylbenzene	0.124		0.0212	0.100	1	11/13/2021 03:29	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 03:29	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 03:29	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 03:29	WG1773461
2-Butanone (MEK)	2.42		0.500	1.00	1	11/13/2021 03:29	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 03:29	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 03:29	WG1773461
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 03:29	WG1773461
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 03:29	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 03:29	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 03:29	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 03:29	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 03:29	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 03:29	WG1773461
Tetrachloroethene	U		0.0280	0.100	1	11/13/2021 03:29	WG1773461
Toluene	0.0590		0.0500	0.200	1	11/13/2021 03:29	WG1773461
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 03:29	WG1773461
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 03:29	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 03:29	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 03:29	WG1773461
Trichloroethene	3.48		0.0160	0.0400	1	11/13/2021 03:29	WG1773461
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 03:29	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 03:29	WG1773461
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 03:29	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 03:29	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 03:29	WG1773461
Vinyl chloride	2880		2.73	10.0	100	11/20/2021 13:17	WG1776946
Xylenes, Total	0.737		0.191	0.260	1	11/13/2021 03:29	WG1773461
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 03:29	WG1773461
Tetrahydrofuran	U	UJ C3	9.00	50.0	100	11/20/2021 13:17	WG1776946
Iodomethane	U		0.242	0.500	1	11/13/2021 03:29	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 03:29	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 03:29	WG1773461
(S) Toluene-d8	112			75.0-131		11/13/2021 03:29	WG1773461
(S) Toluene-d8	113			75.0-131		11/20/2021 13:17	WG1776946
(S) 4-Bromofluorobenzene	99.7			67.0-138		11/13/2021 03:29	WG1773461
(S) 4-Bromofluorobenzene	104			67.0-138		11/20/2021 13:17	WG1776946
(S) 1,2-Dichloroethane-d4	120			70.0-130		11/13/2021 03:29	WG1773461
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/20/2021 13:17	WG1776946

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	719000		8450	20000	1	11/17/2021 09:15	<a href="#">WG1774795</a>

Sample Narrative:

L1429643-05 WG1774795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10800		102	1000	1	11/15/2021 17:30	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	17800		28.1	100	1	12/02/2021 18:02	<a href="#">WG1781524</a>
Manganese	3470		0.704	5.00	1	12/02/2021 18:02	<a href="#">WG1781524</a>

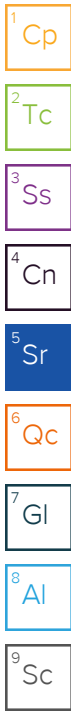
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6440		0.287	0.678	1	11/19/2021 11:06	<a href="#">WG1775947</a>
Ethane	26.7		0.296	1.29	1	11/19/2021 11:06	<a href="#">WG1775947</a>
Ethene	21.3		0.422	1.27	1	11/19/2021 11:06	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Benzene	29.3		0.0160	0.0400	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 03:48	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 03:48	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,2-Dichloroethane	0.293		0.0190	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>
1,1-Dichloroethene	4.20		0.0200	0.100	1	11/13/2021 03:48	<a href="#">WG1773461</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	471		0.276	1.00	10	11/20/2021 13:36	WG1776946
trans-1,2-Dichloroethene	2.28		0.0572	0.200	1	11/13/2021 03:48	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 03:48	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 03:48	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 03:48	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 03:48	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 03:48	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 03:48	WG1773461
Di-isopropyl ether	3.03		0.0140	0.0400	1	11/13/2021 03:48	WG1773461
Ethylbenzene	U		0.0212	0.100	1	11/13/2021 03:48	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 03:48	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 03:48	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 03:48	WG1773461
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 03:48	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 03:48	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 03:48	WG1773461
Methyl tert-butyl ether	1.52		0.0118	0.0400	1	11/13/2021 03:48	WG1773461
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 03:48	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 03:48	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 03:48	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 03:48	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 03:48	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 03:48	WG1773461
Tetrachloroethene	1.55		0.0280	0.100	1	11/13/2021 03:48	WG1773461
Toluene	0.308		0.0500	0.200	1	11/13/2021 03:48	WG1773461
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 03:48	WG1773461
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 03:48	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 03:48	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 03:48	WG1773461
Trichloroethene	137		0.160	0.400	10	11/20/2021 13:36	WG1776946
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 03:48	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 03:48	WG1773461
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 03:48	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 03:48	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 03:48	WG1773461
Vinyl chloride	136		0.273	1.00	10	11/20/2021 13:36	WG1776946
Xylenes, Total	U		0.191	0.260	1	11/13/2021 03:48	WG1773461
Ethyl Ether	1.29		0.0170	0.100	1	11/13/2021 03:48	WG1773461
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	11/13/2021 03:48	WG1773461
Iodomethane	U		0.242	0.500	1	11/13/2021 03:48	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 03:48	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 03:48	WG1773461
(S) Toluene-d8	111			75.0-131		11/13/2021 03:48	WG1773461
(S) Toluene-d8	112			75.0-131		11/20/2021 13:36	WG1776946
(S) 4-Bromofluorobenzene	101			67.0-138		11/13/2021 03:48	WG1773461
(S) 4-Bromofluorobenzene	103			67.0-138		11/20/2021 13:36	WG1776946
(S) 1,2-Dichloroethane-d4	121			70.0-130		11/13/2021 03:48	WG1773461
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/20/2021 13:36	WG1776946

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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## MEMORANDUM

**TO:** Project File **DATE:** January 24, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 443017-1413001.05.601 and 443017-1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 4th Quarter Monitoring 2021 – Groundwater Samples – Group 3

**LAB:** Pace Sample Delivery Groups (SDGs): SDGS L1429557, L1430829, L1430960, L1430961, and L1432692

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Twenty-nine (29) groundwater samples (including one field duplicate) and a trip blank were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, Seattle, Washington on November 9-12, 16, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Alkalinity by Method 2320 B-2011

The fourth quarter of RI sampling was conducted mostly between November – December 2021 and pending access agreements, the remaining samples will be collected in late January 2022. Analytical results are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Analytical results (anions) are also reported in multiple Work Orders from Fremont (includes Work Orders provided by subcontractor Analytical Resources, Inc). Group 3 analytical results are reported in SDGs L1429557, L1430829, L1430960, L1430961, and L1432692. The quality assurance review of the laboratory data associated with Group 3 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria



outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussion:

- SDG L1430960: The lab report was reissued (December 8, 2021) per PES's request due to a sample identification typo for sample SLC-MW101-111121.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met with the following exceptions:

- SDG L1430829: Sample MW-146-111021 result for acrylonitrile was analyzed one day past holding time and laboratory qualified (Q) due to holding time exceedance.  
**Acrylonitrile result for sample MW-146-111021 is estimated (UJ) due to holding time exceedance.**

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

### *General Chemistry (Alkalinity and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days) and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs).

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank with the following exceptions:

- SDG L1430960 (analytical batch WG1776151): A low level of gasoline was detected below the RDL in the method blank. Associated sample MW125-111121 gasoline

detection is laboratory qualified (BJ). **Sample MW125-11121 gasoline is qualified as not detected (U) due to method blank contamination.**

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections were reviewed, and detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1429557	WG1774457	9060A	TOC	613	J	1000	µg/L	NO
L1430829	WG1776235	9060A	TOC	556	J	1000	µg/L	NO
L1430960	WG1776236	9060A	TOC	446	J	1000	µg/L	NO
L1430961	WG1776236	9060A	TOC	446	J	1000	µg/L	NO
L1432692	WG1778478	9060A	TOC	594	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

**Trip Blank Results**

*USEPA Method 8260D:*

One trip blank (TB-111621) was collected and analyzed for VOCs. The target analytes were not detected in the trip blank at or above the RDLs.

**Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

Field, rinsate, or equipment blanks were not collected.

**Field Duplicate Analyses**

One field duplicate pair is submitted and analyzed. Field duplicate sample pair is as follows:

- SDG L1430961: Sample MW-339-111021 and field duplicate sample MW-960-111021

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results <5X the RDL) for the field duplicate pair with the following exceptions:

- SDG L1430961: Sample MW-339-111021 and field duplicate sample MW-960-111021 methane, acetone, and tetrahydrofuran results are not comparable and exceed RPD criteria.

**Sample MW-339-111021 and field duplicate MW-960-111021 methane, acetone, and tetrahydrofuran results are estimated and qualified (J).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or in cases only an LCS is available refer to field duplicate results for precision data.

#### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. No precision data are provided. No action is taken other than to note this.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate or MS/MSD results for precision data.

#### *General Chemistry (Alkalinity and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### **Surrogate Recoveries**

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

#### *NWTPH-Gx Method:*

The surrogate recovery results for the sample, laboratory control sample, and the blank are within the laboratory surrogate control limits.

### **Laboratory Control Samples**

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDG L1432692 - Analytical batch WG1777260: LCS/LCSD RPD for carbon tetrachloride exceeds acceptance criteria. No action is taken in this case since the

recoveries are within acceptance criteria but are recovered wide. LCS/LCSD % recoveries for 1,1,2,2-tetrachloroethane are below laboratory acceptance criteria and are laboratory qualified (J4). **Associated sample (MW-318-111221 and MW-317-111221) 1,1,2,2-tetrachloroethane results are estimated and qualified (UJ).**

- SDG L1432692 - Analytical batch WG1779075: LCS/LCSD RPDs for multiple compounds are above acceptance criteria and are laboratory qualified (J3). In these cases, no action is taken since both LCS/LCSD recoveries are within criteria.

*NWTPH-Gx Method:*

LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. Precision data were not provided. No action is taken other than to note this.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were not performed. Refer to LCS, LCS/LCSD, and field duplicate results for accuracy and precision data.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to LCS results for accuracy data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were not performed. Refer to LCS/LCSD results for accuracy and precision data.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1429557: Matrix spike analyses were performed on client sample MW-313-110921. Manganese MS/MSD recoveries are outside of criteria and laboratory qualified (V). No action is taken since the spike was performed on batch QC.

*General Chemistry (Alkalinity and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS, field duplicate, or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD, and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	163000		8450	20000	1	11/17/2021 08:35	<a href="#">WG1774795</a>

Sample Narrative:

L1429557-01 WG1774795: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1420	<span style="color: red;">B</span>	102	1000	1	11/15/2021 13:58	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1590		28.1	100	1	12/02/2021 17:23	<a href="#">WG1781524</a>
Manganese	333		0.704	5.00	1	12/02/2021 17:23	<a href="#">WG1781524</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	93.9		0.287	0.678	1	11/18/2021 14:02	<a href="#">WG1775943</a>
Ethane	U		0.296	1.29	1	11/18/2021 14:02	<a href="#">WG1775943</a>
Ethene	U		0.422	1.27	1	11/18/2021 14:02	<a href="#">WG1775943</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.52	<span style="color: red;">J+</span> <span style="color: blue;">C5</span>	0.548	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Benzene	U		0.0160	0.0400	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>

JC 1/20/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Ethylbenzene	0.144		0.0212	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
2-Butanone (MEK)	2.72		0.500	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Methylene Chloride	U		0.265	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Styrene	U		0.109	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Tetrachloroethene	U		0.0280	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Toluene	U		0.0500	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Trichloroethene	U		0.0160	0.0400	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Vinyl chloride	U		0.0273	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Xylenes, Total	0.749		0.191	0.260	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Tetrahydrofuran	10.8	J- C3	0.0900	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Iodomethane	U		0.242	0.500	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Allyl chloride	U		0.580	1.00	1	11/13/2021 00:56	<a href="#">WG1773461</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 00:56	<a href="#">WG1773461</a>
(S) Toluene-d8	109			75.0-131		11/13/2021 00:56	<a href="#">WG1773461</a>
(S) 4-Bromofluorobenzene	99.8			67.0-138		11/13/2021 00:56	<a href="#">WG1773461</a>
(S) 1,2-Dichloroethane-d4	125			70.0-130		11/13/2021 00:56	<a href="#">WG1773461</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	329000		8450	20000	1	11/17/2021 08:39	<a href="#">WG1774795</a>

Sample Narrative:

L1429557-02 WG1774795: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2200	<span style="color:red">-B</span>	102	1000	1	11/15/2021 14:47	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8400		28.1	100	1	12/02/2021 17:10	<a href="#">WG1781524</a>
Manganese	1430	<span style="color:red">-V</span>	0.704	5.00	1	12/02/2021 17:10	<a href="#">WG1781524</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	113		0.287	0.678	1	11/19/2021 10:43	<a href="#">WG1775947</a>
Ethane	U		0.296	1.29	1	11/19/2021 10:43	<a href="#">WG1775947</a>
Ethene	U		0.422	1.27	1	11/19/2021 10:43	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.41	<span style="color:red">J+</span> <span style="color:blue">C5</span>	0.548	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Benzene	0.0200	<span style="color:blue">J</span>	0.0160	0.0400	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>

JC 1/20/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5.28		0.0276	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Ethylbenzene	0.0860	<u>J</u>	0.0212	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
2-Butanone (MEK)	3.14		0.500	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Methylene Chloride	U		0.265	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Styrene	U		0.109	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Tetrachloroethene	U		0.0280	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Toluene	U		0.0500	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Trichloroethene	U		0.0160	0.0400	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Vinyl chloride	0.932		0.0273	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Xylenes, Total	0.394		0.191	0.260	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Ethyl Ether	0.0560	<u>J</u>	0.0170	0.100	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Tetrahydrofuran	8.98	<u>J-</u> <u>C3</u>	0.0900	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Iodomethane	U		0.242	0.500	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Allyl chloride	U		0.580	1.00	1	11/13/2021 01:15	<a href="#">WG1773461</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 01:15	<a href="#">WG1773461</a>
(S) Toluene-d8	109			75.0-131		11/13/2021 01:15	<a href="#">WG1773461</a>
(S) 4-Bromofluorobenzene	102			67.0-138		11/13/2021 01:15	<a href="#">WG1773461</a>
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/13/2021 01:15	<a href="#">WG1773461</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	373000		8450	20000	1	11/17/2021 08:42	<a href="#">WG1774795</a>

Sample Narrative:

L1429557-03 WG1774795: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2980	<span style="color: red;">E</span>	102	1000	1	11/15/2021 15:02	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5590		28.1	100	1	12/02/2021 17:26	<a href="#">WG1781524</a>
Manganese	2230		0.704	5.00	1	12/02/2021 17:26	<a href="#">WG1781524</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3080		0.287	0.678	1	11/19/2021 10:47	<a href="#">WG1775947</a>
Ethane	16.1		0.296	1.29	1	11/19/2021 10:47	<a href="#">WG1775947</a>
Ethene	U		0.422	1.27	1	11/19/2021 10:47	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.45	<span style="color: red;">J+</span> <span style="color: blue;">C5</span>	0.548	1.00	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Benzene	0.102		0.0160	0.0400	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 01:34	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 01:34	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>
1,1-Dichloroethene	3.52		0.0200	0.100	1	11/13/2021 01:34	<a href="#">WG1773461</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	521		0.276	1.00	10	11/20/2021 12:00	WG1776946
trans-1,2-Dichloroethene	2.32		0.0572	0.200	1	11/13/2021 01:34	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 01:34	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 01:34	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 01:34	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 01:34	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 01:34	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 01:34	WG1773461
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 01:34	WG1773461
Ethylbenzene	0.0830	J	0.0212	0.100	1	11/13/2021 01:34	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 01:34	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 01:34	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 01:34	WG1773461
2-Butanone (MEK)	1.25		0.500	1.00	1	11/13/2021 01:34	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 01:34	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 01:34	WG1773461
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 01:34	WG1773461
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 01:34	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 01:34	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 01:34	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 01:34	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 01:34	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 01:34	WG1773461
Tetrachloroethene	473		0.280	1.00	10	11/20/2021 12:00	WG1776946
Toluene	U		0.0500	0.200	1	11/13/2021 01:34	WG1773461
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 01:34	WG1773461
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 01:34	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 01:34	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 01:34	WG1773461
Trichloroethene	228		0.160	0.400	10	11/20/2021 12:00	WG1776946
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 01:34	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 01:34	WG1773461
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/13/2021 01:34	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 01:34	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 01:34	WG1773461
Vinyl chloride	22.3		0.0273	0.100	1	11/13/2021 01:34	WG1773461
Xylenes, Total	0.432		0.191	0.260	1	11/13/2021 01:34	WG1773461
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 01:34	WG1773461
Tetrahydrofuran	5.27	J- C3	0.0900	0.500	1	11/13/2021 01:34	WG1773461
Iodomethane	U		0.242	0.500	1	11/13/2021 01:34	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 01:34	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 01:34	WG1773461
(S) Toluene-d8	110			75.0-131		11/13/2021 01:34	WG1773461
(S) Toluene-d8	112			75.0-131		11/20/2021 12:00	WG1776946
(S) 4-Bromofluorobenzene	102			67.0-138		11/13/2021 01:34	WG1773461
(S) 4-Bromofluorobenzene	106			67.0-138		11/20/2021 12:00	WG1776946
(S) 1,2-Dichloroethane-d4	124			70.0-130		11/13/2021 01:34	WG1773461
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/20/2021 12:00	WG1776946

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	363000		8450	20000	1	11/17/2021 08:46	<a href="#">WG1774795</a>

Sample Narrative:

L1429557-04 WG1774795: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3120	<del>B</del>	102	1000	1	11/15/2021 15:47	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6730		28.1	100	1	12/02/2021 17:29	<a href="#">WG1781524</a>
Manganese	2210		0.704	5.00	1	12/02/2021 17:29	<a href="#">WG1781524</a>

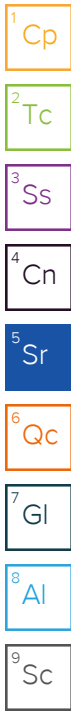
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2630		0.287	0.678	1	11/19/2021 10:51	<a href="#">WG1775947</a>
Ethane	U		0.296	1.29	1	11/19/2021 10:51	<a href="#">WG1775947</a>
Ethene	U		0.422	1.27	1	11/19/2021 10:51	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.20	J+ C5	0.548	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Benzene	0.123		0.0160	0.0400	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.00		0.0276	0.100	1	11/20/2021 12:19	<a href="#">WG1776946</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Di-isopropyl ether	0.0670		0.0140	0.0400	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Ethylbenzene	0.0560	U	0.0212	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Methylene Chloride	U		0.265	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Styrene	U		0.109	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Tetrachloroethene	0.0370	U	0.0280	0.100	1	11/20/2021 12:19	<a href="#">WG1776946</a>
Toluene	0.272		0.0500	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 12:19	<a href="#">WG1776946</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2,4-Trimethylbenzene	0.144	U	0.0464	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,2,3-Trimethylbenzene	0.0710	U	0.0460	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Vinyl chloride	4.18		0.0273	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Xylenes, Total	0.421		0.191	0.260	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Tetrahydrofuran	0.504	J- C3	0.0900	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Iodomethane	U		0.242	0.500	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Allyl chloride	U		0.580	1.00	1	11/13/2021 01:53	<a href="#">WG1773461</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 01:53	<a href="#">WG1773461</a>
(S) Toluene-d8	109			75.0-131		11/13/2021 01:53	<a href="#">WG1773461</a>
(S) Toluene-d8	113			75.0-131		11/20/2021 12:19	<a href="#">WG1776946</a>
(S) 4-Bromofluorobenzene	99.9			67.0-138		11/13/2021 01:53	<a href="#">WG1773461</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/20/2021 12:19	<a href="#">WG1776946</a>
(S) 1,2-Dichloroethane-d4	124			70.0-130		11/13/2021 01:53	<a href="#">WG1773461</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/20/2021 12:19	<a href="#">WG1776946</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	559000		8450	20000	1	11/17/2021 08:57	<a href="#">WG1774795</a>

Sample Narrative:

L1429557-05 WG1774795: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8030		102	1000	1	11/15/2021 16:03	<a href="#">WG1774457</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	27300		28.1	100	1	12/02/2021 17:33	<a href="#">WG1781524</a>
Manganese	2520		0.704	5.00	1	12/02/2021 17:33	<a href="#">WG1781524</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18400		2.87	6.78	10	11/23/2021 13:43	<a href="#">WG1778894</a>
Ethane	U		0.296	1.29	1	11/19/2021 10:54	<a href="#">WG1775947</a>
Ethene	U		0.422	1.27	1	11/19/2021 10:54	<a href="#">WG1775947</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Acrylonitrile	U		0.0760	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Benzene	0.198		0.0160	0.0400	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Bromobenzene	U		0.0420	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Bromodichloromethane	U		0.0315	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Bromoform	U		0.239	1.00	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Bromomethane	U		0.148	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
n-Butylbenzene	U		0.153	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
sec-Butylbenzene	U		0.101	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Chlorobenzene	U		0.0229	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Chloroethane	U		0.0432	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Chloroform	U		0.0166	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Chloromethane	U		0.0556	0.500	1	11/13/2021 02:12	<a href="#">WG1773461</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Dibromomethane	U		0.0400	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/13/2021 02:12	<a href="#">WG1773461</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/13/2021 02:12	<a href="#">WG1773461</a>

JC 1/20/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2.45		0.0276	0.100	1	11/20/2021 12:38	WG1776946
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/13/2021 02:12	WG1773461
1,2-Dichloropropane	U		0.0508	0.200	1	11/13/2021 02:12	WG1773461
1,1-Dichloropropene	U		0.0280	0.100	1	11/13/2021 02:12	WG1773461
1,3-Dichloropropane	U		0.0700	0.200	1	11/13/2021 02:12	WG1773461
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/13/2021 02:12	WG1773461
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/13/2021 02:12	WG1773461
2,2-Dichloropropane	U		0.0317	0.100	1	11/13/2021 02:12	WG1773461
Di-isopropyl ether	U		0.0140	0.0400	1	11/13/2021 02:12	WG1773461
Ethylbenzene	0.0590	J	0.0212	0.100	1	11/13/2021 02:12	WG1773461
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/13/2021 02:12	WG1773461
Isopropylbenzene	U		0.0345	0.100	1	11/13/2021 02:12	WG1773461
p-Isopropyltoluene	U		0.0932	0.200	1	11/13/2021 02:12	WG1773461
2-Butanone (MEK)	U		0.500	1.00	1	11/13/2021 02:12	WG1773461
Methylene Chloride	U		0.265	1.00	1	11/13/2021 02:12	WG1773461
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/13/2021 02:12	WG1773461
Methyl tert-butyl ether	0.0670		0.0118	0.0400	1	11/13/2021 02:12	WG1773461
Naphthalene	U	UJ C3	0.124	0.500	1	11/13/2021 02:12	WG1773461
n-Propylbenzene	U		0.0472	0.200	1	11/13/2021 02:12	WG1773461
Styrene	U		0.109	0.500	1	11/13/2021 02:12	WG1773461
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/13/2021 02:12	WG1773461
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/13/2021 02:12	WG1773461
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/13/2021 02:12	WG1773461
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 12:38	WG1776946
Toluene	0.250		0.0500	0.200	1	11/13/2021 02:12	WG1773461
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/13/2021 02:12	WG1773461
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	11/13/2021 02:12	WG1773461
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/13/2021 02:12	WG1773461
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/13/2021 02:12	WG1773461
Trichloroethene	U		0.0160	0.0400	1	11/13/2021 02:12	WG1773461
Trichlorofluoromethane	U		0.0200	0.100	1	11/13/2021 02:12	WG1773461
1,2,3-Trichloropropane	U		0.204	0.500	1	11/13/2021 02:12	WG1773461
1,2,4-Trimethylbenzene	0.139	J	0.0464	0.200	1	11/13/2021 02:12	WG1773461
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/13/2021 02:12	WG1773461
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/13/2021 02:12	WG1773461
Vinyl chloride	1.81		0.0273	0.100	1	11/13/2021 02:12	WG1773461
Xylenes, Total	0.412		0.191	0.260	1	11/13/2021 02:12	WG1773461
Ethyl Ether	U		0.0170	0.100	1	11/13/2021 02:12	WG1773461
Tetrahydrofuran	0.173	J C3 J	0.0900	0.500	1	11/13/2021 02:12	WG1773461
Iodomethane	U		0.242	0.500	1	11/13/2021 02:12	WG1773461
Allyl chloride	U		0.580	1.00	1	11/13/2021 02:12	WG1773461
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/13/2021 02:12	WG1773461
(S) Toluene-d8	110			75.0-131		11/13/2021 02:12	WG1773461
(S) Toluene-d8	112			75.0-131		11/20/2021 12:38	WG1776946
(S) 4-Bromofluorobenzene	99.7			67.0-138		11/13/2021 02:12	WG1773461
(S) 4-Bromofluorobenzene	103			67.0-138		11/20/2021 12:38	WG1776946
(S) 1,2-Dichloroethane-d4	126			70.0-130		11/13/2021 02:12	WG1773461
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/20/2021 12:38	WG1776946

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/20/22



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	419000		8450	20000	1	11/18/2021 06:38	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-01 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6600		102	1000	1	11/18/2021 19:29	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6800		28.1	100	1	12/06/2021 21:43	<a href="#">WG1782918</a>
Manganese	1360		0.704	5.00	1	12/06/2021 21:43	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16900		2.87	6.78	10	11/21/2021 09:14	<a href="#">WG1777790</a>
Ethane	998		0.296	1.29	1	11/20/2021 15:51	<a href="#">WG1777789</a>
Ethene	930		0.422	1.27	1	11/20/2021 15:51	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	20.8		5.48	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Acrylonitrile	U	UJ Q	0.760	5.00	10	11/25/2021 08:53	<a href="#">WG1780135</a>
Benzene	U		0.160	0.400	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Bromobenzene	U		0.420	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Bromodichloromethane	U		0.315	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Bromoform	U		2.39	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Bromomethane	U		1.48	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
n-Butylbenzene	U		1.53	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
sec-Butylbenzene	U		1.01	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
tert-Butylbenzene	U		0.620	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Carbon tetrachloride	U		0.432	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Chlorobenzene	U		0.229	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Chlorodibromomethane	U		0.180	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Chloroethane	U		0.432	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Chloroform	U		0.166	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Chloromethane	U		0.556	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
2-Chlorotoluene	U		0.368	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
4-Chlorotoluene	U		0.452	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2-Dibromoethane	U		0.210	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Dibromomethane	U		0.400	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Dichlorodifluoromethane	U		0.327	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1-Dichloroethane	U		0.230	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2-Dichloroethane	U		0.190	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1-Dichloroethene	U		0.200	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	47.5		0.276	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
trans-1,2-Dichloroethene	2.03		0.572	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2-Dichloropropane	U		0.508	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1-Dichloropropene	U		0.280	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,3-Dichloropropane	U		0.700	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
2,2-Dichloropropane	U		0.317	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Di-isopropyl ether	U		0.140	0.400	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Ethylbenzene	U		0.212	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Isopropylbenzene	U		0.345	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
p-Isopropyltoluene	U		0.932	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
2-Butanone (MEK)	U		5.00	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Methylene Chloride	U		2.65	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Methyl tert-butyl ether	U		0.118	0.400	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Naphthalene	U	UJ C3	1.24	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
n-Propylbenzene	U		0.472	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Styrene	U		1.09	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Tetrachloroethene	U		0.280	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Toluene	U		0.500	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,1,2-Trichloroethane	U		0.353	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Trichloroethene	U		0.160	0.400	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Trichlorofluoromethane	U		0.200	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Vinyl chloride	251		0.273	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Xylenes, Total	U		1.91	2.60	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Ethyl Ether	U		0.170	1.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Tetrahydrofuran	U		0.900	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Iodomethane	U		2.42	5.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Allyl chloride	U		5.80	10.0	10	11/24/2021 15:02	<a href="#">WG1779495</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	11/24/2021 15:02	<a href="#">WG1779495</a>
(S) Toluene-d8	103			75.0-131		11/24/2021 15:02	<a href="#">WG1779495</a>
(S) Toluene-d8	106			75.0-131		11/25/2021 08:53	<a href="#">WG1780135</a>
(S) 4-Bromofluorobenzene	112			67.0-138		11/24/2021 15:02	<a href="#">WG1779495</a>
(S) 4-Bromofluorobenzene	95.1			67.0-138		11/25/2021 08:53	<a href="#">WG1780135</a>
(S) 1,2-Dichloroethane-d4	120			70.0-130		11/24/2021 15:02	<a href="#">WG1779495</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/25/2021 08:53	<a href="#">WG1780135</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	164000		8450	20000	1	11/18/2021 06:41	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-02 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1430	<span style="color: red;">-B</span>	102	1000	1	11/18/2021 19:41	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	584		28.1	100	1	12/06/2021 21:46	<a href="#">WG1782918</a>
Manganese	28.5		0.704	5.00	1	12/06/2021 21:46	<a href="#">WG1782918</a>

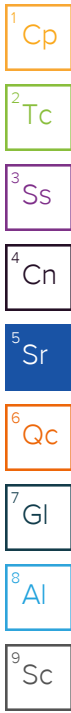
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/20/2021 15:57	<a href="#">WG1777789</a>
Ethane	U		0.296	1.29	1	11/20/2021 15:57	<a href="#">WG1777789</a>
Ethene	U		0.422	1.27	1	11/20/2021 15:57	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.87		0.548	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Chloroform	0.0870	<span style="color: blue;">J</span>	0.0166	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0452	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>

JC 1/20/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.211		0.0276	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Ethylbenzene	0.0850	<u>J</u>	0.0212	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	<u>UJ</u> <u>C3</u>	0.0156	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Tetrachloroethene	6.38		0.0280	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Trichloroethene	0.530		0.0160	0.0400	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Xylenes, Total	0.366		0.191	0.260	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Tetrahydrofuran	1.42		0.0900	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 19:47	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 19:47	<a href="#">WG1777251</a>
(S) Toluene-d8	114			75.0-131		11/19/2021 19:47	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	102			67.0-138		11/19/2021 19:47	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/19/2021 19:47	<a href="#">WG1777251</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	144000		8450	20000	1	11/18/2021 06:45	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-03 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1590	<span style="color: red;">E</span>	102	1000	1	11/18/2021 20:04	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2440		28.1	100	1	12/06/2021 21:50	<a href="#">WG1782918</a>
Manganese	759		0.704	5.00	1	12/06/2021 21:50	<a href="#">WG1782918</a>

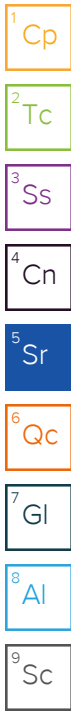
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	31.1		0.287	0.678	1	11/20/2021 16:00	<a href="#">WG1777789</a>
Ethane	U		0.296	1.29	1	11/20/2021 16:00	<a href="#">WG1777789</a>
Ethene	U		0.422	1.27	1	11/20/2021 16:00	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0452	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>

JC 1/20/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Ethylbenzene	0.0300	<u>J</u>	0.0212	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	<u>UJ</u> <u>C3</u>	0.0156	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Xylenes, Total	0.273		0.191	0.260	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Tetrahydrofuran	0.901		0.0900	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 20:06	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 20:06	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 20:06	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	102			67.0-138		11/19/2021 20:06	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/19/2021 20:06	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	195000		8450	20000	1	11/18/2021 07:09	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-04 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1220	<u>B</u>	102	1000	1	11/18/2021 20:17	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3760		28.1	100	1	12/06/2021 21:53	<a href="#">WG1782918</a>
Manganese	454		0.704	5.00	1	12/06/2021 21:53	<a href="#">WG1782918</a>

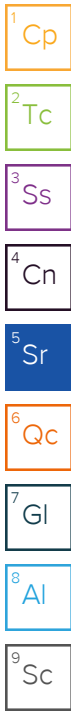
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	177		0.287	0.678	1	11/20/2021 16:04	<a href="#">WG1777789</a>
Ethane	U		0.296	1.29	1	11/20/2021 16:04	<a href="#">WG1777789</a>
Ethene	U		0.422	1.27	1	11/20/2021 16:04	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Benzene	0.0210	<u>J</u>	0.0160	0.0400	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Chloroform	0.0570	<u>J</u>	0.0166	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<u>UJ</u> <u>C3</u>	0.0452	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1-Dichloroethane	1.88		0.0230	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2-Dichloroethane	0.255		0.0190	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1-Dichloroethene	0.336		0.0200	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	27.2		0.0276	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	0.143	<u>J</u>	0.0572	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2-Dichloropropane	0.631		0.0508	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Naphthalene	U	<b>UJ</b> <u>C3</u>	0.124	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	<b>UJ</b> <u>C3</u>	0.0156	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	0.273		0.0270	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Tetrachloroethene	57.9		0.0280	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	<b>UJ</b> <u>C4</u>	0.0250	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	0.179		0.0110	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Trichloroethene	14.9		0.0160	0.0400	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Vinyl chloride	0.611		0.0273	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Tetrahydrofuran	0.365	<u>J</u>	0.0900	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 20:26	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 20:26	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 20:26	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	102			67.0-138		11/19/2021 20:26	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		11/19/2021 20:26	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	507000		8450	20000	1	11/18/2021 07:12	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-05 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4060	<del>B</del>	102	1000	1	11/18/2021 20:35	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	19000		28.1	100	1	12/06/2021 21:05	<a href="#">WG1782918</a>
Manganese	1770		0.704	5.00	1	12/06/2021 21:05	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

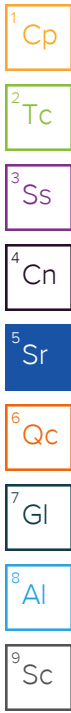
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/16/2021 11:13	<a href="#">WG1774385</a>
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		11/16/2021 11:13	<a href="#">WG1774385</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	652		0.287	0.678	1	11/20/2021 16:13	<a href="#">WG1777789</a>
Ethane	U		0.296	1.29	1	11/20/2021 16:13	<a href="#">WG1777789</a>
Ethene	U		0.422	1.27	1	11/20/2021 16:13	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Benzene	0.0290	J	0.0160	0.0400	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
cis-1,2-Dichloroethene	0.0730	<u>J</u>	0.0276	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	<u>UJ</u> <u>C3</u>	0.0156	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Tetrachloroethene	0.0680	<u>J</u>	0.0280	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Vinyl chloride	0.142		0.0273	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 20:45	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 20:45	<a href="#">WG1777251</a>
(S) Toluene-d8	114			75.0-131		11/19/2021 20:45	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 20:45	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		11/19/2021 20:45	<a href="#">WG1777251</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	280000		8450	20000	1	11/18/2021 07:16	<a href="#">WG1776296</a>

Sample Narrative:

L1430829-06 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3150	<u>B</u>	102	1000	1	11/18/2021 20:54	<a href="#">WG1776235</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12000		28.1	100	1	12/06/2021 21:08	<a href="#">WG1782918</a>
Manganese	737		0.704	5.00	1	12/06/2021 21:08	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	105		0.287	0.678	1	11/20/2021 16:16	<a href="#">WG1777789</a>
Ethane	U		0.296	1.29	1	11/20/2021 16:16	<a href="#">WG1777789</a>
Ethene	U		0.422	1.27	1	11/20/2021 16:16	<a href="#">WG1777789</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

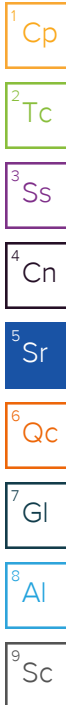
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Benzene	0.0190	<u>J</u>	0.0160	0.0400	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<u>UJ</u> <u>C3</u>	0.0452	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1-Dichloroethane	0.666		0.0230	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Vinyl chloride	0.218		0.0273	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 21:04	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 21:04	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 21:04	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 21:04	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		11/19/2021 21:04	<a href="#">WG1777251</a>



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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	358000		8450	20000	1	11/18/2021 07:19	<a href="#">WG1776296</a>

Sample Narrative:

L1430960-01 WG1776296: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8710		102	1000	1	11/19/2021 02:16	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9300		28.1	100	1	12/06/2021 21:12	<a href="#">WG1782918</a>
Manganese	3320		0.704	5.00	1	12/06/2021 21:12	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	65.6	U	<del>BJ</del> 31.6	100	1	11/17/2021 19:10	<a href="#">WG1776151</a>
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		11/17/2021 19:10	<a href="#">WG1776151</a>

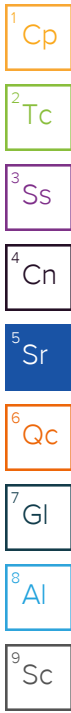
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4920		0.287	0.678	1	11/21/2021 09:19	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:19	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:19	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 21:23	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ	<del>C3</del> 0.0452	0.200	1	11/19/2021 21:23	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 21:23	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 21:23	<a href="#">WG1777251</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 21:23	<a href="#">WG177251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 21:23	<a href="#">WG177251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 21:23	<a href="#">WG177251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 21:23	<a href="#">WG177251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 21:23	<a href="#">WG177251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 21:23	<a href="#">WG177251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
Styrene	U		0.109	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 21:23	<a href="#">WG177251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 21:23	<a href="#">WG177251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 21:23	<a href="#">WG177251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 21:23	<a href="#">WG177251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 21:23	<a href="#">WG177251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 21:23	<a href="#">WG177251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 21:23	<a href="#">WG177251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 21:23	<a href="#">WG177251</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/19/2021 21:23	<a href="#">WG177251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	250000		8450	20000	1	11/18/2021 06:49	<a href="#">WG1776298</a>

Sample Narrative:

L1430960-02 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1910	<span style="color: red;">E</span>	102	1000	1	11/19/2021 03:09	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	649		28.1	100	1	12/06/2021 20:46	<a href="#">WG1782918</a>
Manganese	709		0.704	5.00	1	12/06/2021 20:46	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	253		0.287	0.678	1	11/21/2021 09:24	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:24	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:24	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Benzene	0.241		0.0160	0.0400	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Bromobenzene	U		0.0420	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Bromoform	U		0.239	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Bromomethane	U		0.148	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Chloroethane	U		0.0432	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Chloroform	U		0.0166	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Chloromethane	U		0.0556	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
4-Chlorotoluene	U	<span style="color: red;">UJ</span>	<span style="color: blue;">C3</span>	0.0452	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Dibromomethane	U		0.0400	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>	

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.115		0.0276	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Tetrachloroethene	0.0500	J	0.0280	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Vinyl chloride	14.6		0.0273	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 21:42	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 21:42	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 21:42	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/19/2021 21:42	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		11/19/2021 21:42	<a href="#">WG1777251</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/20/2022



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	600000		8450	20000	1	11/18/2021 06:52	<a href="#">WG1776298</a>

Sample Narrative:

L1430960-03 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8170		102	1000	1	11/19/2021 03:26	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9060		28.1	100	1	12/06/2021 20:52	<a href="#">WG1782918</a>
Manganese	3100		0.704	5.00	1	12/06/2021 20:52	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2830		0.287	0.678	1	11/21/2021 09:29	<a href="#">WG1777790</a>
Ethane	20.7		0.296	1.29	1	11/21/2021 09:29	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:29	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Benzene	8.39		0.0160	0.0400	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1-Dichloroethane	0.0640	J	0.0230	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1-Dichloroethene	0.110		0.0200	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	38.6		0.0276	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	0.827		0.0572	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Isopropylbenzene	0.771		0.0345	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Methyl tert-butyl ether	0.0480		0.0118	0.0400	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
n-Propylbenzene	0.136	U	0.0472	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Toluene	0.0840	U	0.0500	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Vinyl chloride	20.7		0.0273	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 22:01	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 22:01	<a href="#">WG1777251</a>
(S) Toluene-d8	114			75.0-131		11/19/2021 22:01	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 22:01	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		11/19/2021 22:01	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	178000		8450	20000	1	11/18/2021 06:56	<a href="#">WG1776298</a>

Sample Narrative:

L1430960-04 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1690	<del>B</del>	102	1000	1	11/19/2021 03:40	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	337		28.1	100	1	12/06/2021 20:55	<a href="#">WG1782918</a>
Manganese	457		0.704	5.00	1	12/06/2021 20:55	<a href="#">WG1782918</a>

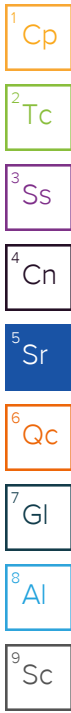
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	44.3		0.287	0.678	1	11/21/2021 09:34	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:34	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:34	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Tetrachloroethene	0.0360	J	0.0280	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 22:21	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 22:21	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 22:21	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/19/2021 22:21	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/19/2021 22:21	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

## Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	551000		8450	20000	1	11/18/2021 07:00	<a href="#">WG1776298</a>

## Sample Narrative:

L1430960-05 WG1776298: Endpoint pH 4.5 Headspace

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6530		102	1000	1	11/19/2021 03:56	<a href="#">WG1776236</a>

## Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19900		28.1	100	1	12/06/2021 20:58	<a href="#">WG1782918</a>
Manganese	1370		0.704	5.00	1	12/06/2021 20:58	<a href="#">WG1782918</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	138		0.287	0.678	1	11/21/2021 09:41	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:41	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:41	<a href="#">WG1777790</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Benzene	6.77		0.0160	0.0400	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
n-Butylbenzene	2.23		0.153	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
sec-Butylbenzene	6.48		0.101	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
tert-Butylbenzene	0.188	J	0.0620	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 01:50	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 01:50	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 01:50	<a href="#">WG1777251</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Di-isopropyl ether	0.0950		0.0140	0.0400	1	11/20/2021 01:50	<a href="#">WG177251</a>
Ethylbenzene	0.454		0.0212	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 01:50	<a href="#">WG177251</a>
Isopropylbenzene	18.2		0.0345	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/20/2021 01:50	<a href="#">WG177251</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 01:50	<a href="#">WG177251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 01:50	<a href="#">WG177251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/20/2021 01:50	<a href="#">WG177251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
n-Propylbenzene	41.1		0.0472	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
Styrene	U		0.109	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Toluene	0.542		0.0500	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 01:50	<a href="#">WG177251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2,4-Trimethylbenzene	1.20		0.0464	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,2,3-Trimethylbenzene	0.630		0.0460	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
1,3,5-Trimethylbenzene	0.121	U	0.0432	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
Vinyl chloride	U		0.0273	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Xylenes, Total	1.90		0.191	0.260	1	11/20/2021 01:50	<a href="#">WG177251</a>
Ethyl Ether	0.200		0.0170	0.100	1	11/20/2021 01:50	<a href="#">WG177251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 01:50	<a href="#">WG177251</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 01:50	<a href="#">WG177251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 01:50	<a href="#">WG177251</a>
(S) Toluene-d8	111			75.0-131		11/20/2021 01:50	<a href="#">WG177251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/20/2021 01:50	<a href="#">WG177251</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		11/20/2021 01:50	<a href="#">WG177251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	190000		8450	20000	1	11/18/2021 07:03	<a href="#">WG1776298</a>

Sample Narrative:

L1430960-06 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2480	<span style="color: red;">B</span>	102	1000	1	11/19/2021 04:11	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	434		28.1	100	1	12/06/2021 21:01	<a href="#">WG1782918</a>
Manganese	254		0.704	5.00	1	12/06/2021 21:01	<a href="#">WG1782918</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	420		0.287	0.678	1	11/21/2021 09:45	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:45	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:45	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0452	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 22:40	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 22:40	<a href="#">WG1777251</a>
(S) Toluene-d8	112			75.0-131		11/19/2021 22:40	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	109			67.0-138		11/19/2021 22:40	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/19/2021 22:40	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/2022



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	458000		8450	20000	1	11/18/2021 07:07	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-01 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4640		102	1000	1	11/19/2021 04:58	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6980		140	500	5	12/08/2021 10:24	<a href="#">WG1782919</a>
Manganese	201		0.704	5.00	1	12/08/2021 03:37	<a href="#">WG1782919</a>

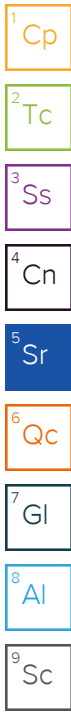
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16600		2.87	6.78	10	11/21/2021 15:37	<a href="#">WG1777983</a>
Ethane	U		0.296	1.29	1	11/21/2021 09:52	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 09:52	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Benzene	6.21		0.0160	0.0400	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Chloroform	0.130		0.0166	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.255		0.0276	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Vinyl chloride	2.03		0.0273	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 22:59	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 22:59	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 22:59	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/19/2021 22:59	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		11/19/2021 22:59	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	174000		8450	20000	1	11/18/2021 07:14	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-02 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4930		102	1000	1	11/19/2021 05:13	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	589		28.1	100	1	12/08/2021 03:40	<a href="#">WG1782919</a>
Manganese	206		0.704	5.00	1	12/08/2021 03:40	<a href="#">WG1782919</a>

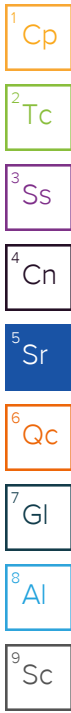
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	26.1	J	0.287	0.678	1	11/21/2021 10:00	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:00	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:00	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.53	J	0.548	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>

JC 1/20/22



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0430	J	0.0276	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
2-Butanone (MEK)	1.54		0.500	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Tetrahydrofuran	3.13	J	0.0900	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 23:18	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 23:18	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/19/2021 23:18	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 23:18	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/19/2021 23:18	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	115000		8450	20000	1	11/18/2021 07:18	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-03 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1030	<u>B</u>	102	1000	1	11/19/2021 05:27	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	29300		562	2000	20	12/08/2021 10:27	<a href="#">WG1782919</a>
Manganese	857		14.1	100	20	12/08/2021 10:27	<a href="#">WG1782919</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	53.2		0.287	0.678	1	11/21/2021 10:04	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:04	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:04	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.53		0.548	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<u>UJ</u> <u>C3</u>	0.0452	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>

JC 1/20/22

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Ethylbenzene	0.159		0.0212	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
2-Butanone (MEK)	1.89		0.500	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Xylenes, Total	0.781		0.191	0.260	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Tetrahydrofuran	5.06		0.0900	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 23:37	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 23:37	<a href="#">WG1777251</a>
(S) Toluene-d8	114			75.0-131		11/19/2021 23:37	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/19/2021 23:37	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/19/2021 23:37	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	386000		8450	20000	1	11/18/2021 07:29	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-04 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3070	<del>B</del>	102	1000	1	11/19/2021 05:55	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6740		140	500	5	12/08/2021 10:31	<a href="#">WG1782919</a>
Manganese	723		3.52	25.0	5	12/08/2021 10:31	<a href="#">WG1782919</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3370		0.287	0.678	1	11/21/2021 10:29	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:29	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:29	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Benzene	14.3		0.0160	0.0400	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1-Dichloroethene	0.0330	J	0.0200	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>

JC 1/20/22

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	12.2		0.0276	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Di-isopropyl ether	0.168		0.0140	0.0400	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Vinyl chloride	11.9		0.0273	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/19/2021 23:56	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/19/2021 23:56	<a href="#">WG1777251</a>
(S) Toluene-d8	112			75.0-131		11/19/2021 23:56	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/19/2021 23:56	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		11/19/2021 23:56	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	171000		8450	20000	1	11/18/2021 07:33	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-05 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4960		102	1000	1	11/19/2021 06:10	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	567		28.1	100	1	12/08/2021 03:50	<a href="#">WG1782919</a>
Manganese	206		0.704	5.00	1	12/08/2021 03:50	<a href="#">WG1782919</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37.4	J	0.287	0.678	1	11/21/2021 10:34	<a href="#">WG1777790</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:34	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:34	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ	0.548	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>

JC 1/20/22

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0400	<u>J</u>	0.0276	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Naphthalene	U	UJ <u>C3</u>	0.124	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.0156	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ <u>C4</u>	0.0250	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Tetrahydrofuran	U	UJ	0.0900	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 00:15	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 00:15	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/20/2021 00:15	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/20/2021 00:15	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		11/20/2021 00:15	<a href="#">WG1777251</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	425000		8450	20000	1	11/18/2021 07:37	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-06 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5130		102	1000	1	11/19/2021 06:31	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12600		562	2000	20	12/08/2021 10:34	<a href="#">WG1782919</a>
Manganese	1720		14.1	100	20	12/08/2021 10:34	<a href="#">WG1782919</a>

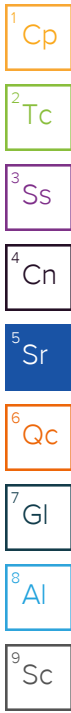
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21600		2.87	6.78	10	11/21/2021 15:41	<a href="#">WG1777983</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:37	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:37	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>

JC 1/20/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 00:34	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 00:34	<a href="#">WG1777251</a>
(S) Toluene-d8	111			75.0-131		11/20/2021 00:34	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/20/2021 00:34	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/20/2021 00:34	<a href="#">WG1777251</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	311000		8450	20000	1	11/18/2021 07:40	<a href="#">WG1776298</a>

Sample Narrative:

L1430961-07 WG1776298: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3880	<span style="color: red;">B</span>	102	1000	1	11/19/2021 06:46	<a href="#">WG1776236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10500		281	1000	10	12/08/2021 10:37	<a href="#">WG1782919</a>
Manganese	892		7.04	50.0	10	12/08/2021 10:37	<a href="#">WG1782919</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9540		2.87	6.78	10	11/21/2021 15:45	<a href="#">WG1777983</a>
Ethane	U		0.296	1.29	1	11/21/2021 10:42	<a href="#">WG1777790</a>
Ethene	U		0.422	1.27	1	11/21/2021 10:42	<a href="#">WG1777790</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Acrylonitrile	U		0.0760	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Benzene	U		0.0160	0.0400	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Bromoform	U		0.239	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
n-Butylbenzene	U		0.153	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
sec-Butylbenzene	U		0.101	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
4-Chlorotoluene	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0452	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>

JC 1/20/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Ethylbenzene	U		0.0212	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Isopropylbenzene	U		0.0345	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
n-Propylbenzene	U		0.0472	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Styrene	U		0.109	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Toluene	U		0.0500	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Vinyl chloride	U		0.0273	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Xylenes, Total	U		0.191	0.260	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Ethyl Ether	U		0.0170	0.100	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 00:53	<a href="#">WG1777251</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 00:53	<a href="#">WG1777251</a>
(S) Toluene-d8	113			75.0-131		11/20/2021 00:53	<a href="#">WG1777251</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/20/2021 00:53	<a href="#">WG1777251</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/20/2021 00:53	<a href="#">WG1777251</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 1/20/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	616000		8450	20000	1	11/23/2021 03:27	<a href="#">WG1777922</a>

Sample Narrative:

L1432692-01 WG1777922: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8140		102	1000	1	11/22/2021 18:02	<a href="#">WG1778478</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14000		562	2000	20	12/09/2021 12:19	<a href="#">WG1784790</a>
Manganese	3730		14.1	100	20	12/09/2021 12:19	<a href="#">WG1784790</a>

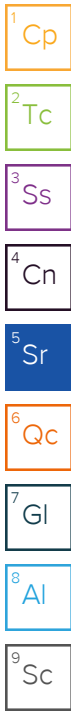
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4550		0.287	0.678	1	11/23/2021 11:33	<a href="#">WG1777993</a>
Ethane	18.1		0.296	1.29	1	11/23/2021 11:33	<a href="#">WG1777993</a>
Ethene	U		0.422	1.27	1	11/23/2021 11:33	<a href="#">WG1777993</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Benzene	6.15		0.0160	0.0400	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Bromoform	U		0.239	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
n-Butylbenzene	U	UJ C3	0.153	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
sec-Butylbenzene	U		0.101	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Carbon tetrachloride	U	UJ C3 J3	0.0432	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1-Dichloroethane	0.0840	J	0.0230	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2-Dichloroethane	0.120		0.0190	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>

JC 1/20/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.489		0.0276	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Di-isopropyl ether	0.225		0.0140	0.0400	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Ethylbenzene	U		0.0212	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Isopropylbenzene	U		0.0345	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Methyl tert-butyl ether	0.166	J- C3	0.0118	0.0400	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
n-Propylbenzene	U		0.0472	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Styrene	U		0.109	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1,2,2-Tetrachloroethane	U	UJ C3 J4	0.0156	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Toluene	0.0760	J	0.0500	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Vinyl chloride	1.75		0.0273	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Xylenes, Total	0.201	J	0.191	0.260	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Ethyl Ether	U		0.0170	0.100	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 08:50	<a href="#">WG1777260</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 08:50	<a href="#">WG1777260</a>
(S) Toluene-d8	113			75.0-131		11/20/2021 08:50	<a href="#">WG1777260</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/20/2021 08:50	<a href="#">WG1777260</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		11/20/2021 08:50	<a href="#">WG1777260</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	351000		8450	20000	1	11/23/2021 03:33	<a href="#">WG1777922</a>

Sample Narrative:

L1432692-02 WG1777922: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13500		102	1000	1	11/22/2021 18:20	<a href="#">WG1778478</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	16000		562	2000	20	12/09/2021 12:23	<a href="#">WG1784790</a>
Manganese	3960		14.1	100	20	12/09/2021 12:23	<a href="#">WG1784790</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8570		2.87	6.78	10	11/24/2021 09:19	<a href="#">WG1779355</a>
Ethane	U		0.296	1.29	1	11/23/2021 11:38	<a href="#">WG1777993</a>
Ethene	U		0.422	1.27	1	11/23/2021 11:38	<a href="#">WG1777993</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	26.4	J- C3	0.548	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Benzene	U		0.0160	0.0400	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Bromobenzene	U		0.0420	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Bromodichloromethane	U		0.0315	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Bromoform	U		0.239	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Bromomethane	U		0.148	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
n-Butylbenzene	U	UJ C3	0.153	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
sec-Butylbenzene	U		0.101	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Carbon tetrachloride	U	UJ C3 JS	0.0432	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Chlorobenzene	U		0.0229	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Chloroethane	U		0.0432	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Chloroform	U		0.0166	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Chloromethane	U		0.0556	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Dibromomethane	U		0.0400	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>

JC 1/20/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Di-isopropyl ether	0.0730		0.0140	0.0400	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Ethylbenzene	0.0900	J	0.0212	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Isopropylbenzene	U		0.0345	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Methylene Chloride	U		0.265	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Methyl tert-butyl ether	0.0300	J C3 J	0.0118	0.0400	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
n-Propylbenzene	U		0.0472	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Styrene	U		0.109	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1,2,2-Tetrachloroethane	U	UJ C3 J4	0.0156	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Tetrachloroethene	U		0.0280	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Toluene	0.244		0.0500	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Trichloroethene	U		0.0160	0.0400	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2,4-Trimethylbenzene	0.201		0.0464	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,2,3-Trimethylbenzene	0.0760	J	0.0460	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Vinyl chloride	U		0.0273	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Xylenes, Total	0.564		0.191	0.260	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Ethyl Ether	U		0.0170	0.100	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Tetrahydrofuran	5.64	J- C3	0.0900	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Iodomethane	U		0.242	0.500	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Allyl chloride	U		0.580	1.00	1	11/20/2021 09:10	<a href="#">WG1777260</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/20/2021 09:10	<a href="#">WG1777260</a>
(S) Toluene-d8	112			75.0-131		11/20/2021 09:10	<a href="#">WG1777260</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/20/2021 09:10	<a href="#">WG1777260</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/20/2021 09:10	<a href="#">WG1777260</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	384000		8450	20000	1	11/23/2021 07:06	<a href="#">WG1778791</a>

Sample Narrative:

L1432692-03 WG1778791: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4580	<del>B</del>	102	1000	1	11/22/2021 19:05	<a href="#">WG1778478</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5910		281	1000	10	12/09/2021 12:26	<a href="#">WG1784790</a>
Manganese	1390		7.04	50.0	10	12/09/2021 12:26	<a href="#">WG1784790</a>

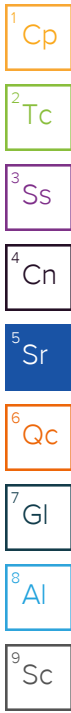
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	377		0.287	0.678	1	11/25/2021 13:16	<a href="#">WG1779876</a>
Ethane	U		0.296	1.29	1	11/25/2021 13:16	<a href="#">WG1779876</a>
Ethene	U		0.422	1.27	1	11/25/2021 13:16	<a href="#">WG1779876</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		27.4	50.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Acrylonitrile	U		3.80	25.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Benzene	1.60	J	0.800	2.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Bromobenzene	U		2.10	25.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Bromodichloromethane	U		1.58	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Bromoform	U		12.0	50.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Bromomethane	U	<del>JS</del>	7.40	25.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
n-Butylbenzene	U		7.65	25.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
sec-Butylbenzene	U		5.05	25.0	50	11/29/2021 16:55	<a href="#">WG1780749</a>
tert-Butylbenzene	U		3.10	10.0	50	11/29/2021 16:55	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>JS</del>	2.16	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Chlorobenzene	U		1.15	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.900	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Chloroethane	U	<del>J2</del>	2.16	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Chloroform	U		0.830	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Chloromethane	U	<del>JS</del>	2.78	25.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
2-Chlorotoluene	U		1.84	5.00	50	11/29/2021 16:55	<a href="#">WG1780749</a>
4-Chlorotoluene	U		2.26	10.0	50	11/29/2021 16:55	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		1.05	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Dibromomethane	U		2.00	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	11/23/2021 19:04	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		1.64	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		1.15	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.950	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>
1,1-Dichloroethene	5.20	<del>J3</del>	1.00	5.00	50	11/23/2021 19:04	<a href="#">WG1779075</a>

JC 1/20/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	2240		1.38	5.00	50	11/23/2021 19:04	WG1779075
trans-1,2-Dichloroethene	9.00	<del>J3</del>	2.86	10.0	50	11/23/2021 19:04	WG1779075
1,2-Dichloropropane	U		2.54	10.0	50	11/23/2021 19:04	WG1779075
1,1-Dichloropropene	U	<del>J3</del>	1.40	5.00	50	11/23/2021 19:04	WG1779075
1,3-Dichloropropane	U		3.50	10.0	50	11/29/2021 16:55	WG1780749
cis-1,3-Dichloropropene	U		1.36	5.00	50	11/23/2021 19:04	WG1779075
trans-1,3-Dichloropropene	U		3.06	10.0	50	11/23/2021 19:04	WG1779075
2,2-Dichloropropane	U	<del>J3</del>	1.59	5.00	50	11/23/2021 19:04	WG1779075
Di-isopropyl ether	U		0.700	2.00	50	11/23/2021 19:04	WG1779075
Ethylbenzene	U		1.06	5.00	50	11/23/2021 19:04	WG1779075
Hexachloro-1,3-butadiene	U		25.4	50.0	50	11/23/2021 19:04	WG1779075
Isopropylbenzene	U		1.73	5.00	50	11/23/2021 19:04	WG1779075
p-Isopropyltoluene	U	<del>J3</del>	4.66	10.0	50	11/23/2021 19:04	WG1779075
2-Butanone (MEK)	U		25.0	50.0	50	11/23/2021 19:04	WG1779075
Methylene Chloride	U		13.3	50.0	50	11/23/2021 19:04	WG1779075
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	11/23/2021 19:04	WG1779075
Methyl tert-butyl ether	U		0.590	2.00	50	11/23/2021 19:04	WG1779075
Naphthalene	U	UJ <del>C3</del>	6.20	25.0	50	11/23/2021 19:04	WG1779075
n-Propylbenzene	U		2.36	10.0	50	11/29/2021 16:55	WG1780749
Styrene	U		5.45	25.0	50	11/23/2021 19:04	WG1779075
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	11/23/2021 19:04	WG1779075
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	11/29/2021 16:55	WG1780749
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	11/23/2021 19:04	WG1779075
Tetrachloroethene	U	<del>J3</del>	1.40	5.00	50	11/23/2021 19:04	WG1779075
Toluene	U		2.50	10.0	50	11/23/2021 19:04	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	1.25	25.0	50	11/23/2021 19:04	WG1779075
1,2,4-Trichlorobenzene	U		9.65	25.0	50	11/23/2021 19:04	WG1779075
1,1,1-Trichloroethane	U	<del>J3</del>	0.550	5.00	50	11/23/2021 19:04	WG1779075
1,1,2-Trichloroethane	U		1.77	5.00	50	11/23/2021 19:04	WG1779075
Trichloroethene	U		0.800	2.00	50	11/23/2021 19:04	WG1779075
Trichlorofluoromethane	U	<del>J3</del>	1.00	5.00	50	11/23/2021 19:04	WG1779075
1,2,3-Trichloropropane	U		10.2	25.0	50	11/23/2021 19:04	WG1779075
1,2,4-Trimethylbenzene	U		2.32	10.0	50	11/23/2021 19:04	WG1779075
1,2,3-Trimethylbenzene	U		2.30	10.0	50	11/29/2021 16:55	WG1780749
1,3,5-Trimethylbenzene	U		2.16	10.0	50	11/23/2021 19:04	WG1779075
Vinyl chloride	29.2		1.36	5.00	50	11/23/2021 19:04	WG1779075
Xylenes, Total	U		9.55	13.0	50	11/23/2021 19:04	WG1779075
Ethyl Ether	U		0.850	5.00	50	11/23/2021 19:04	WG1779075
Tetrahydrofuran	U		4.50	25.0	50	11/23/2021 19:04	WG1779075
Iodomethane	U		12.1	25.0	50	11/23/2021 19:04	WG1779075
Allyl chloride	U	<del>J3</del>	29.0	50.0	50	11/23/2021 19:04	WG1779075
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	11/23/2021 19:04	WG1779075
(S) Toluene-d8	114			75.0-131		11/23/2021 19:04	WG1779075
(S) Toluene-d8	110			75.0-131		11/29/2021 16:55	WG1780749
(S) 4-Bromofluorobenzene	106			67.0-138		11/23/2021 19:04	WG1779075
(S) 4-Bromofluorobenzene	86.9			67.0-138		11/29/2021 16:55	WG1780749
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/23/2021 19:04	WG1779075
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 16:55	WG1780749

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	200000		8450	20000	1	11/23/2021 07:12	<a href="#">WG1778791</a>

Sample Narrative:

L1432692-04 WG1778791: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1170	<del>B</del>	102	1000	1	11/22/2021 19:18	<a href="#">WG1778478</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	304		28.1	100	1	12/09/2021 01:02	<a href="#">WG1784790</a>
Manganese	56.3		0.704	5.00	1	12/09/2021 01:02	<a href="#">WG1784790</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	11/25/2021 13:21	<a href="#">WG1779876</a>
Ethane	U		0.296	1.29	1	11/25/2021 13:21	<a href="#">WG1779876</a>
Ethene	U		0.422	1.27	1	11/25/2021 13:21	<a href="#">WG1779876</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.02		0.548	1.00	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 16:13	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 16:13	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 13:10	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 13:10	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 16:13	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 13:10	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 13:10	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 16:13	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 16:13	<a href="#">WG1779075</a>

JC 1/20/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/23/2021 16:13	WG1779075
trans-1,2-Dichloroethene	U	<del>J3</del>	0.0572	0.200	1	11/23/2021 16:13	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 16:13	WG1779075
1,1-Dichloropropene	U	<del>J3</del>	0.0280	0.100	1	11/23/2021 16:13	WG1779075
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 13:10	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 16:13	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 16:13	WG1779075
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	11/23/2021 16:13	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 16:13	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 16:13	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 16:13	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 16:13	WG1779075
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	11/23/2021 16:13	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 16:13	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 16:13	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 16:13	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 16:13	WG1779075
Naphthalene	U	UJ C3	0.124	0.500	1	11/23/2021 16:13	WG1779075
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 13:10	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 16:13	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 16:13	WG1779075
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 13:10	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 16:13	WG1779075
Tetrachloroethene	0.391	J+ C5 J3	0.0280	0.100	1	11/23/2021 16:13	WG1779075
Toluene	U		0.0500	0.200	1	11/23/2021 16:13	WG1779075
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/23/2021 16:13	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 16:13	WG1779075
1,1,1-Trichloroethane	U	<del>J3</del>	0.0110	0.100	1	11/23/2021 16:13	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 16:13	WG1779075
Trichloroethene	U		0.0160	0.0400	1	11/23/2021 16:13	WG1779075
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 16:13	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 16:13	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 16:13	WG1779075
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 13:10	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 16:13	WG1779075
Vinyl chloride	U		0.0273	0.100	1	11/23/2021 16:13	WG1779075
Xylenes, Total	U		0.191	0.260	1	11/23/2021 16:13	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 16:13	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 16:13	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 16:13	WG1779075
Allyl chloride	U	<del>J3</del>	0.580	1.00	1	11/23/2021 16:13	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 16:13	WG1779075
(S) Toluene-d8	106			75.0-131		11/23/2021 16:13	WG1779075
(S) Toluene-d8	109			75.0-131		11/29/2021 13:10	WG1780749
(S) 4-Bromofluorobenzene	106			67.0-138		11/23/2021 16:13	WG1779075
(S) 4-Bromofluorobenzene	92.1			67.0-138		11/29/2021 13:10	WG1780749
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/23/2021 16:13	WG1779075
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 13:10	WG1780749

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/20/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	296000		8450	20000	1	11/23/2021 07:17	<a href="#">WG1778791</a>

Sample Narrative:

L1432692-05 WG1778791: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2030	<del>B</del>	102	1000	1	11/22/2021 19:37	<a href="#">WG1778478</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2870		281	1000	10	12/09/2021 12:29	<a href="#">WG1784790</a>
Manganese	899		7.04	50.0	10	12/09/2021 12:29	<a href="#">WG1784790</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	92.5		0.287	0.678	1	11/25/2021 13:25	<a href="#">WG1779876</a>
Ethane	13.8		0.296	1.29	1	11/25/2021 13:25	<a href="#">WG1779876</a>
Ethene	4.71		0.422	1.27	1	11/25/2021 13:25	<a href="#">WG1779876</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Benzene	0.0390	<del>J</del>	0.0160	0.0400	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 16:32	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 16:32	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 13:29	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 13:29	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>93</del>	0.0432	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 16:32	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 13:29	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 13:29	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 16:32	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,1-Dichloroethane	0.0550	<del>J</del>	0.0230	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>
1,1-Dichloroethene	1.19	<del>J3</del>	0.0200	0.100	1	11/23/2021 16:32	<a href="#">WG1779075</a>

JC 1/20/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	384		0.690	2.50	25	11/29/2021 16:36	WG1781344
trans-1,2-Dichloroethene	0.304	<del>33</del>	0.0572	0.200	1	11/23/2021 16:32	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 16:32	WG1779075
1,1-Dichloropropene	U	<del>33</del>	0.0280	0.100	1	11/23/2021 16:32	WG1779075
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 13:29	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 16:32	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 16:32	WG1779075
2,2-Dichloropropane	U	<del>33</del>	0.0317	0.100	1	11/23/2021 16:32	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 16:32	WG1779075
Ethylbenzene	0.0690	<del>U</del>	0.0212	0.100	1	11/23/2021 16:32	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 16:32	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 16:32	WG1779075
p-Isopropyltoluene	U	<del>33</del>	0.0932	0.200	1	11/23/2021 16:32	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 16:32	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 16:32	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 16:32	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 16:32	WG1779075
Naphthalene	U	<del>UJ</del> <del>C3</del>	0.124	0.500	1	11/23/2021 16:32	WG1779075
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 13:29	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 16:32	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 16:32	WG1779075
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 13:29	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 16:32	WG1779075
Tetrachloroethene	U	<del>33</del>	0.0280	0.100	1	11/23/2021 16:32	WG1779075
Toluene	0.320		0.0500	0.200	1	11/23/2021 16:32	WG1779075
1,2,3-Trichlorobenzene	U	<del>UJ</del> <del>C4</del>	0.0250	0.500	1	11/23/2021 16:32	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 16:32	WG1779075
1,1,1-Trichloroethane	U	<del>33</del>	0.0110	0.100	1	11/23/2021 16:32	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 16:32	WG1779075
Trichloroethene	0.100		0.0160	0.0400	1	11/23/2021 16:32	WG1779075
Trichlorofluoromethane	U	<del>33</del>	0.0200	0.100	1	11/23/2021 16:32	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 16:32	WG1779075
1,2,4-Trimethylbenzene	0.130	<del>U</del>	0.0464	0.200	1	11/23/2021 16:32	WG1779075
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 13:29	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 16:32	WG1779075
Vinyl chloride	52.2		0.0273	0.100	1	11/23/2021 16:32	WG1779075
Xylenes, Total	0.597		0.191	0.260	1	11/23/2021 16:32	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 16:32	WG1779075
Tetrahydrofuran	0.966		0.0900	0.500	1	11/23/2021 16:32	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 16:32	WG1779075
Allyl chloride	U	<del>33</del>	0.580	1.00	1	11/23/2021 16:32	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 16:32	WG1779075
(S) Toluene-d8	114			75.0-131		11/23/2021 16:32	WG1779075
(S) Toluene-d8	107			75.0-131		11/29/2021 13:29	WG1780749
(S) Toluene-d8	107			75.0-131		11/29/2021 16:36	WG1781344
(S) 4-Bromofluorobenzene	109			67.0-138		11/23/2021 16:32	WG1779075
(S) 4-Bromofluorobenzene	93.2			67.0-138		11/29/2021 13:29	WG1780749
(S) 4-Bromofluorobenzene	91.4			67.0-138		11/29/2021 16:36	WG1781344
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/23/2021 16:32	WG1779075
(S) 1,2-Dichloroethane-d4	103			70.0-130		11/29/2021 13:29	WG1780749
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 16:36	WG1781344

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



## MEMORANDUM

**TO:** Project File **DATE:** January 24, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 443017-1413001.05.601 and 443017-1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 4th Quarter Monitoring 2021 – Groundwater Samples – Group 5

**LAB:** Pace Sample Delivery Groups (SDGs): SDGS L1433781, L1433897, L1433905, L1434882, and L1436783

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Twenty-eight groundwater samples (including one field duplicate), one equipment blank, and two trip blanks were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, Seattle, Washington on November 17-19 and 29-30, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Alkalinity by Method 2320 B-2011

The fourth quarter of RI sampling was conducted mostly between November – December 2021 and the remaining samples, pending access agreements, will be collected late January 2022. Analytical results are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Analytical results (anions) are also reported in multiple Work Orders from Fremont (includes Work Orders provided by subcontractor Analytical Resources, Inc). Group 5 analytical results are reported in SDGs L1433781, L1433897, L1433905, L1434882, and L1436783. The quality assurance review of the laboratory data associated with Group 5 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data

Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Alkalinity and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days) and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.

Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory “C4” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C5” to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1433781 - Analytical batch WG1780749: A low level of trichloroethene (TCE) is detected at 0.0600 µg/L and above the RDL (0.0400 µg/L) in the method blank. No action is needed since the associated sample MW-156-111821 TCE result far exceeds the blank detection. Remaining sample results for TCE are associated with analytical batch WG1779075.
- SDG L1433897- Analytical batch WG1780749: A low level of TCE is detected at 0.0600 µg/L and above the RDL (0.0400 µg/L) in the method blank. No action is needed since associated sample MW-184-111821 TCE result far exceeds the blank detection. No action is needed for associated sample MW-183-111821 since TCE is not detected. Remaining sample results for TCE are associated with analytical batch WG1779075.
- SDG L1433905 - Analytical batch WG1780749: A low level of TCE is detected at 0.0600 µg/L and above the RDL (0.0400 µg/L) in the method blank. Associated sample MW-336-111721 TCE result is detected at 2.05 µg/L and laboratory qualified (B). In this case, per Guidance, no action is taken since the sample detection exceeds the blank level. No action is needed since the associated sample MW-335-111721 TCE result far exceeds the blank detection. Remaining sample results for TCE detections are associated with analytical batches WG1779849 or WG1782178.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections were reviewed, and detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1433781	WG1779051	9060A	TOC	503	J	1000	µg/L	NO
L1433897	WG1779051	9060A	TOC	503	J	1000	µg/L	NO
L1433905	WG1779051	9060A	TOC	503	J	1000	µg/L	NO
L1434882	WG1780459	9060A	TOC	590	J	1000	µg/L	NO
L1436783	WG1783060	9060A	TOC	241	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

**Trip Blank Results**

*USEPA Method 8260D:*

Two trip blanks (TB-112221 and TB-113021) were collected and analyzed for VOCs. The target analytes were not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L1436783: Low levels of acetone, chloroform, methylene chloride, and tetrahydrofuran are detected in trip blank sample (TB-113021). No action is needed for methylene chloride and chloroform as these compounds are not detected in the associated samples. Tetrahydrofuran was either detected above the trip blank result or not detected in the associated samples. Actions for acetone are as follows:
  - Acetone was detected below the trip blank level in samples MW102-113021 and MW-189-113021, and W-MW-01-112921. **Acetone results for the three samples are qualified as not detected (U) due to trip blank contamination.**

**Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

One equipment blank (EQ-112921 associated with SDG L1436783) was collected. Details are as follows:

The equipment blank (EQ-112921) is associated with all samples collected from the bladder pump on November 29, 2021. Specifically, the equipment blank is associated

with samples W-MW-01-112921, MW-190-113021, MW102-113021, and MW-189-113021. Low levels of TOC, iron, and manganese are detected in the equipment blank. No action is taken for these detections since these analyte detections are far greater than detection in the equipment blank. Low levels of VOCs (bromodichloromethane, chlorodibromomethane, and chloroform) are detected in the equipment blank. No action is taken for bromodichloromethane, chlorodibromomethane, or chloroform as all associated groundwater results for these compounds are non-detects.

### **Field Duplicate Analyses**

One field duplicate pair is submitted and analyzed. Field duplicate sample pair is as follows:

- SDGs L1433781 and L1433905: Sample MW113-111821 and field duplicate sample MW-961-111821 (respective laboratory accession numbers are L1433781-01 and L1433905-06).

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pair with the following exceptions:

- SDGs L1433781 and L1433905: Sample MW113-111821 and field duplicate sample MW-961-111821 acetone and di-isopropyl ether results are not comparable and exceed RPD criteria. **Sample MW-339-111021 and field duplicate MW-960-111021 acetone and di-isopropyl ether results are estimated and qualified (J/UJ).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or in cases only an LCS is available refer to field duplicate results for precision data.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate or MS/MSD results for precision data.

#### *General Chemistry (Alkalinity and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

## **Surrogate Recoveries**

### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

## **Laboratory Control Samples**

### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDGs L1433781, L1433897, L1433905, and L1434882 - Analytical batch WG1779075: LCS/LCSD RPDs for multiple compounds are above acceptance criteria and are laboratory qualified (J3). In these cases, no action is taken since both LCS/LCSD recoveries are within laboratory acceptance criteria.
- SDG L1434882 - Analytical batch **WG1780705**: LCS/LCSD recoveries and RPD for two compounds (acrylonitrile and tetrahydrofuran) exceed acceptance criteria and are laboratory qualified (J3 or J4). No action is taken in these cases since the LCS and/or LCSD recoveries and RPD for acrylonitrile and tetrahydrofuran are above acceptance criteria and these compounds are not detected in the associated samples.
- SDG L1434882 - Analytical batch WG1782588: LCS/LCSD RPDs for multiple compounds exceed acceptance criteria and are laboratory qualified (J3). No action is taken in this case since the recoveries are within acceptance criteria but are recovered wide with the following exceptions:
  - LCS and/or LCSD % recoveries for acetone, acrylonitrile, tetrahydrofuran, and 1,1,2-trichloroethane are above laboratory acceptance criteria and are laboratory qualified (J4). No action is taken on this basis since associated sample results are not detected for these compounds.
  - LCS % recovery for hexachloro-1,3-butadiene is below laboratory acceptance criteria and is laboratory qualified (J4). No action is taken for the associated sample since the LCSD recovery is within criteria and LCS recovery is only marginally outside of criteria.
- SDG L1436783 - Analytical batch WG1783093: LCS/LCSD RPDs for multiple compounds exceed acceptance criteria and are laboratory qualified (J3). No action is taken in this case since the recoveries are within acceptance criteria but are recovered wide with the following exceptions:
  - LCS and/or LCSD % recoveries for hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are above laboratory acceptance

criteria and are laboratory qualified (J4). No action is needed since these compounds are not detected in the associated samples.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were not performed. Refer to LCS, LCS/LCSD, and field duplicate results for accuracy and precision data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client or non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1433897: Matrix spike analyses for TOC were performed on a non-client sample within the analytical batch. MS/MSD results are outside of criteria and laboratory qualified (J3, J5). No action is taken since the spike was performed on a non-client sample. Refer to LCS/LCSD for accuracy and precision data.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1433781: Matrix spike analyses for metals were performed on client sample MW113-111821. Manganese MSD recovery is outside of criteria and laboratory qualified (V). Per Guidance, no action is necessary because the sample amount is greater than 4X the spike amount.
- SDG L1434882: Matrix spike analyses for metals were performed on a non-client sample within the analytical batch. Manganese MS/MSD recoveries are outside of criteria and laboratory qualified (V). Per Guidance, no action is necessary because the sample amount is greater than 4X the spike amount and additionally no action is needed since the spike was performed on a non-client sample. Refer to LCS and field duplicate results for accuracy and precision data.

- SDG L1436783: Matrix spike analyses for metals were performed on a non-client sample within the analytical batch. Manganese MSD recovery is outside of criteria and laboratory qualified (V). Per Guidance, no action is necessary because the sample amount is greater than 4X the spike amount and additionally no action is needed since the spike was performed on a non-client sample. Refer to LCS and field duplicate results for accuracy and precision data.

*General Chemistry (Alkalinity and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS, field duplicate, or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD, and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	452000		8450	20000	1	11/28/2021 05:03	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-01 WG1780268: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6480		102	1000	1	11/23/2021 23:57	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5440		28.1	100	1	12/17/2021 18:41	<a href="#">WG1790964</a>
Manganese	542	<del>V</del>	0.704	5.00	1	12/17/2021 18:41	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2740		0.287	0.678	1	11/28/2021 14:24	<a href="#">WG1780486</a>
Ethane	63.2		0.296	1.29	1	11/28/2021 14:24	<a href="#">WG1780486</a>
Ethene	U		0.422	1.27	1	11/28/2021 14:24	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>UJ</del>	13.7	25.0	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Acrylonitrile	U		1.90	12.5	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Benzene	3.73		0.400	1.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Bromobenzene	U		1.05	12.5	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.788	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Bromoform	U		5.98	25.0	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	3.70	12.5	25	11/23/2021 19:23	<a href="#">WG1779075</a>
n-Butylbenzene	U		3.83	12.5	25	11/23/2021 19:23	<a href="#">WG1779075</a>
sec-Butylbenzene	U		25.3	125	250	11/29/2021 17:14	<a href="#">WG1780749</a>
tert-Butylbenzene	U		15.5	50.0	250	11/29/2021 17:14	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	1.08	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Chlorobenzene	U		0.573	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.450	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	1.08	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Chloroform	U		0.415	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	1.39	12.5	25	11/23/2021 19:23	<a href="#">WG1779075</a>
2-Chlorotoluene	U		9.20	25.0	250	11/29/2021 17:14	<a href="#">WG1780749</a>
4-Chlorotoluene	U		11.3	50.0	250	11/29/2021 17:14	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.525	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Dibromomethane	U		1.00	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	11/23/2021 19:23	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.818	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.575	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.475	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>
1,1-Dichloroethene	9.83	<del>J3</del>	0.500	2.50	25	11/23/2021 19:23	<a href="#">WG1779075</a>

JC 1/26/2022  
JC 1/24/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	4250		6.90	25.0	250	11/29/2021 17:14	WG1780749
trans-1,2-Dichloroethene	15.0	J3	1.43	5.00	25	11/23/2021 19:23	WG1779075
1,2-Dichloropropane	U		1.27	5.00	25	11/23/2021 19:23	WG1779075
1,1-Dichloropropene	U	J3	0.700	2.50	25	11/23/2021 19:23	WG1779075
1,3-Dichloropropane	U		17.5	50.0	250	11/29/2021 17:14	WG1780749
cis-1,3-Dichloropropene	U		0.678	2.50	25	11/23/2021 19:23	WG1779075
trans-1,3-Dichloropropene	U		1.53	5.00	25	11/23/2021 19:23	WG1779075
2,2-Dichloropropane	U	J3	0.793	2.50	25	11/23/2021 19:23	WG1779075
Di-isopropyl ether	U	UJ	0.350	1.00	25	11/23/2021 19:23	WG1779075
Ethylbenzene	U		0.530	2.50	25	11/23/2021 19:23	WG1779075
Hexachloro-1,3-butadiene	U		12.7	25.0	25	11/23/2021 19:23	WG1779075
Isopropylbenzene	U		0.863	2.50	25	11/23/2021 19:23	WG1779075
p-Isopropyltoluene	U	J3	2.33	5.00	25	11/23/2021 19:23	WG1779075
2-Butanone (MEK)	U		12.5	25.0	25	11/23/2021 19:23	WG1779075
Methylene Chloride	8.75	J	6.63	25.0	25	11/23/2021 19:23	WG1779075
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	11/23/2021 19:23	WG1779075
Methyl tert-butyl ether	U		0.295	1.00	25	11/23/2021 19:23	WG1779075
Naphthalene	U	UJ C3	3.10	12.5	25	11/23/2021 19:23	WG1779075
n-Propylbenzene	U		11.8	50.0	250	11/29/2021 17:14	WG1780749
Styrene	U		2.73	12.5	25	11/23/2021 19:23	WG1779075
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	11/23/2021 19:23	WG1779075
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	11/29/2021 17:14	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	11/23/2021 19:23	WG1779075
Tetrachloroethene	70.6	J+ C5 J3	0.700	2.50	25	11/23/2021 19:23	WG1779075
Toluene	U		1.25	5.00	25	11/23/2021 19:23	WG1779075
1,2,3-Trichlorobenzene	U	UJ C4	0.625	12.5	25	11/23/2021 19:23	WG1779075
1,2,4-Trichlorobenzene	U		4.83	12.5	25	11/23/2021 19:23	WG1779075
1,1,1-Trichloroethane	U	J3	0.275	2.50	25	11/23/2021 19:23	WG1779075
1,1,2-Trichloroethane	U		0.883	2.50	25	11/23/2021 19:23	WG1779075
Trichloroethene	795		0.400	1.00	25	11/23/2021 19:23	WG1779075
Trichlorofluoromethane	U	J3	0.500	2.50	25	11/23/2021 19:23	WG1779075
1,2,3-Trichloropropane	U		5.10	12.5	25	11/23/2021 19:23	WG1779075
1,2,4-Trimethylbenzene	U		1.16	5.00	25	11/23/2021 19:23	WG1779075
1,2,3-Trimethylbenzene	U		11.5	50.0	250	11/29/2021 17:14	WG1780749
1,3,5-Trimethylbenzene	U		1.08	5.00	25	11/23/2021 19:23	WG1779075
Vinyl chloride	9.15		0.682	2.50	25	11/23/2021 19:23	WG1779075
Xylenes, Total	U		4.78	6.50	25	11/23/2021 19:23	WG1779075
Ethyl Ether	U		0.425	2.50	25	11/23/2021 19:23	WG1779075
Tetrahydrofuran	U		2.25	12.5	25	11/23/2021 19:23	WG1779075
Iodomethane	U		6.05	12.5	25	11/23/2021 19:23	WG1779075
Allyl chloride	U	J3	14.5	25.0	25	11/23/2021 19:23	WG1779075
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	11/23/2021 19:23	WG1779075
(S) Toluene-d8	110			75.0-131		11/23/2021 19:23	WG1779075
(S) Toluene-d8	107			75.0-131		11/29/2021 17:14	WG1780749
(S) 4-Bromofluorobenzene	103			67.0-138		11/23/2021 19:23	WG1779075
(S) 4-Bromofluorobenzene	90.3			67.0-138		11/29/2021 17:14	WG1780749
(S) 1,2-Dichloroethane-d4	115			70.0-130		11/23/2021 19:23	WG1779075
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/29/2021 17:14	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 1/26/2022

JC 1/24/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	499000		8450	20000	1	11/28/2021 05:07	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-02 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	36600		102	1000	1	11/24/2021 00:18	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10100		28.1	100	1	12/17/2021 19:01	<a href="#">WG1790964</a>
Manganese	1440		0.704	5.00	1	12/17/2021 19:01	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25500		2.87	6.78	10	11/30/2021 11:15	<a href="#">WG1780701</a>
Ethane	250		0.296	1.29	1	11/28/2021 14:29	<a href="#">WG1780486</a>
Ethene	3890		0.422	1.27	1	11/28/2021 14:29	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.00		0.548	1.00	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Benzene	0.214		0.0160	0.0400	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Bromomethane	U	<del>13</del>	0.148	0.500	1	11/23/2021 20:01	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 20:01	<a href="#">WG1779075</a>
sec-Butylbenzene	U		50.5	250	500	11/29/2021 17:33	<a href="#">WG1780749</a>
tert-Butylbenzene	U		31.0	100	500	11/29/2021 17:33	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>13</del>	0.0432	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Chloroethane	U	<del>13</del>	0.0432	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Chloromethane	U	<del>13</del>	0.0556	0.500	1	11/23/2021 20:01	<a href="#">WG1779075</a>
2-Chlorotoluene	U		18.4	50.0	500	11/29/2021 17:33	<a href="#">WG1780749</a>
4-Chlorotoluene	U		22.6	100	500	11/29/2021 17:33	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 20:01	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>
1,1-Dichloroethene	13.8	<del>13</del>	0.0200	0.100	1	11/23/2021 20:01	<a href="#">WG1779075</a>

JC 1/24/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1530		13.8	50.0	500	11/29/2021 17:33	WG1780749
trans-1,2-Dichloroethene	40.8	133	0.0572	0.200	1	11/23/2021 20:01	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 20:01	WG1779075
1,1-Dichloropropene	U	133	0.0280	0.100	1	11/23/2021 20:01	WG1779075
1,3-Dichloropropane	U		35.0	100	500	11/29/2021 17:33	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 20:01	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 20:01	WG1779075
2,2-Dichloropropane	U	133	0.0317	0.100	1	11/23/2021 20:01	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 20:01	WG1779075
Ethylbenzene	0.0510	12	0.0212	0.100	1	11/23/2021 20:01	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 20:01	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 20:01	WG1779075
p-Isopropyltoluene	U	133	0.0932	0.200	1	11/23/2021 20:01	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 20:01	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 20:01	WG1779075
4-Methyl-2-pentanone (MIBK)	0.861	12	0.400	1.00	1	11/23/2021 20:01	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 20:01	WG1779075
Naphthalene	U	UJ 133	0.124	0.500	1	11/23/2021 20:01	WG1779075
n-Propylbenzene	U		23.6	100	500	11/29/2021 17:33	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 20:01	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 20:01	WG1779075
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	11/29/2021 17:33	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 20:01	WG1779075
Tetrachloroethene	U	133	0.0280	0.100	1	11/23/2021 20:01	WG1779075
Toluene	0.260		0.0500	0.200	1	11/23/2021 20:01	WG1779075
1,2,3-Trichlorobenzene	U	UJ 133	0.0250	0.500	1	11/23/2021 20:01	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 20:01	WG1779075
1,1,1-Trichloroethane	U	133	0.0110	0.100	1	11/23/2021 20:01	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 20:01	WG1779075
Trichloroethene	0.0940		0.0160	0.0400	1	11/23/2021 20:01	WG1779075
Trichlorofluoromethane	U	133	0.0200	0.100	1	11/23/2021 20:01	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 20:01	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 20:01	WG1779075
1,2,3-Trimethylbenzene	U		23.0	100	500	11/29/2021 17:33	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 20:01	WG1779075
Vinyl chloride	6870		13.6	50.0	500	11/29/2021 17:33	WG1780749
Xylenes, Total	0.249	12	0.191	0.260	1	11/23/2021 20:01	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 20:01	WG1779075
Tetrahydrofuran	1.41		0.0900	0.500	1	11/23/2021 20:01	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 20:01	WG1779075
Allyl chloride	U	133	0.580	1.00	1	11/23/2021 20:01	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 20:01	WG1779075
(S) Toluene-d8	105			75.0-131		11/23/2021 20:01	WG1779075
(S) Toluene-d8	110			75.0-131		11/29/2021 17:33	WG1780749
(S) 4-Bromofluorobenzene	105			67.0-138		11/23/2021 20:01	WG1779075
(S) 4-Bromofluorobenzene	85.4			67.0-138		11/29/2021 17:33	WG1780749
(S) 1,2-Dichloroethane-d4	117			70.0-130		11/23/2021 20:01	WG1779075
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/29/2021 17:33	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	450000		8450	20000	1	11/28/2021 05:11	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-03 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11100		102	1000	1	11/24/2021 00:35	<a href="#">WG179051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4000		28.1	100	1	12/17/2021 19:04	<a href="#">WG1790964</a>
Manganese	716		0.704	5.00	1	12/17/2021 19:04	<a href="#">WG1790964</a>

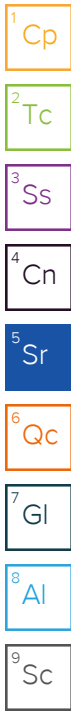
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19800		2.87	6.78	10	11/30/2021 11:19	<a href="#">WG1780701</a>
Ethane	115		0.296	1.29	1	11/28/2021 14:35	<a href="#">WG1780486</a>
Ethene	20.8		0.422	1.27	1	11/28/2021 14:35	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.78		0.548	1.00	1	11/23/2021 17:10	<a href="#">WG179075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 17:10	<a href="#">WG179075</a>
Benzene	0.119		0.0160	0.0400	1	11/23/2021 17:10	<a href="#">WG179075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 17:10	<a href="#">WG179075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 17:10	<a href="#">WG179075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 17:10	<a href="#">WG179075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 17:10	<a href="#">WG179075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 14:22	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 14:22	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 17:10	<a href="#">WG179075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 14:22	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 14:22	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 17:10	<a href="#">WG179075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 17:10	<a href="#">WG179075</a>

JC 1/24/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.360		0.0276	0.100	1	11/29/2021 14:22	WG1780749
trans-1,2-Dichloroethene	U	<del>I3</del>	0.0572	0.200	1	11/23/2021 17:10	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 17:10	WG1779075
1,1-Dichloropropene	U	<del>I3</del>	0.0280	0.100	1	11/23/2021 17:10	WG1779075
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 14:22	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 17:10	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 17:10	WG1779075
2,2-Dichloropropane	U	<del>I3</del>	0.0317	0.100	1	11/23/2021 17:10	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 17:10	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 17:10	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 17:10	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 17:10	WG1779075
p-Isopropyltoluene	U	<del>I3</del>	0.0932	0.200	1	11/23/2021 17:10	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 17:10	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 17:10	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 17:10	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 17:10	WG1779075
Naphthalene	U	UJ C3	0.124	0.500	1	11/23/2021 17:10	WG1779075
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 14:22	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 17:10	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 17:10	WG1779075
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 14:22	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 17:10	WG1779075
Tetrachloroethene	U	<del>I3</del>	0.0280	0.100	1	11/23/2021 17:10	WG1779075
Toluene	U		0.0500	0.200	1	11/23/2021 17:10	WG1779075
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/23/2021 17:10	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 17:10	WG1779075
1,1,1-Trichloroethane	U	<del>I3</del>	0.0110	0.100	1	11/23/2021 17:10	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 17:10	WG1779075
Trichloroethene	0.0710		0.0160	0.0400	1	11/23/2021 17:10	WG1779075
Trichlorofluoromethane	U	<del>I3</del>	0.0200	0.100	1	11/23/2021 17:10	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 17:10	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 17:10	WG1779075
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 14:22	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 17:10	WG1779075
Vinyl chloride	1.33		0.0273	0.100	1	11/23/2021 17:10	WG1779075
Xylenes, Total	U		0.191	0.260	1	11/23/2021 17:10	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 17:10	WG1779075
Tetrahydrofuran	1.86		0.0900	0.500	1	11/23/2021 17:10	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 17:10	WG1779075
Allyl chloride	U	<del>I3</del>	0.580	1.00	1	11/23/2021 17:10	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 17:10	WG1779075
(S) Toluene-d8	110			75.0-131		11/23/2021 17:10	WG1779075
(S) Toluene-d8	107			75.0-131		11/29/2021 14:22	WG1780749
(S) 4-Bromofluorobenzene	104			67.0-138		11/23/2021 17:10	WG1779075
(S) 4-Bromofluorobenzene	85.2			67.0-138		11/29/2021 14:22	WG1780749
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/23/2021 17:10	WG1779075
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/29/2021 14:22	WG1780749

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	303000		8450	20000	1	11/28/2021 05:15	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-04 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5870		102	1000	1	11/24/2021 00:51	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4030		28.1	100	1	12/17/2021 19:14	<a href="#">WG1790964</a>
Manganese	757		0.704	5.00	1	12/17/2021 19:14	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4140		0.287	0.678	1	11/28/2021 14:41	<a href="#">WG1780486</a>
Ethane	U		0.296	1.29	1	11/28/2021 14:41	<a href="#">WG1780486</a>
Ethene	U		0.422	1.27	1	11/28/2021 14:41	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.40		0.548	1.00	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Bromomethane	U	<del>JS</del>	0.148	0.500	1	11/23/2021 17:29	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 17:29	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 14:41	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 14:41	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>JS</del>	0.0432	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Chloroethane	U	<del>JS</del>	0.0432	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Chloromethane	U	<del>JS</del>	0.0556	0.500	1	11/23/2021 17:29	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 14:41	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 14:41	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 17:29	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>JS</del>	0.0200	0.100	1	11/23/2021 17:29	<a href="#">WG1779075</a>

JC 1/24/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/23/2021 17:29	WG1779075
trans-1,2-Dichloroethene	U	<del>13</del>	0.0572	0.200	1	11/23/2021 17:29	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 17:29	WG1779075
1,1-Dichloropropene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 17:29	WG1779075
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 14:41	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 17:29	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 17:29	WG1779075
2,2-Dichloropropane	U	<del>13</del>	0.0317	0.100	1	11/23/2021 17:29	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 17:29	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 17:29	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 17:29	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 17:29	WG1779075
p-Isopropyltoluene	U	<del>13</del>	0.0932	0.200	1	11/23/2021 17:29	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 17:29	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 17:29	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 17:29	WG1779075
Methyl tert-butyl ether	0.0260		0.0118	0.0400	1	11/23/2021 17:29	WG1779075
Naphthalene	U	UJ <del>13</del>	0.124	0.500	1	11/23/2021 17:29	WG1779075
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 14:41	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 17:29	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 17:29	WG1779075
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 14:41	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 17:29	WG1779075
Tetrachloroethene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 17:29	WG1779075
Toluene	U		0.0500	0.200	1	11/23/2021 17:29	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>13</del>	0.0250	0.500	1	11/23/2021 17:29	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 17:29	WG1779075
1,1,1-Trichloroethane	U	<del>13</del>	0.0110	0.100	1	11/23/2021 17:29	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 17:29	WG1779075
Trichloroethene	U		0.0160	0.0400	1	11/23/2021 17:29	WG1779075
Trichlorofluoromethane	U	<del>13</del>	0.0200	0.100	1	11/23/2021 17:29	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 17:29	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 17:29	WG1779075
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 14:41	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 17:29	WG1779075
Vinyl chloride	U		0.0273	0.100	1	11/23/2021 17:29	WG1779075
Xylenes, Total	U		0.191	0.260	1	11/23/2021 17:29	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 17:29	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 17:29	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 17:29	WG1779075
Allyl chloride	U	<del>13</del>	0.580	1.00	1	11/23/2021 17:29	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 17:29	WG1779075
(S) Toluene-d8	111			75.0-131		11/23/2021 17:29	WG1779075
(S) Toluene-d8	110			75.0-131		11/29/2021 14:41	WG1780749
(S) 4-Bromofluorobenzene	104			67.0-138		11/23/2021 17:29	WG1779075
(S) 4-Bromofluorobenzene	92.9			67.0-138		11/29/2021 14:41	WG1780749
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/23/2021 17:29	WG1779075
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/29/2021 14:41	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	409000		8450	20000	1	11/28/2021 05:20	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-05 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8280		102	1000	1	11/24/2021 01:07	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5290		28.1	100	1	12/17/2021 19:17	<a href="#">WG1790964</a>
Manganese	1060		0.704	5.00	1	12/17/2021 19:17	<a href="#">WG1790964</a>

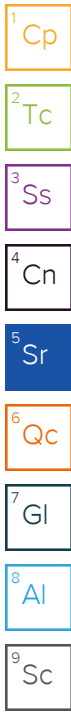
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1060		0.287	0.678	1	11/28/2021 14:49	<a href="#">WG1780486</a>
Ethane	U		0.296	1.29	1	11/28/2021 14:49	<a href="#">WG1780486</a>
Ethene	U		0.422	1.27	1	11/28/2021 14:49	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Bromomethane	U	<del>JS</del>	0.148	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 15:00	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 15:00	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>JS</del>	0.0432	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Chloroethane	U	<del>JS</del>	0.0432	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Chloromethane	U	<del>JS</del>	0.0556	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 15:00	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 15:00	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>JS</del>	0.0200	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>

JC 1/24/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.124		0.0276	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
trans-1,2-Dichloroethene	U	<del>J3</del>	0.0572	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1-Dichloropropene	U	<del>J3</del>	0.0280	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 15:00	<a href="#">WG1780749</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Methylene Chloride	U		0.265	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 15:00	<a href="#">WG1780749</a>
Styrene	U		0.109	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 15:00	<a href="#">WG1780749</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Tetrachloroethene	0.0950	<del>J3</del>	0.0280	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Toluene	U		0.0500	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1,1-Trichloroethane	U	<del>J3</del>	0.0110	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Trichloroethene	0.0590		0.0160	0.0400	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 15:00	<a href="#">WG1780749</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Vinyl chloride	0.174		0.0273	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Xylenes, Total	U		0.191	0.260	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Iodomethane	U		0.242	0.500	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Allyl chloride	U	<del>J3</del>	0.580	1.00	1	11/23/2021 17:48	<a href="#">WG1779075</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 17:48	<a href="#">WG1779075</a>
(S) Toluene-d8	111			75.0-131		11/23/2021 17:48	<a href="#">WG1779075</a>
(S) Toluene-d8	109			75.0-131		11/29/2021 15:00	<a href="#">WG1780749</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/23/2021 17:48	<a href="#">WG1779075</a>
(S) 4-Bromofluorobenzene	87.7			67.0-138		11/29/2021 15:00	<a href="#">WG1780749</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		11/23/2021 17:48	<a href="#">WG1779075</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 15:00	<a href="#">WG1780749</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	317000		8450	20000	1	11/28/2021 05:24	<a href="#">WG1780268</a>

Sample Narrative:

L1433781-06 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10400		102	1000	1	11/24/2021 01:24	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2560		28.1	100	1	12/17/2021 19:20	<a href="#">WG1790964</a>
Manganese	3360		0.704	5.00	1	12/17/2021 19:20	<a href="#">WG1790964</a>

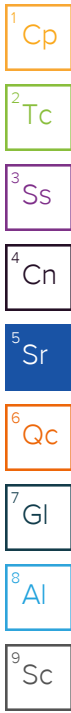
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13100		2.87	6.78	10	11/30/2021 11:27	<a href="#">WG1780701</a>
Ethane	43.1		0.296	1.29	1	11/28/2021 14:54	<a href="#">WG1780486</a>
Ethene	U		0.422	1.27	1	11/28/2021 14:54	<a href="#">WG1780486</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16		0.548	1.00	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Benzene	0.161		0.0160	0.0400	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Bromomethane	U	JS	0.148	0.500	1	11/23/2021 20:20	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 20:20	<a href="#">WG1779075</a>
sec-Butylbenzene	U		1.01	5.00	10	11/29/2021 17:52	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.620	2.00	10	11/29/2021 17:52	<a href="#">WG1780749</a>
Carbon tetrachloride	U	JS	0.0432	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Chloroethane	U	JS	0.0432	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Chloromethane	U	JS	0.0556	0.500	1	11/23/2021 20:20	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.368	1.00	10	11/29/2021 17:52	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.452	2.00	10	11/29/2021 17:52	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 20:20	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,1-Dichloroethane	0.102		0.0230	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,2-Dichloroethane	0.0690	J	0.0190	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>
1,1-Dichloroethene	2.21	JS	0.0200	0.100	1	11/23/2021 20:20	<a href="#">WG1779075</a>

JC 1/24/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	499		0.276	1.00	10	11/29/2021 17:52	WG1780749
trans-1,2-Dichloroethene	2.92	<del>C3</del>	0.0572	0.200	1	11/23/2021 20:20	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 20:20	WG1779075
1,1-Dichloropropene	U	<del>C3</del>	0.0280	0.100	1	11/23/2021 20:20	WG1779075
1,3-Dichloropropane	U		0.700	2.00	10	11/29/2021 17:52	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 20:20	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 20:20	WG1779075
2,2-Dichloropropane	U	<del>C3</del>	0.0317	0.100	1	11/23/2021 20:20	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 20:20	WG1779075
Ethylbenzene	0.0410	<del>U</del>	0.0212	0.100	1	11/23/2021 20:20	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 20:20	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 20:20	WG1779075
p-Isopropyltoluene	U	<del>C3</del>	0.0932	0.200	1	11/23/2021 20:20	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 20:20	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 20:20	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 20:20	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 20:20	WG1779075
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	11/23/2021 20:20	WG1779075
n-Propylbenzene	U		0.472	2.00	10	11/29/2021 17:52	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 20:20	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 20:20	WG1779075
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	11/29/2021 17:52	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 20:20	WG1779075
Tetrachloroethene	416		0.280	1.00	10	11/29/2021 17:52	WG1780749
Toluene	0.185	<del>U</del>	0.0500	0.200	1	11/23/2021 20:20	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	11/23/2021 20:20	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 20:20	WG1779075
1,1,1-Trichloroethane	U	<del>C3</del>	0.0110	0.100	1	11/23/2021 20:20	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 20:20	WG1779075
Trichloroethene	195		0.160	0.400	10	11/29/2021 17:52	WG1780749
Trichlorofluoromethane	U	<del>C3</del>	0.0200	0.100	1	11/23/2021 20:20	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 20:20	WG1779075
1,2,4-Trimethylbenzene	0.176	<del>U</del>	0.0464	0.200	1	11/23/2021 20:20	WG1779075
1,2,3-Trimethylbenzene	U		0.460	2.00	10	11/29/2021 17:52	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 20:20	WG1779075
Vinyl chloride	U		0.273	1.00	10	11/29/2021 17:52	WG1780749
Xylenes, Total	0.470		0.191	0.260	1	11/23/2021 20:20	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 20:20	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 20:20	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 20:20	WG1779075
Allyl chloride	U	<del>C3</del>	0.580	1.00	1	11/23/2021 20:20	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 20:20	WG1779075
(S) Toluene-d8	110			75.0-131		11/23/2021 20:20	WG1779075
(S) Toluene-d8	110			75.0-131		11/29/2021 17:52	WG1780749
(S) 4-Bromofluorobenzene	105			67.0-138		11/23/2021 20:20	WG1779075
(S) 4-Bromofluorobenzene	87.8			67.0-138		11/29/2021 17:52	WG1780749
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/23/2021 20:20	WG1779075
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 17:52	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 1/24/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	341000		8450	20000	1	11/28/2021 05:36	<a href="#">WG1780268</a>

Sample Narrative:

L1433897-01 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	16000		102	1000	1	11/24/2021 02:34	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5010		28.1	100	1	12/17/2021 19:23	<a href="#">WG1790964</a>
Manganese	1880		0.704	5.00	1	12/17/2021 19:23	<a href="#">WG1790964</a>

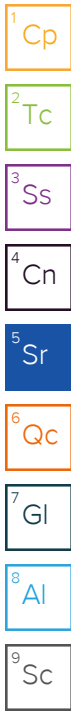
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20400		2.87	6.78	10	12/02/2021 09:41	<a href="#">WG1782924</a>
Ethane	13.4		0.296	1.29	1	12/01/2021 09:07	<a href="#">WG1780487</a>
Ethene	1100		0.422	1.27	1	12/01/2021 09:07	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.58		0.548	1.00	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Benzene	0.0510		0.0160	0.0400	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 20:39	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 20:39	<a href="#">WG1779075</a>
sec-Butylbenzene	U		50.5	250	500	11/29/2021 18:11	<a href="#">WG1780749</a>
tert-Butylbenzene	U		31.0	100	500	11/29/2021 18:11	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 20:39	<a href="#">WG1779075</a>
2-Chlorotoluene	U		18.4	50.0	500	11/29/2021 18:11	<a href="#">WG1780749</a>
4-Chlorotoluene	U		22.6	100	500	11/29/2021 18:11	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 20:39	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>
1,1-Dichloroethene	16.3	<del>J3</del>	0.0200	0.100	1	11/23/2021 20:39	<a href="#">WG1779075</a>

JC 1/25/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5430		13.8	50.0	500	11/29/2021 18:11	WG1780749
trans-1,2-Dichloroethene	14.1	J3	0.0572	0.200	1	11/23/2021 20:39	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 20:39	WG1779075
1,1-Dichloropropene	U	J3	0.0280	0.100	1	11/23/2021 20:39	WG1779075
1,3-Dichloropropane	U		35.0	100	500	11/29/2021 18:11	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 20:39	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 20:39	WG1779075
2,2-Dichloropropane	U	J3	0.0317	0.100	1	11/23/2021 20:39	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 20:39	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 20:39	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 20:39	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 20:39	WG1779075
p-Isopropyltoluene	U	J3	0.0932	0.200	1	11/23/2021 20:39	WG1779075
2-Butanone (MEK)	1.11		0.500	1.00	1	11/23/2021 20:39	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 20:39	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 20:39	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 20:39	WG1779075
Naphthalene	U	UJ C3	0.124	0.500	1	11/23/2021 20:39	WG1779075
n-Propylbenzene	U		23.6	100	500	11/29/2021 18:11	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 20:39	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 20:39	WG1779075
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	11/29/2021 18:11	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 20:39	WG1779075
Tetrachloroethene	123		14.0	50.0	500	11/29/2021 18:11	WG1780749
Toluene	0.128		0.0500	0.200	1	11/23/2021 20:39	WG1779075
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	11/23/2021 20:39	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 20:39	WG1779075
1,1,1-Trichloroethane	U	J3	0.0110	0.100	1	11/23/2021 20:39	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 20:39	WG1779075
Trichloroethene	U		8.00	20.0	500	11/29/2021 18:11	WG1780749
Trichlorofluoromethane	U	J3	0.0200	0.100	1	11/23/2021 20:39	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 20:39	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 20:39	WG1779075
1,2,3-Trimethylbenzene	U		23.0	100	500	11/29/2021 18:11	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 20:39	WG1779075
Vinyl chloride	5110		13.6	50.0	500	11/29/2021 18:11	WG1780749
Xylenes, Total	0.242		0.191	0.260	1	11/23/2021 20:39	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 20:39	WG1779075
Tetrahydrofuran	1.03		0.0900	0.500	1	11/23/2021 20:39	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 20:39	WG1779075
Allyl chloride	U	J3	0.580	1.00	1	11/23/2021 20:39	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 20:39	WG1779075
(S) Toluene-d8	111			75.0-131		11/23/2021 20:39	WG1779075
(S) Toluene-d8	107			75.0-131		11/29/2021 18:11	WG1780749
(S) 4-Bromofluorobenzene	109			67.0-138		11/23/2021 20:39	WG1779075
(S) 4-Bromofluorobenzene	88.6			67.0-138		11/29/2021 18:11	WG1780749
(S) 1,2-Dichloroethane-d4	114			70.0-130		11/23/2021 20:39	WG1779075
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 18:11	WG1780749

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 1/25/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	645000		8450	20000	1	11/28/2021 05:49	<a href="#">WG1780268</a>

Sample Narrative:

L1433897-02 WG1780268: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	12600		102	1000	1	11/24/2021 03:30	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8300		28.1	100	1	12/17/2021 19:27	<a href="#">WG1790964</a>
Manganese	1500		0.704	5.00	1	12/17/2021 19:27	<a href="#">WG1790964</a>

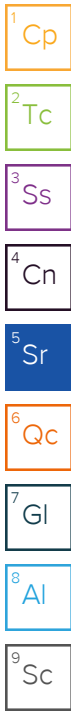
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	32800		2.87	6.78	10	12/02/2021 09:45	<a href="#">WG1782924</a>
Ethane	260		0.296	1.29	1	12/01/2021 09:12	<a href="#">WG1780487</a>
Ethene	109		0.422	1.27	1	12/01/2021 09:12	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	16.6		0.548	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Benzene	0.0460		0.0160	0.0400	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Bromomethane	U	J3	0.148	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 15:19	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 15:19	<a href="#">WG1780749</a>
Carbon tetrachloride	U	J3	0.0432	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Chloroethane	U	J3	0.0432	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Chloromethane	U	J3	0.0556	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 15:19	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 15:19	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	J3	0.0200	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>

JC 1/25/2022





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.259		0.0276	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
trans-1,2-Dichloroethene	0.731	<del>13</del>	0.0572	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1-Dichloropropene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 15:19	<a href="#">WG1780749</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
2,2-Dichloropropane	U	<del>13</del>	0.0317	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
p-Isopropyltoluene	U	<del>13</del>	0.0932	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
2-Butanone (MEK)	2.33		0.500	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Methylene Chloride	U		0.265	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 15:19	<a href="#">WG1780749</a>
Styrene	U		0.109	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 15:19	<a href="#">WG1780749</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Tetrachloroethene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Toluene	U		0.0500	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1,1-Trichloroethane	U	<del>13</del>	0.0110	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Trichloroethene	0.0850		0.0160	0.0400	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Trichlorofluoromethane	U	<del>13</del>	0.0200	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 15:19	<a href="#">WG1780749</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Vinyl chloride	4.57		0.0273	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Xylenes, Total	U		0.191	0.260	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Tetrahydrofuran	3.65		0.0900	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Iodomethane	U		0.242	0.500	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Allyl chloride	U	<del>13</del>	0.580	1.00	1	11/23/2021 18:07	<a href="#">WG1779075</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 18:07	<a href="#">WG1779075</a>
(S) Toluene-d8	108			75.0-131		11/23/2021 18:07	<a href="#">WG1779075</a>
(S) Toluene-d8	107			75.0-131		11/29/2021 15:19	<a href="#">WG1780749</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/23/2021 18:07	<a href="#">WG1779075</a>
(S) 4-Bromofluorobenzene	87.9			67.0-138		11/29/2021 15:19	<a href="#">WG1780749</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/23/2021 18:07	<a href="#">WG1779075</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/29/2021 15:19	<a href="#">WG1780749</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	524000		8450	20000	1	11/28/2021 05:54	<a href="#">WG1780268</a>

Sample Narrative:

L1433897-03 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7160		102	1000	1	11/24/2021 03:46	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2690		28.1	100	1	12/17/2021 19:30	<a href="#">WG1790964</a>
Manganese	602		0.704	5.00	1	12/17/2021 19:30	<a href="#">WG1790964</a>

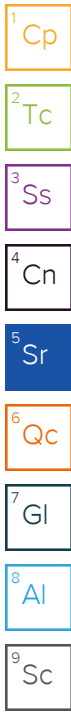
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10400		2.87	6.78	10	12/02/2021 09:49	<a href="#">WG1782924</a>
Ethane	239		0.296	1.29	1	12/01/2021 09:17	<a href="#">WG1780487</a>
Ethene	19.4		0.422	1.27	1	12/01/2021 09:17	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.36		0.548	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
sec-Butylbenzene	U		1.01	5.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.620	2.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.368	1.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.452	2.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>

JC 1/25/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.130		0.0276	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
trans-1,2-Dichloroethene	U	<del>13</del>	0.0572	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1-Dichloropropene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,3-Dichloropropane	U		0.700	2.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
2,2-Dichloropropane	U	<del>13</del>	0.0317	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Ethylbenzene	0.0430	<del>13</del>	0.0212	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
p-Isopropyltoluene	U	<del>13</del>	0.0932	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
2-Butanone (MEK)	1.45		0.500	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Methylene Chloride	U		0.265	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Naphthalene	U	<del>UJ</del> <del>13</del>	0.124	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
n-Propylbenzene	U		0.472	2.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
Styrene	U		0.109	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Tetrachloroethene	U	<del>13</del>	0.0280	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Toluene	0.136	<del>13</del>	0.0500	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2,3-Trichlorobenzene	U	<del>UJ</del> <del>13</del>	0.0250	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1,1-Trichloroethane	U	<del>13</del>	0.0110	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Trichloroethene	U		0.0160	0.0400	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Trichlorofluoromethane	U	<del>13</del>	0.0200	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2,4-Trimethylbenzene	0.0720	<del>13</del>	0.0464	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	11/29/2021 15:39	<a href="#">WG1780749</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Vinyl chloride	0.823		0.0273	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Xylenes, Total	0.325		0.191	0.260	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Tetrahydrofuran	3.74		0.0900	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Iodomethane	U		0.242	0.500	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Allyl chloride	U	<del>13</del>	0.580	1.00	1	11/23/2021 18:26	<a href="#">WG1779075</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 18:26	<a href="#">WG1779075</a>
(S) Toluene-d8	108			75.0-131		11/23/2021 18:26	<a href="#">WG1779075</a>
(S) Toluene-d8	107			75.0-131		11/29/2021 15:39	<a href="#">WG1780749</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/23/2021 18:26	<a href="#">WG1779075</a>
(S) 4-Bromofluorobenzene	90.1			67.0-138		11/29/2021 15:39	<a href="#">WG1780749</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		11/23/2021 18:26	<a href="#">WG1779075</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 15:39	<a href="#">WG1780749</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	298000		8450	20000	1	11/28/2021 05:59	<a href="#">WG1780268</a>

Sample Narrative:

L1433897-04 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	12700		102	1000	1	11/24/2021 04:18	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1350		28.1	100	1	12/17/2021 19:33	<a href="#">WG1790964</a>
Manganese	3830		0.704	5.00	1	12/17/2021 19:33	<a href="#">WG1790964</a>

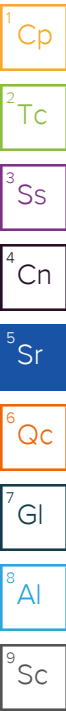
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1480		0.287	0.678	1	12/01/2021 09:21	<a href="#">WG1780487</a>
Ethane	U		0.296	1.29	1	12/01/2021 09:21	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 09:21	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.18		0.548	1.00	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Bromomethane	U	<del>JS</del>	0.148	0.500	1	11/23/2021 20:58	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 20:58	<a href="#">WG1779075</a>
sec-Butylbenzene	U		1.01	5.00	10	11/29/2021 18:30	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.620	2.00	10	11/29/2021 18:30	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>JS</del>	0.0432	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Chloroethane	11.0	<del>JS</del>	0.0432	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Chloromethane	U	<del>JS</del>	0.0556	0.500	1	11/23/2021 20:58	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.368	1.00	10	11/29/2021 18:30	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.452	2.00	10	11/29/2021 18:30	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 20:58	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>
1,1-Dichloroethene	20.3	<del>JS</del>	0.0200	0.100	1	11/23/2021 20:58	<a href="#">WG1779075</a>

JC 1/25/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	348		0.276	1.00	10	11/29/2021 18:30	WG1780749
trans-1,2-Dichloroethene	6.69	<del>I3</del>	0.0572	0.200	1	11/23/2021 20:58	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 20:58	WG1779075
1,1-Dichloropropene	U	<del>I3</del>	0.0280	0.100	1	11/23/2021 20:58	WG1779075
1,3-Dichloropropane	U		0.700	2.00	10	11/29/2021 18:30	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 20:58	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 20:58	WG1779075
2,2-Dichloropropane	U	<del>I3</del>	0.0317	0.100	1	11/23/2021 20:58	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 20:58	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 20:58	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 20:58	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 20:58	WG1779075
p-Isopropyltoluene	U	<del>I3</del>	0.0932	0.200	1	11/23/2021 20:58	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 20:58	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 20:58	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 20:58	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 20:58	WG1779075
Naphthalene	U	UJ <del>I3</del>	0.124	0.500	1	11/23/2021 20:58	WG1779075
n-Propylbenzene	U		0.472	2.00	10	11/29/2021 18:30	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 20:58	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 20:58	WG1779075
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	11/29/2021 18:30	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 20:58	WG1779075
Tetrachloroethene	366		0.280	1.00	10	11/29/2021 18:30	WG1780749
Toluene	U		0.0500	0.200	1	11/23/2021 20:58	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>I3</del>	0.0250	0.500	1	11/23/2021 20:58	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 20:58	WG1779075
1,1,1-Trichloroethane	U	<del>I3</del>	0.0110	0.100	1	11/23/2021 20:58	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 20:58	WG1779075
Trichloroethene	280		0.160	0.400	10	11/29/2021 18:30	WG1780749
Trichlorofluoromethane	U	<del>I3</del>	0.0200	0.100	1	11/23/2021 20:58	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 20:58	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 20:58	WG1779075
1,2,3-Trimethylbenzene	U		0.460	2.00	10	11/29/2021 18:30	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 20:58	WG1779075
Vinyl chloride	21.4		0.273	1.00	10	11/29/2021 18:30	WG1780749
Xylenes, Total	U		0.191	0.260	1	11/23/2021 20:58	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 20:58	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 20:58	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 20:58	WG1779075
Allyl chloride	U	<del>I3</del>	0.580	1.00	1	11/23/2021 20:58	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 20:58	WG1779075
(S) Toluene-d8	111			75.0-131		11/23/2021 20:58	WG1779075
(S) Toluene-d8	106			75.0-131		11/29/2021 18:30	WG1780749
(S) 4-Bromofluorobenzene	109			67.0-138		11/23/2021 20:58	WG1779075
(S) 4-Bromofluorobenzene	89.4			67.0-138		11/29/2021 18:30	WG1780749
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/23/2021 20:58	WG1779075
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/29/2021 18:30	WG1780749

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	620000		8450	20000	1	11/28/2021 06:04	<a href="#">WG1780268</a>

Sample Narrative:

L1433897-05 WG1780268: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	69300		102	1000	1	11/24/2021 04:36	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20300		28.1	100	1	12/17/2021 19:36	<a href="#">WG1790964</a>
Manganese	3430		0.704	5.00	1	12/17/2021 19:36	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21800		2.87	6.78	10	12/02/2021 09:53	<a href="#">WG1782924</a>
Ethane	256		0.296	1.29	1	12/01/2021 09:26	<a href="#">WG1780487</a>
Ethene	3390		0.422	1.27	1	12/01/2021 09:26	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1370	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Acrylonitrile	U		190	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Benzene	U		40.0	100	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Bromobenzene	U		105	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Bromodichloromethane	U		78.8	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Bromoform	U		598	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	370	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
n-Butylbenzene	U		383	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
sec-Butylbenzene	U		253	1250	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
tert-Butylbenzene	U		155	500	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	108	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Chlorobenzene	U		57.3	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Chlorodibromomethane	U		45.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	108	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Chloroform	U		41.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	139	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
2-Chlorotoluene	U		92.0	250	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
4-Chlorotoluene	U		113	500	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		510	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		52.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Dibromomethane	U		100	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		145	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		170	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		197	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		81.8	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		57.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		47.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>J3</del>	50.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>

JC 1/25/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	43900		69.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
trans-1,2-Dichloroethene	U	<del>J3</del>	143	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2-Dichloropropane	U		127	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1-Dichloropropene	U	<del>J3</del>	70.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,3-Dichloropropane	U		175	500	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
cis-1,3-Dichloropropene	U		67.8	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
trans-1,3-Dichloropropene	U		153	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
2,2-Dichloropropane	U	<del>J3</del>	79.3	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Di-isopropyl ether	U		35.0	100	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Ethylbenzene	U		53.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Hexachloro-1,3-butadiene	U		1270	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Isopropylbenzene	U		86.3	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
p-Isopropyltoluene	U	<del>J3</del>	233	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
2-Butanone (MEK)	U		1250	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Methylene Chloride	1010	J	663	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
4-Methyl-2-pentanone (MIBK)	U		1000	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Methyl tert-butyl ether	U		29.5	100	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Naphthalene	U	UJ <del>C3</del>	310	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
n-Propylbenzene	U		118	500	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
Styrene	U		273	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1,1,2-Tetrachloroethane	U		50.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1,2,2-Tetrachloroethane	U		39.0	250	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
1,1,2-Trichlorotrifluoroethane	U		67.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Tetrachloroethene	1170	J+ <del>C5 J3</del>	70.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Toluene	U		125	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	62.5	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2,4-Trichlorobenzene	U		483	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1,1-Trichloroethane	U	<del>J3</del>	27.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,1,2-Trichloroethane	U		88.3	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Trichloroethene	865		40.0	100	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Trichlorofluoromethane	U	<del>J3</del>	50.0	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2,3-Trichloropropane	U		510	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2,4-Trimethylbenzene	U		116	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
1,2,3-Trimethylbenzene	U		115	500	2500	11/29/2021 18:49	<a href="#">WG1780749</a>
1,3,5-Trimethylbenzene	U		108	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Vinyl chloride	22900		68.3	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Xylenes, Total	U		478	650	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Ethyl Ether	U		42.5	250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Tetrahydrofuran	U		225	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Iodomethane	U		605	1250	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Allyl chloride	U	<del>J3</del>	1450	2500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
Trans-1,4-Dichloro-2-butene	U		140	500	2500	11/23/2021 19:42	<a href="#">WG1779075</a>
(S) Toluene-d8	105			75.0-131		11/23/2021 19:42	<a href="#">WG1779075</a>
(S) Toluene-d8	110			75.0-131		11/29/2021 18:49	<a href="#">WG1780749</a>
(S) 4-Bromofluorobenzene	108			67.0-138		11/23/2021 19:42	<a href="#">WG1779075</a>
(S) 4-Bromofluorobenzene	90.6			67.0-138		11/29/2021 18:49	<a href="#">WG1780749</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/23/2021 19:42	<a href="#">WG1779075</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/29/2021 18:49	<a href="#">WG1780749</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	277000		8450	20000	1	11/28/2021 05:54	<a href="#">WG1780269</a>

Sample Narrative:

L1433897-06 WG1780269: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2520	<del>B</del>	102	1000	1	11/24/2021 05:24	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1220		28.1	100	1	12/17/2021 19:40	<a href="#">WG1790964</a>
Manganese	521		0.704	5.00	1	12/17/2021 19:40	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4050		0.287	0.678	1	12/01/2021 09:31	<a href="#">WG1780487</a>
Ethane	78.4		0.296	1.29	1	12/01/2021 09:31	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 09:31	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.13		0.548	1.00	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Benzene	U		0.0160	0.0400	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 18:45	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 18:45	<a href="#">WG1779075</a>
sec-Butylbenzene	U		0.101	0.500	1	11/29/2021 15:58	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/29/2021 15:58	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>B3</del>	0.0432	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 18:45	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/29/2021 15:58	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/29/2021 15:58	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 18:45	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>
1,1-Dichloroethene	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 18:45	<a href="#">WG1779075</a>

JC 1/25/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.162		0.0276	0.100	1	11/23/2021 18:45	WG1779075
trans-1,2-Dichloroethene	U	<del>J3</del>	0.0572	0.200	1	11/23/2021 18:45	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 18:45	WG1779075
1,1-Dichloropropene	U	<del>J3</del>	0.0280	0.100	1	11/23/2021 18:45	WG1779075
1,3-Dichloropropane	U		0.0700	0.200	1	11/29/2021 15:58	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 18:45	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 18:45	WG1779075
2,2-Dichloropropane	U	<del>J3</del>	0.0317	0.100	1	11/23/2021 18:45	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 18:45	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 18:45	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 18:45	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 18:45	WG1779075
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	11/23/2021 18:45	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 18:45	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 18:45	WG1779075
4-Methyl-2-pentanone (MIBK)	0.943	<del>J</del>	0.400	1.00	1	11/23/2021 18:45	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 18:45	WG1779075
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	11/23/2021 18:45	WG1779075
n-Propylbenzene	U		0.0472	0.200	1	11/29/2021 15:58	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 18:45	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 18:45	WG1779075
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/29/2021 15:58	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 18:45	WG1779075
Tetrachloroethene	U	<del>J3</del>	0.0280	0.100	1	11/23/2021 18:45	WG1779075
Toluene	U		0.0500	0.200	1	11/23/2021 18:45	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	11/23/2021 18:45	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 18:45	WG1779075
1,1,1-Trichloroethane	U	<del>J3</del>	0.0110	0.100	1	11/23/2021 18:45	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 18:45	WG1779075
Trichloroethene	U		0.0160	0.0400	1	11/23/2021 18:45	WG1779075
Trichlorofluoromethane	U	<del>J3</del>	0.0200	0.100	1	11/23/2021 18:45	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 18:45	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 18:45	WG1779075
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/29/2021 15:58	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 18:45	WG1779075
Vinyl chloride	0.340		0.0273	0.100	1	11/23/2021 18:45	WG1779075
Xylenes, Total	U		0.191	0.260	1	11/23/2021 18:45	WG1779075
Ethyl Ether	U		0.0170	0.100	1	11/23/2021 18:45	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 18:45	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 18:45	WG1779075
Allyl chloride	U	<del>J3</del>	0.580	1.00	1	11/23/2021 18:45	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 18:45	WG1779075
(S) Toluene-d8	109			75.0-131		11/23/2021 18:45	WG1779075
(S) Toluene-d8	106			75.0-131		11/29/2021 15:58	WG1780749
(S) 4-Bromofluorobenzene	101			67.0-138		11/23/2021 18:45	WG1779075
(S) 4-Bromofluorobenzene	87.2			67.0-138		11/29/2021 15:58	WG1780749
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/23/2021 18:45	WG1779075
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/29/2021 15:58	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	419000		8450	20000	1	11/28/2021 05:58	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-01 WG1780269: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4110	<del>B</del>	102	1000	1	11/24/2021 05:39	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6740		28.1	100	1	12/17/2021 19:43	<a href="#">WG1790964</a>
Manganese	555		0.704	5.00	1	12/17/2021 19:43	<a href="#">WG1790964</a>

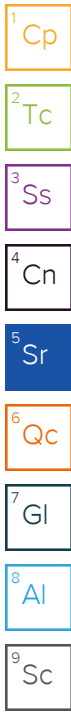
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	480		0.287	0.678	1	12/01/2021 09:35	<a href="#">WG1780487</a>
Ethane	17.8		0.296	1.29	1	12/01/2021 09:35	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 09:35	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

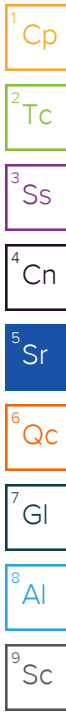
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Benzene	0.257		0.0160	0.0400	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Bromomethane	U	<del>J3</del>	0.148	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
sec-Butylbenzene	U		1.01	5.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
tert-Butylbenzene	U		0.620	2.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
Carbon tetrachloride	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Chloroethane	U	<del>J3</del>	0.0432	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Chloromethane	U	<del>J3</del>	0.0556	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
2-Chlorotoluene	U		0.368	1.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
4-Chlorotoluene	U		0.452	2.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1-Dichloroethene	0.278	<del>J3</del>	0.0200	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>

JC 1/25/22



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	177		0.276	1.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
trans-1,2-Dichloroethene	0.274	<del>C3</del>	0.0572	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1-Dichloropropene	U	<del>C3</del>	0.0280	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,3-Dichloropropane	U		0.700	2.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
2,2-Dichloropropane	U	<del>C3</del>	0.0317	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
p-Isopropyltoluene	U	<del>C3</del>	0.0932	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Methylene Chloride	U		0.265	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
n-Propylbenzene	U		0.472	2.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
Styrene	U		0.109	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Tetrachloroethene	0.630	<del>C3</del>	0.280	1.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
Toluene	U		0.0500	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1,1-Trichloroethane	U	<del>C3</del>	0.0110	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Trichloroethene	2.05	<del>C3</del>	0.160	0.400	10	11/29/2021 19:08	<a href="#">WG1780749</a>
Trichlorofluoromethane	U	<del>C3</del>	0.0200	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Vinyl chloride	8.68		0.273	1.00	10	11/29/2021 19:08	<a href="#">WG1780749</a>
Xylenes, Total	U		0.191	0.260	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Ethyl Ether	0.110		0.0170	0.100	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Iodomethane	U		0.242	0.500	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Allyl chloride	U	<del>C3</del>	0.580	1.00	1	11/23/2021 21:18	<a href="#">WG1779075</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 21:18	<a href="#">WG1779075</a>
(S) Toluene-d8	110			75.0-131		11/23/2021 21:18	<a href="#">WG1779075</a>
(S) Toluene-d8	105			75.0-131		11/29/2021 19:08	<a href="#">WG1780749</a>
(S) 4-Bromofluorobenzene	105			67.0-138		11/23/2021 21:18	<a href="#">WG1779075</a>
(S) 4-Bromofluorobenzene	89.9			67.0-138		11/29/2021 19:08	<a href="#">WG1780749</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/23/2021 21:18	<a href="#">WG1779075</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/29/2021 19:08	<a href="#">WG1780749</a>



JC 1/25/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	556000		8450	20000	1	11/28/2021 06:02	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-02 WG1780269: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9350		102	1000	1	11/24/2021 05:56	<a href="#">WG1779051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	71.1	J	28.1	100	1	12/17/2021 19:53	<a href="#">WG1790964</a>
Manganese	2060		0.704	5.00	1	12/17/2021 19:53	<a href="#">WG1790964</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1440		0.287	0.678	1	12/01/2021 09:39	<a href="#">WG1780487</a>
Ethane	21.6		0.296	1.29	1	12/01/2021 09:39	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 09:39	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Acrylonitrile	U		0.0760	0.500	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Benzene	1.63		0.0160	0.0400	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Bromobenzene	U		0.0420	0.500	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Bromodichloromethane	U		0.0315	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Bromoform	U		0.239	1.00	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Bromomethane	U	J3	0.148	0.500	1	11/23/2021 21:37	<a href="#">WG1779075</a>
n-Butylbenzene	U		0.153	0.500	1	11/23/2021 21:37	<a href="#">WG1779075</a>
sec-Butylbenzene	U		10.1	50.0	100	11/29/2021 19:28	<a href="#">WG1780749</a>
tert-Butylbenzene	U		6.20	20.0	100	11/29/2021 19:28	<a href="#">WG1780749</a>
Carbon tetrachloride	U	J3	0.0432	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Chlorobenzene	U		0.0229	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Chloroethane	U	J3	0.0432	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Chloroform	U		0.0166	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Chloromethane	U	J3	0.0556	0.500	1	11/23/2021 21:37	<a href="#">WG1779075</a>
2-Chlorotoluene	U		3.68	10.0	100	11/29/2021 19:28	<a href="#">WG1780749</a>
4-Chlorotoluene	U		4.52	20.0	100	11/29/2021 19:28	<a href="#">WG1780749</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Dibromomethane	U		0.0400	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/23/2021 21:37	<a href="#">WG1779075</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,1-Dichloroethane	0.0560	J	0.0230	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>
1,1-Dichloroethene	3.63	J3	0.0200	0.100	1	11/23/2021 21:37	<a href="#">WG1779075</a>

JC 1/25/22

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2770		2.76	10.0	100	11/29/2021 19:28	WG1780749
trans-1,2-Dichloroethene	3.59	<del>I3</del>	0.0572	0.200	1	11/23/2021 21:37	WG1779075
1,2-Dichloropropane	U		0.0508	0.200	1	11/23/2021 21:37	WG1779075
1,1-Dichloropropene	U	<del>I3</del>	0.0280	0.100	1	11/23/2021 21:37	WG1779075
1,3-Dichloropropane	U		7.00	20.0	100	11/29/2021 19:28	WG1780749
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/23/2021 21:37	WG1779075
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/23/2021 21:37	WG1779075
2,2-Dichloropropane	U	<del>I3</del>	0.0317	0.100	1	11/23/2021 21:37	WG1779075
Di-isopropyl ether	U		0.0140	0.0400	1	11/23/2021 21:37	WG1779075
Ethylbenzene	U		0.0212	0.100	1	11/23/2021 21:37	WG1779075
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/23/2021 21:37	WG1779075
Isopropylbenzene	U		0.0345	0.100	1	11/23/2021 21:37	WG1779075
p-Isopropyltoluene	U	<del>I3</del>	0.0932	0.200	1	11/23/2021 21:37	WG1779075
2-Butanone (MEK)	U		0.500	1.00	1	11/23/2021 21:37	WG1779075
Methylene Chloride	U		0.265	1.00	1	11/23/2021 21:37	WG1779075
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/23/2021 21:37	WG1779075
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/23/2021 21:37	WG1779075
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	11/23/2021 21:37	WG1779075
n-Propylbenzene	U		4.72	20.0	100	11/29/2021 19:28	WG1780749
Styrene	U		0.109	0.500	1	11/23/2021 21:37	WG1779075
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/23/2021 21:37	WG1779075
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	11/29/2021 19:28	WG1780749
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/23/2021 21:37	WG1779075
Tetrachloroethene	104		2.80	10.0	100	11/29/2021 19:28	WG1780749
Toluene	U		0.0500	0.200	1	11/23/2021 21:37	WG1779075
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	11/23/2021 21:37	WG1779075
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/23/2021 21:37	WG1779075
1,1,1-Trichloroethane	U	<del>I3</del>	0.0110	0.100	1	11/23/2021 21:37	WG1779075
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/23/2021 21:37	WG1779075
Trichloroethene	198		1.60	4.00	100	11/29/2021 19:28	WG1780749
Trichlorofluoromethane	U	<del>I3</del>	0.0200	0.100	1	11/23/2021 21:37	WG1779075
1,2,3-Trichloropropane	U		0.204	0.500	1	11/23/2021 21:37	WG1779075
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/23/2021 21:37	WG1779075
1,2,3-Trimethylbenzene	U		4.60	20.0	100	11/29/2021 19:28	WG1780749
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/23/2021 21:37	WG1779075
Vinyl chloride	U		2.73	10.0	100	11/29/2021 19:28	WG1780749
Xylenes, Total	U		0.191	0.260	1	11/23/2021 21:37	WG1779075
Ethyl Ether	0.137		0.0170	0.100	1	11/23/2021 21:37	WG1779075
Tetrahydrofuran	U		0.0900	0.500	1	11/23/2021 21:37	WG1779075
Iodomethane	U		0.242	0.500	1	11/23/2021 21:37	WG1779075
Allyl chloride	U	<del>I3</del>	0.580	1.00	1	11/23/2021 21:37	WG1779075
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/23/2021 21:37	WG1779075
(S) Toluene-d8	104			75.0-131		11/23/2021 21:37	WG1779075
(S) Toluene-d8	108			75.0-131		11/29/2021 19:28	WG1780749
(S) 4-Bromofluorobenzene	104			67.0-138		11/23/2021 21:37	WG1779075
(S) 4-Bromofluorobenzene	90.0			67.0-138		11/29/2021 19:28	WG1780749
(S) 1,2-Dichloroethane-d4	114			70.0-130		11/23/2021 21:37	WG1779075
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/29/2021 19:28	WG1780749

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 1/25/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	255000		8450	20000	1	11/28/2021 06:06	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-03 WG1780269: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4280	<del>B</del>	102	1000	1	11/24/2021 06:11	<a href="#">WG179051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	378		28.1	100	1	12/17/2021 19:59	<a href="#">WG1790964</a>
Manganese	466		0.704	5.00	1	12/17/2021 19:59	<a href="#">WG1790964</a>

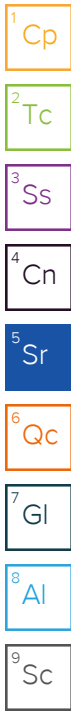
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1270		0.287	0.678	1	12/01/2021 09:51	<a href="#">WG1780487</a>
Ethane	U		0.296	1.29	1	12/01/2021 09:51	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 09:51	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Acrylonitrile	U		0.0760	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Benzene	U		0.0160	0.0400	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Bromobenzene	U		0.0420	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Bromodichloromethane	U		0.0315	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Bromoform	U		0.239	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Bromomethane	U		0.148	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
n-Butylbenzene	U		0.153	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
sec-Butylbenzene	U		0.101	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Chlorobenzene	U		0.0229	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Chloroethane	U		0.0432	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Chloroform	0.117		0.0166	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Chloromethane	U		0.0556	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Dibromomethane	U		0.0400	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>

JC 1/25/22



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Ethylbenzene	U		0.0212	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Isopropylbenzene	U		0.0345	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Methylene Chloride	U		0.265	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
n-Propylbenzene	U		0.0472	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Styrene	U		0.109	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Tetrachloroethene	0.118		0.0280	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Toluene	U		0.0500	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Trichloroethene	0.0940		0.0160	0.0400	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Vinyl chloride	U		0.0273	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Xylenes, Total	U		0.191	0.260	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Ethyl Ether	U		0.0170	0.100	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Iodomethane	U		0.242	0.500	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Allyl chloride	U		0.580	1.00	1	11/24/2021 15:44	<a href="#">WG1779849</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/24/2021 15:44	<a href="#">WG1779849</a>
(S) Toluene-d8	106			75.0-131		11/24/2021 15:44	<a href="#">WG1779849</a>
(S) 4-Bromofluorobenzene	103			67.0-138		11/24/2021 15:44	<a href="#">WG1779849</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/24/2021 15:44	<a href="#">WG1779849</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	566000		8450	20000	1	11/28/2021 06:31	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-04 WG1780269: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9650		102	1000	1	11/24/2021 06:44	<a href="#">WG179051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19400		28.1	100	1	12/17/2021 20:02	<a href="#">WG1790964</a>
Manganese	1480		0.704	5.00	1	12/17/2021 20:02	<a href="#">WG1790964</a>

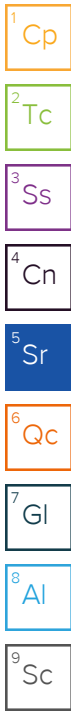
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25200		2.87	6.78	10	12/02/2021 09:57	<a href="#">WG1782924</a>
Ethane	U		0.296	1.29	1	12/01/2021 10:00	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 10:00	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Acrylonitrile	U		0.0760	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Benzene	U		0.0160	0.0400	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Bromobenzene	U		0.0420	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Bromodichloromethane	U		0.0315	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Bromoform	U		0.239	1.00	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Bromomethane	U		0.148	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
n-Butylbenzene	U		0.153	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
sec-Butylbenzene	U		0.101	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Chlorobenzene	U		0.0229	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Chloroethane	U		0.0432	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Chloroform	U		0.0166	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Chloromethane	U		0.0556	0.500	1	11/24/2021 16:03	<a href="#">WG1779849</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Dibromomethane	U		0.0400	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/24/2021 16:03	<a href="#">WG1779849</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,1-Dichloroethane	U		0.0230	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/24/2021 16:03	<a href="#">WG1779849</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	11/24/2021 16:03	WG1779849
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/24/2021 16:03	WG1779849
1,2-Dichloropropane	U		0.0508	0.200	1	11/24/2021 16:03	WG1779849
1,1-Dichloropropene	U		0.0280	0.100	1	11/24/2021 16:03	WG1779849
1,3-Dichloropropane	U		0.0700	0.200	1	11/24/2021 16:03	WG1779849
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/24/2021 16:03	WG1779849
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/24/2021 16:03	WG1779849
2,2-Dichloropropane	U		0.0317	0.100	1	11/24/2021 16:03	WG1779849
Di-isopropyl ether	U		0.0140	0.0400	1	11/24/2021 16:03	WG1779849
Ethylbenzene	U		0.0212	0.100	1	11/24/2021 16:03	WG1779849
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/24/2021 16:03	WG1779849
Isopropylbenzene	U		0.0345	0.100	1	11/24/2021 16:03	WG1779849
p-Isopropyltoluene	U		0.0932	0.200	1	11/24/2021 16:03	WG1779849
2-Butanone (MEK)	U		0.500	1.00	1	11/24/2021 16:03	WG1779849
Methylene Chloride	U		0.265	1.00	1	11/24/2021 16:03	WG1779849
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/24/2021 16:03	WG1779849
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/24/2021 16:03	WG1779849
Naphthalene	U	UJ C3	0.124	0.500	1	11/24/2021 16:03	WG1779849
n-Propylbenzene	U		0.0472	0.200	1	11/24/2021 16:03	WG1779849
Styrene	U		0.109	0.500	1	11/24/2021 16:03	WG1779849
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/24/2021 16:03	WG1779849
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/24/2021 16:03	WG1779849
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/24/2021 16:03	WG1779849
Tetrachloroethene	U		0.0280	0.100	1	11/24/2021 16:03	WG1779849
Toluene	U		0.0500	0.200	1	11/24/2021 16:03	WG1779849
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	11/24/2021 16:03	WG1779849
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/24/2021 16:03	WG1779849
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/24/2021 16:03	WG1779849
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/24/2021 16:03	WG1779849
Trichloroethene	U		0.0160	0.0400	1	11/24/2021 16:03	WG1779849
Trichlorofluoromethane	U		0.0200	0.100	1	11/24/2021 16:03	WG1779849
1,2,3-Trichloropropane	U		0.204	0.500	1	11/24/2021 16:03	WG1779849
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/24/2021 16:03	WG1779849
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/24/2021 16:03	WG1779849
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/24/2021 16:03	WG1779849
Vinyl chloride	U		0.0273	0.100	1	11/24/2021 16:03	WG1779849
Xylenes, Total	U		0.191	0.260	1	11/24/2021 16:03	WG1779849
Ethyl Ether	U		0.0170	0.100	1	11/24/2021 16:03	WG1779849
Tetrahydrofuran	U		0.0900	0.500	1	11/24/2021 16:03	WG1779849
Iodomethane	U		0.242	0.500	1	11/24/2021 16:03	WG1779849
Allyl chloride	U		0.580	1.00	1	11/24/2021 16:03	WG1779849
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/24/2021 16:03	WG1779849
(S) Toluene-d8	105			75.0-131		11/24/2021 16:03	WG1779849
(S) 4-Bromofluorobenzene	103			67.0-138		11/24/2021 16:03	WG1779849
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/24/2021 16:03	WG1779849

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	140000		8450	20000	1	11/28/2021 06:34	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-05 WG1780269: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1250	<del>B</del>	102	1000	1	11/24/2021 07:02	<a href="#">WG179051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	59.9	J	28.1	100	1	12/17/2021 20:06	<a href="#">WG1790964</a>
Manganese	147		0.704	5.00	1	12/17/2021 20:06	<a href="#">WG1790964</a>

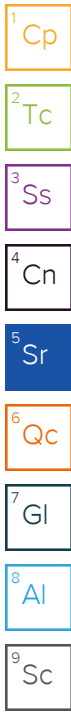
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	12/01/2021 10:36	<a href="#">WG1780487</a>
Ethane	U		0.296	1.29	1	12/01/2021 10:36	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 10:36	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.92		0.548	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Acrylonitrile	U		0.0760	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Benzene	U		0.0160	0.0400	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Bromobenzene	U		0.0420	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Bromodichloromethane	U		0.0315	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Bromoform	U		0.239	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Bromomethane	U		0.148	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
n-Butylbenzene	U		0.153	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
sec-Butylbenzene	U		0.101	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Chlorobenzene	U		0.0229	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Chloroethane	U		0.0432	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Chloroform	0.0500	J	0.0166	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Chloromethane	U		0.0556	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Dibromomethane	U		0.0400	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1-Dichloroethane	0.437		0.0230	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2-Dichloroethane	U		0.0190	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1-Dichloroethene	U		0.0200	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.841		0.0276	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Di-isopropyl ether	U		0.0140	0.0400	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Ethylbenzene	U		0.0212	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Isopropylbenzene	U		0.0345	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Methylene Chloride	U		0.265	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
n-Propylbenzene	U		0.0472	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Styrene	U		0.109	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1,2-Trichlorotrifluoroethane	0.126		0.0270	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Tetrachloroethene	U		0.0280	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Toluene	U		0.0500	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1,1-Trichloroethane	0.0580	U	0.0110	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Trichloroethene	U		0.0160	0.0400	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Vinyl chloride	0.175		0.0273	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Xylenes, Total	U		0.191	0.260	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Ethyl Ether	U		0.0170	0.100	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Iodomethane	U		0.242	0.500	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Allyl chloride	U		0.580	1.00	1	11/24/2021 16:51	<a href="#">WG1779849</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/24/2021 16:51	<a href="#">WG1779849</a>
(S) Toluene-d8	102			75.0-131		11/24/2021 16:51	<a href="#">WG1779849</a>
(S) 4-Bromofluorobenzene	111			67.0-138		11/24/2021 16:51	<a href="#">WG1779849</a>
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/24/2021 16:51	<a href="#">WG1779849</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	440000		8450	20000	1	11/28/2021 06:39	<a href="#">WG1780269</a>

Sample Narrative:

L1433905-06 WG1780269: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6430		102	1000	1	11/24/2021 07:18	<a href="#">WG179051</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5630		28.1	100	1	12/17/2021 20:09	<a href="#">WG1790964</a>
Manganese	546		0.704	5.00	1	12/17/2021 20:09	<a href="#">WG1790964</a>

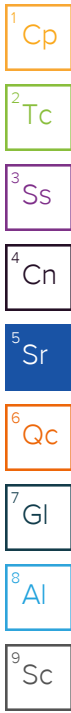
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2120		0.287	0.678	1	12/01/2021 10:39	<a href="#">WG1780487</a>
Ethane	50.7		0.296	1.29	1	12/01/2021 10:39	<a href="#">WG1780487</a>
Ethene	U		0.422	1.27	1	12/01/2021 10:39	<a href="#">WG1780487</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.41	J	0.548	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Acrylonitrile	U		0.0760	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Benzene	4.34		0.0160	0.0400	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Bromobenzene	U		0.0420	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Bromodichloromethane	U		0.0315	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Bromoform	U		0.239	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Bromomethane	U		0.148	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
n-Butylbenzene	U		0.153	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
sec-Butylbenzene	U		0.101	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
tert-Butylbenzene	U		0.0620	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Carbon tetrachloride	U		0.0432	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Chlorobenzene	U		0.0229	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Chlorodibromomethane	U		0.0180	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Chloroethane	U		0.0432	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Chloroform	U		0.0166	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Chloromethane	U		0.0556	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
2-Chlorotoluene	U		0.0368	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
4-Chlorotoluene	U		0.0452	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2-Dibromoethane	U		0.0210	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Dibromomethane	U		0.0400	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1-Dichloroethane	0.268		0.0230	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2-Dichloroethane	0.0840	J	0.0190	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1-Dichloroethene	11.6		0.0200	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>

JC 1/25/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5080		5.52	20.0	200	12/01/2021 13:57	<a href="#">WG1782178</a>
trans-1,2-Dichloroethene	16.1		0.0572	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2-Dichloropropane	U		0.0508	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1-Dichloropropene	U		0.0280	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,3-Dichloropropane	U		0.0700	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
2,2-Dichloropropane	U		0.0317	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Di-isopropyl ether	0.209	J	0.0140	0.0400	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Ethylbenzene	U		0.0212	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Isopropylbenzene	U		0.0345	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
p-Isopropyltoluene	U		0.0932	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
2-Butanone (MEK)	U		0.500	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Methylene Chloride	U		0.265	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Naphthalene	U	UJ C3	0.124	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
n-Propylbenzene	U		0.0472	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Styrene	U		0.109	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Tetrachloroethene	57.2		0.0280	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Toluene	0.0950	U	0.0500	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Trichloroethene	751		3.20	8.00	200	12/01/2021 13:57	<a href="#">WG1782178</a>
Trichlorofluoromethane	U		0.0200	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Vinyl chloride	10.2		0.0273	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Xylenes, Total	U		0.191	0.260	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Ethyl Ether	U		0.0170	0.100	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Tetrahydrofuran	U		0.0900	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Iodomethane	U		0.242	0.500	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Allyl chloride	U		0.580	1.00	1	11/24/2021 17:09	<a href="#">WG1779849</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	11/24/2021 17:09	<a href="#">WG1779849</a>
(S) Toluene-d8	101			75.0-131		11/24/2021 17:09	<a href="#">WG1779849</a>
(S) Toluene-d8	105			75.0-131		12/01/2021 13:57	<a href="#">WG1782178</a>
(S) 4-Bromofluorobenzene	104			67.0-138		11/24/2021 17:09	<a href="#">WG1779849</a>
(S) 4-Bromofluorobenzene	101			67.0-138		12/01/2021 13:57	<a href="#">WG1782178</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/24/2021 17:09	<a href="#">WG1779849</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		12/01/2021 13:57	<a href="#">WG1782178</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	546000		8450	20000	1	11/30/2021 03:14	<a href="#">WG1780752</a>

Sample Narrative:

L1434882-01 WG1780752: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15400		102	1000	1	11/27/2021 07:14	<a href="#">WG1780459</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3800		281	1000	10	12/23/2021 13:21	<a href="#">WG1792957</a>
Manganese	1210		7.04	50.0	10	12/23/2021 13:21	<a href="#">WG1792957</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	29900		2.87	6.78	10	12/02/2021 10:01	<a href="#">WG1782924</a>
Ethane	17.4		0.296	1.29	1	12/01/2021 14:02	<a href="#">WG1782430</a>
Ethene	661		0.422	1.27	1	12/01/2021 14:02	<a href="#">WG1782430</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		548	1000	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Acrylonitrile	U	<del>JS J4</del>	76.0	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Benzene	U		16.0	40.0	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Bromobenzene	U		42.0	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Bromodichloromethane	U		31.5	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Bromoform	U		239	1000	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Bromomethane	U		148	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
n-Butylbenzene	U		153	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
sec-Butylbenzene	U		101	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
tert-Butylbenzene	U		62.0	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Carbon tetrachloride	U		43.2	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Chlorobenzene	U		22.9	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Chlorodibromomethane	U		18.0	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Chloroethane	U		43.2	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Chloroform	U		16.6	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Chloromethane	U		55.6	500	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
2-Chlorotoluene	U		36.8	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
4-Chlorotoluene	U		45.2	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,2-Dibromo-3-Chloropropane	U		204	1000	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,2-Dibromoethane	U		21.0	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Dibromomethane	U		40.0	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,2-Dichlorobenzene	U		58.0	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,3-Dichlorobenzene	U		68.0	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,4-Dichlorobenzene	U		78.8	200	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
Dichlorodifluoromethane	U		32.7	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,1-Dichloroethane	U		23.0	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,2-Dichloroethane	U		19.0	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>
1,1-Dichloroethene	U		20.0	100	1000	12/01/2021 21:48	<a href="#">WG1780705</a>

JC 1/25/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	5440		27.6	100	1000	12/01/2021 21:48	WG1780705
trans-1,2-Dichloroethene	236		57.2	200	1000	12/01/2021 21:48	WG1780705
1,2-Dichloropropane	U		50.8	200	1000	12/01/2021 21:48	WG1780705
1,1-Dichloropropene	U		28.0	100	1000	12/01/2021 21:48	WG1780705
1,3-Dichloropropane	U		70.0	200	1000	12/01/2021 21:48	WG1780705
cis-1,3-Dichloropropene	U		27.1	100	1000	12/01/2021 21:48	WG1780705
trans-1,3-Dichloropropene	U		61.2	200	1000	12/01/2021 21:48	WG1780705
2,2-Dichloropropane	U		31.7	100	1000	12/01/2021 21:48	WG1780705
Di-isopropyl ether	U		14.0	40.0	1000	12/01/2021 21:48	WG1780705
Ethylbenzene	U		21.2	100	1000	12/01/2021 21:48	WG1780705
Hexachloro-1,3-butadiene	U	UJ C3	508	1000	1000	12/01/2021 21:48	WG1780705
Isopropylbenzene	U		34.5	100	1000	12/01/2021 21:48	WG1780705
p-Isopropyltoluene	U		93.2	200	1000	12/01/2021 21:48	WG1780705
2-Butanone (MEK)	U		500	1000	1000	12/01/2021 21:48	WG1780705
Methylene Chloride	U		265	1000	1000	12/01/2021 21:48	WG1780705
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	12/01/2021 21:48	WG1780705
Methyl tert-butyl ether	U		11.8	40.0	1000	12/01/2021 21:48	WG1780705
Naphthalene	U	UJ C3	124	500	1000	12/01/2021 21:48	WG1780705
n-Propylbenzene	U		47.2	200	1000	12/01/2021 21:48	WG1780705
Styrene	U		109	500	1000	12/01/2021 21:48	WG1780705
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	12/01/2021 21:48	WG1780705
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	12/01/2021 21:48	WG1780705
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	12/01/2021 21:48	WG1780705
Tetrachloroethene	U		28.0	100	1000	12/01/2021 21:48	WG1780705
Toluene	U		50.0	200	1000	12/01/2021 21:48	WG1780705
1,2,3-Trichlorobenzene	U	UJ C4	25.0	500	1000	12/01/2021 21:48	WG1780705
1,2,4-Trichlorobenzene	U	UJ C4	193	500	1000	12/01/2021 21:48	WG1780705
1,1,1-Trichloroethane	U		11.0	100	1000	12/01/2021 21:48	WG1780705
1,1,2-Trichloroethane	U		35.3	100	1000	12/01/2021 21:48	WG1780705
Trichloroethene	U		16.0	40.0	1000	12/01/2021 21:48	WG1780705
Trichlorofluoromethane	U		20.0	100	1000	12/01/2021 21:48	WG1780705
1,2,3-Trichloropropane	U		204	500	1000	12/01/2021 21:48	WG1780705
1,2,4-Trimethylbenzene	U		46.4	200	1000	12/01/2021 21:48	WG1780705
1,2,3-Trimethylbenzene	U		46.0	200	1000	12/01/2021 21:48	WG1780705
1,3,5-Trimethylbenzene	U		43.2	200	1000	12/01/2021 21:48	WG1780705
Vinyl chloride	13400		27.3	100	1000	12/01/2021 21:48	WG1780705
Xylenes, Total	U		191	260	1000	12/01/2021 21:48	WG1780705
Ethyl Ether	U		17.0	100	1000	12/01/2021 21:48	WG1780705
Tetrahydrofuran	U	U4	90.0	500	1000	12/01/2021 21:48	WG1780705
Iodomethane	U		242	500	1000	12/01/2021 21:48	WG1780705
Allyl chloride	U		580	1000	1000	12/01/2021 21:48	WG1780705
Trans-1,4-Dichloro-2-butene	U		56.0	200	1000	12/01/2021 21:48	WG1780705
(S) Toluene-d8	105			75.0-131		12/01/2021 21:48	WG1780705
(S) 4-Bromofluorobenzene	106			67.0-138		12/01/2021 21:48	WG1780705
(S) 1,2-Dichloroethane-d4	112			70.0-130		12/01/2021 21:48	WG1780705

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	308000		8450	20000	1	11/30/2021 03:19	<a href="#">WG1780752</a>

Sample Narrative:

L1434882-02 WG1780752: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6920		102	1000	1	11/27/2021 07:30	<a href="#">WG1780459</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3980		281	1000	10	12/23/2021 13:24	<a href="#">WG1792957</a>
Manganese	515		7.04	50.0	10	12/23/2021 13:24	<a href="#">WG1792957</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	863		0.287	0.678	1	12/01/2021 14:06	<a href="#">WG1782430</a>
Ethane	10.8		0.296	1.29	1	12/01/2021 14:06	<a href="#">WG1782430</a>
Ethene	126		0.422	1.27	1	12/01/2021 14:06	<a href="#">WG1782430</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Acrylonitrile	U	<del>JS J4</del>	7.60	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Benzene	U		1.60	4.00	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Bromobenzene	U		4.20	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Bromodichloromethane	U		3.15	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Bromoform	U		23.9	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Bromomethane	U		14.8	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
n-Butylbenzene	U		15.3	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
sec-Butylbenzene	U		10.1	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
tert-Butylbenzene	U		6.20	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Carbon tetrachloride	U		4.32	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Chlorobenzene	U		2.29	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Chlorodibromomethane	U		1.80	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Chloroethane	U		4.32	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Chloroform	U		1.66	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Chloromethane	U		5.56	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
2-Chlorotoluene	U		3.68	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
4-Chlorotoluene	U		4.52	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2-Dibromoethane	U		2.10	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Dibromomethane	U		4.00	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2-Dichlorobenzene	U		5.80	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,3-Dichlorobenzene	U		6.80	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,4-Dichlorobenzene	U		7.88	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Dichlorodifluoromethane	U		3.27	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1-Dichloroethane	U		2.30	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2-Dichloroethane	U		1.90	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1-Dichloroethene	19.0		2.00	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>

JC 1/25/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	2290		2.76	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
trans-1,2-Dichloroethene	U		5.72	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2-Dichloropropane	U		5.08	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1-Dichloropropene	U		2.80	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,3-Dichloropropane	U		7.00	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
cis-1,3-Dichloropropene	U		2.71	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
trans-1,3-Dichloropropene	U		6.12	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
2,2-Dichloropropane	U		3.17	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Di-isopropyl ether	U		1.40	4.00	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Ethylbenzene	U		2.12	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Hexachloro-1,3-butadiene	U	UJ C3	50.8	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Isopropylbenzene	U		3.45	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
p-Isopropyltoluene	U		9.32	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
2-Butanone (MEK)	U		50.0	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Methylene Chloride	U		26.5	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Methyl tert-butyl ether	U		1.18	4.00	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Naphthalene	U	UJ C3	12.4	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
n-Propylbenzene	U		4.72	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Styrene	U		10.9	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Tetrachloroethene	U		2.80	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Toluene	U		5.00	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1,1-Trichloroethane	U		1.10	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,1,2-Trichloroethane	U		3.53	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Trichloroethene	U		1.60	4.00	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Trichlorofluoromethane	U		2.00	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Vinyl chloride	1230		2.73	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Xylenes, Total	U		19.1	26.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Ethyl Ether	U		1.70	10.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Tetrahydrofuran	U	J4	9.00	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Iodomethane	U		24.2	50.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Allyl chloride	U		58.0	100	100	12/01/2021 22:07	<a href="#">WG1780705</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	12/01/2021 22:07	<a href="#">WG1780705</a>
(S) Toluene-d8	104			75.0-131		12/01/2021 22:07	<a href="#">WG1780705</a>
(S) 4-Bromofluorobenzene	104			67.0-138		12/01/2021 22:07	<a href="#">WG1780705</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		12/01/2021 22:07	<a href="#">WG1780705</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	249000		8450	20000	1	11/30/2021 03:24	<a href="#">WG1780752</a>

Sample Narrative:

L1434882-03 WG1780752: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6700		102	1000	1	11/27/2021 07:46	<a href="#">WG1780459</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	534	J	281	1000	10	12/23/2021 13:28	<a href="#">WG1792957</a>
Manganese	1580		7.04	50.0	10	12/23/2021 13:28	<a href="#">WG1792957</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2570		0.287	0.678	1	12/01/2021 14:14	<a href="#">WG1782430</a>
Ethane	U		0.296	1.29	1	12/01/2021 14:14	<a href="#">WG1782430</a>
Ethene	U		0.422	1.27	1	12/01/2021 14:14	<a href="#">WG1782430</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		27.4	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Acrylonitrile	U	J3 J4	3.80	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Benzene	U		0.800	2.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Bromobenzene	U		2.10	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Bromodichloromethane	U		1.58	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Bromoform	U		12.0	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Bromomethane	U		7.40	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
n-Butylbenzene	U		7.65	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
sec-Butylbenzene	U		5.05	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
tert-Butylbenzene	U		3.10	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Carbon tetrachloride	U		2.16	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Chlorobenzene	U		1.15	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Chlorodibromomethane	U		0.900	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Chloroethane	U		2.16	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Chloroform	U		0.830	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Chloromethane	U		2.78	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
2-Chlorotoluene	U		1.84	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
4-Chlorotoluene	U		2.26	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2-Dibromoethane	U		1.05	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Dibromomethane	U		2.00	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Dichlorodifluoromethane	U		1.64	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1-Dichloroethane	U		1.15	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2-Dichloroethane	U		0.950	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1-Dichloroethene	31.7		1.00	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>

JC 1/25/22



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	798		1.38	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
trans-1,2-Dichloroethene	28.2		2.86	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2-Dichloropropane	U		2.54	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1-Dichloropropene	U		1.40	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,3-Dichloropropane	U		3.50	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
2,2-Dichloropropane	U		1.59	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Di-isopropyl ether	U		0.700	2.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Ethylbenzene	U		1.06	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Hexachloro-1,3-butadiene	U	UJ C3	25.4	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Isopropylbenzene	U		1.73	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
p-Isopropyltoluene	U		4.66	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
2-Butanone (MEK)	U		25.0	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Methylene Chloride	U		13.3	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Methyl tert-butyl ether	U		0.590	2.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Naphthalene	U	UJ C3	6.20	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
n-Propylbenzene	U		2.36	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Styrene	U		5.45	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Tetrachloroethene	1310		1.40	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Toluene	U		2.50	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2,4-Trichlorobenzene	U	UJ C4	9.65	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,1,2-Trichloroethane	U		1.77	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Trichloroethene	1290		0.800	2.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Trichlorofluoromethane	U		1.00	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Vinyl chloride	15.2		1.36	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Xylenes, Total	U		9.55	13.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Ethyl Ether	U		0.850	5.00	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Tetrahydrofuran	U	J4	4.50	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Iodomethane	U		12.1	25.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Allyl chloride	U		29.0	50.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	12/01/2021 22:26	<a href="#">WG1780705</a>
(S) Toluene-d8	104			75.0-131		12/01/2021 22:26	<a href="#">WG1780705</a>
(S) 4-Bromofluorobenzene	99.4			67.0-138		12/01/2021 22:26	<a href="#">WG1780705</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/01/2021 22:26	<a href="#">WG1780705</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	553000		8450	20000	1	11/30/2021 03:18	<a href="#">WG1780753</a>

Sample Narrative:

L1434882-04 WG1780753: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	19700		102	1000	1	11/27/2021 08:12	<a href="#">WG1780459</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4250		281	1000	10	12/23/2021 13:31	<a href="#">WG1792957</a>
Manganese	1120		7.04	50.0	10	12/23/2021 13:31	<a href="#">WG1792957</a>

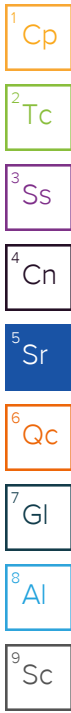
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20900		2.87	6.78	10	12/02/2021 10:05	<a href="#">WG1782924</a>
Ethane	46.8		0.296	1.29	1	12/01/2021 14:18	<a href="#">WG1782430</a>
Ethene	27.8		0.422	1.27	1	12/01/2021 14:18	<a href="#">WG1782430</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	12/03/2021 02:20	<a href="#">WG1782800</a>
Acrylonitrile	U	JJ J4	0.0760	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Benzene	0.0750		0.0160	0.0400	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Bromobenzene	U		0.0420	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Bromodichloromethane	U		0.0315	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Bromoform	U		0.239	1.00	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Bromomethane	U		0.148	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
n-Butylbenzene	U		0.153	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
sec-Butylbenzene	U		0.101	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Chlorobenzene	U		0.0229	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Chloroethane	U		0.0432	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Chloroform	U		0.0166	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Chloromethane	U		0.0556	0.500	1	12/01/2021 23:22	<a href="#">WG1782588</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Dibromomethane	U		0.0400	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/01/2021 23:22	<a href="#">WG1782588</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/01/2021 23:22	<a href="#">WG1782588</a>

JC 1/25/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.127		0.0276	0.100	1	12/01/2021 23:22	WG1782588
trans-1,2-Dichloroethene	0.657		0.0572	0.200	1	12/01/2021 23:22	WG1782588
1,2-Dichloropropane	U		0.0508	0.200	1	12/01/2021 23:22	WG1782588
1,1-Dichloropropene	U		0.0280	0.100	1	12/01/2021 23:22	WG1782588
1,3-Dichloropropane	U		0.0700	0.200	1	12/01/2021 23:22	WG1782588
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/01/2021 23:22	WG1782588
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/01/2021 23:22	WG1782588
2,2-Dichloropropane	U		0.0317	0.100	1	12/01/2021 23:22	WG1782588
Di-isopropyl ether	U		0.0140	0.0400	1	12/01/2021 23:22	WG1782588
Ethylbenzene	U		0.0212	0.100	1	12/01/2021 23:22	WG1782588
Hexachloro-1,3-butadiene	U	UJ C3 J3 J4	0.508	1.00	1	12/01/2021 23:22	WG1782588
Isopropylbenzene	U		0.0345	0.100	1	12/01/2021 23:22	WG1782588
p-Isopropyltoluene	U		0.0932	0.200	1	12/01/2021 23:22	WG1782588
2-Butanone (MEK)	U	J3	0.500	1.00	1	12/01/2021 23:22	WG1782588
Methylene Chloride	U		0.265	1.00	1	12/01/2021 23:22	WG1782588
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/01/2021 23:22	WG1782588
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/01/2021 23:22	WG1782588
Naphthalene	U	UJ C3 J3	0.124	0.500	1	12/01/2021 23:22	WG1782588
n-Propylbenzene	U	J3	0.0472	0.200	1	12/01/2021 23:22	WG1782588
Styrene	U		0.109	0.500	1	12/01/2021 23:22	WG1782588
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/01/2021 23:22	WG1782588
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/01/2021 23:22	WG1782588
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/01/2021 23:22	WG1782588
Tetrachloroethene	U		0.0280	0.100	1	12/01/2021 23:22	WG1782588
Toluene	U		0.0500	0.200	1	12/01/2021 23:22	WG1782588
1,2,3-Trichlorobenzene	U	UJ C4 J3	0.0250	0.500	1	12/01/2021 23:22	WG1782588
1,2,4-Trichlorobenzene	U	UJ C4 J3	0.193	0.500	1	12/01/2021 23:22	WG1782588
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/01/2021 23:22	WG1782588
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/01/2021 23:22	WG1782588
Trichloroethene	0.0610		0.0160	0.0400	1	12/01/2021 23:22	WG1782588
Trichlorofluoromethane	U		0.0200	0.100	1	12/01/2021 23:22	WG1782588
1,2,3-Trichloropropane	U		0.204	0.500	1	12/01/2021 23:22	WG1782588
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/01/2021 23:22	WG1782588
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/01/2021 23:22	WG1782588
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/01/2021 23:22	WG1782588
Vinyl chloride	1.89		0.0273	0.100	1	12/01/2021 23:22	WG1782588
Xylenes, Total	U		0.191	0.260	1	12/01/2021 23:22	WG1782588
Ethyl Ether	U		0.0170	0.100	1	12/01/2021 23:22	WG1782588
Tetrahydrofuran	U	J4	0.0900	0.500	1	12/01/2021 23:22	WG1782588
Iodomethane	U		0.242	0.500	1	12/01/2021 23:22	WG1782588
Allyl chloride	U		0.580	1.00	1	12/01/2021 23:22	WG1782588
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/01/2021 23:22	WG1782588
(S) Toluene-d8	105			75.0-131		12/01/2021 23:22	WG1782588
(S) Toluene-d8	108			75.0-131		12/03/2021 02:20	WG1782800
(S) 4-Bromofluorobenzene	105			67.0-138		12/01/2021 23:22	WG1782588
(S) 4-Bromofluorobenzene	90.3			67.0-138		12/03/2021 02:20	WG1782800
(S) 1,2-Dichloroethane-d4	114			70.0-130		12/01/2021 23:22	WG1782588
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/03/2021 02:20	WG1782800

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1190000		8450	20000	1	12/06/2021 04:12	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-01 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6380		102	1000	1	12/02/2021 14:14	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	18200		28.1	100	1	12/28/2021 19:03	<a href="#">WG1795422</a>
Manganese	3540		0.704	5.00	1	12/28/2021 19:03	<a href="#">WG1795422</a>

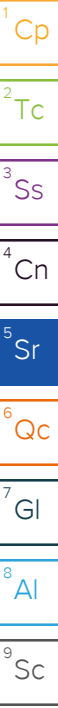
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	31300		2.87	6.78	10	12/06/2021 13:49	<a href="#">WG1784519</a>
Ethane	U		0.296	1.29	1	12/05/2021 12:23	<a href="#">WG1784091</a>
Ethene	U		0.422	1.27	1	12/05/2021 12:23	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.61	U	0.548	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Bromobenzene	U		0.0420	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
sec-Butylbenzene	U		0.101	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Chloroethane	U	UJ	0.0432	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>

JC 1/25/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.340		0.0276	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Methylene Chloride	U		0.265	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Toluene	0.912		0.0500	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Trichloroethene	0.132		0.0160	0.0400	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,2,3-Trimethylbenzene	U	<del>J3 J4</del>	0.0460	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
1,3,5-Trimethylbenzene	U	<del>J3 J4</del>	0.0432	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Vinyl chloride	1.46	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Xylenes, Total	0.406		0.191	0.260	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Tetrahydrofuran	17.3		0.0900	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Iodomethane	U		0.242	0.500	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Allyl chloride	U		0.580	1.00	1	12/03/2021 03:46	<a href="#">WG1783093</a>
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 03:46	<a href="#">WG1783093</a>
(S) Toluene-d8	104			75.0-131		12/03/2021 03:46	<a href="#">WG1783093</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		12/03/2021 03:46	<a href="#">WG1783093</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/03/2021 03:46	<a href="#">WG1783093</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	265000		8450	20000	1	12/06/2021 04:27	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-03 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1650	<del>B</del>	102	1000	1	12/02/2021 14:43	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4970		28.1	100	1	12/28/2021 19:10	<a href="#">WG1795422</a>
Manganese	404		0.704	5.00	1	12/28/2021 19:10	<a href="#">WG1795422</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1740		0.287	0.678	1	12/05/2021 12:34	<a href="#">WG1784091</a>
Ethane	U		0.296	1.29	1	12/05/2021 12:34	<a href="#">WG1784091</a>
Ethene	U		0.422	1.27	1	12/05/2021 12:34	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Bromobenzene	U	<del>UJ</del>	0.0420	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>UJ</del>	0.101	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>UJ</del>	0.0620	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 04:24	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>UJ</del>	0.0368	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>UJ</del>	0.0452	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>UJ</del>	0.204	1.00	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>UJ</del>	0.0580	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>UJ</del>	0.0680	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>UJ</del>	0.0788	0.200	1	12/03/2021 04:24	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 04:24	<a href="#">WG1783093</a>

JC 1/25/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/03/2021 04:24	WG1783093
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 04:24	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 04:24	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 04:24	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 04:24	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 04:24	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 04:24	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 04:24	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 04:24	WG1783093
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 04:24	WG1783093
Hexachloro-1,3-butadiene	U	<del>U3 J4</del>	0.508	1.00	1	12/03/2021 04:24	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 04:24	WG1783093
p-Isopropyltoluene	U	<del>U3</del>	0.0932	0.200	1	12/03/2021 04:24	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 04:24	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 04:24	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 04:24	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 04:24	WG1783093
Naphthalene	U	<del>U3</del>	0.124	0.500	1	12/03/2021 04:24	WG1783093
n-Propylbenzene	U	<del>U3</del>	0.0472	0.200	1	12/03/2021 04:24	WG1783093
Styrene	U	UJ <del>U3</del>	0.109	0.500	1	12/03/2021 04:24	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 04:24	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>U3</del>	0.0156	0.100	1	12/03/2021 04:24	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 04:24	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 04:24	WG1783093
Toluene	0.145	<del>U</del>	0.0500	0.200	1	12/03/2021 04:24	WG1783093
1,2,3-Trichlorobenzene	U	<del>U3 J4</del>	0.0250	0.500	1	12/03/2021 04:24	WG1783093
1,2,4-Trichlorobenzene	U	<del>U3 J4</del>	0.193	0.500	1	12/03/2021 04:24	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 04:24	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 04:24	WG1783093
Trichloroethene	U		0.0160	0.0400	1	12/03/2021 04:24	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 04:24	WG1783093
1,2,3-Trichloropropane	U	<del>U3</del>	0.204	0.500	1	12/03/2021 04:24	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 04:24	WG1783093
1,2,3-Trimethylbenzene	U	<del>U3</del>	0.0460	0.200	1	12/03/2021 04:24	WG1783093
1,3,5-Trimethylbenzene	U	<del>U3</del>	0.0432	0.200	1	12/03/2021 04:24	WG1783093
Vinyl chloride	U	UJ <del>U3</del>	0.0273	0.100	1	12/03/2021 04:24	WG1783093
Xylenes, Total	0.263		0.191	0.260	1	12/03/2021 04:24	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 04:24	WG1783093
Tetrahydrofuran	5.35		0.0900	0.500	1	12/03/2021 04:24	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 04:24	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 04:24	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>U3 J3</del>	0.0560	0.200	1	12/03/2021 04:24	WG1783093
(S) Toluene-d8	107			75.0-131		12/03/2021 04:24	WG1783093
(S) 4-Bromofluorobenzene	88.7			67.0-138		12/03/2021 04:24	WG1783093
(S) 1,2-Dichloroethane-d4	101			70.0-130		12/03/2021 04:24	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	833000		8450	20000	1	12/06/2021 04:31	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-04 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	16700		102	1000	1	12/02/2021 15:08	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8290		28.1	100	1	12/28/2021 19:13	<a href="#">WG1795422</a>
Manganese	4390		0.704	5.00	1	12/28/2021 19:13	<a href="#">WG1795422</a>

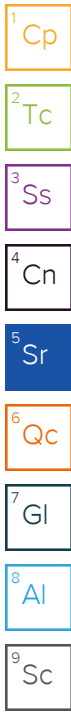
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9530		2.87	6.78	10	12/06/2021 13:55	<a href="#">WG1784519</a>
Ethane	30.1		0.296	1.29	1	12/05/2021 12:39	<a href="#">WG1784091</a>
Ethene	U		0.422	1.27	1	12/05/2021 12:39	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Benzene	0.256		0.0160	0.0400	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Bromobenzene	U	J3	0.0420	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
sec-Butylbenzene	U	13 13	0.101	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
tert-Butylbenzene	U	13 13	0.0620	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 04:43	<a href="#">WG1783093</a>
2-Chlorotoluene	U	13 13	0.0368	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
4-Chlorotoluene	U	13 13	0.0452	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	13 13	0.204	1.00	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	13 13	0.0580	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	13 13	0.0680	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	13 13	0.0788	0.200	1	12/03/2021 04:43	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 04:43	<a href="#">WG1783093</a>

JC 1/25/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7.94		0.0276	0.100	1	12/03/2021 04:43	WG1783093
trans-1,2-Dichloroethene	0.211		0.0572	0.200	1	12/03/2021 04:43	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 04:43	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 04:43	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 04:43	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 04:43	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 04:43	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 04:43	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 04:43	WG1783093
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 04:43	WG1783093
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 04:43	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 04:43	WG1783093
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 04:43	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 04:43	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 04:43	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 04:43	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 04:43	WG1783093
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 04:43	WG1783093
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 04:43	WG1783093
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 04:43	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 04:43	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 04:43	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 04:43	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 04:43	WG1783093
Toluene	U		0.0500	0.200	1	12/03/2021 04:43	WG1783093
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 04:43	WG1783093
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 04:43	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 04:43	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 04:43	WG1783093
Trichloroethene	0.0960		0.0160	0.0400	1	12/03/2021 04:43	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 04:43	WG1783093
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 04:43	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 04:43	WG1783093
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 04:43	WG1783093
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 04:43	WG1783093
Vinyl chloride	7.07	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 04:43	WG1783093
Xylenes, Total	U		0.191	0.260	1	12/03/2021 04:43	WG1783093
Ethyl Ether	0.184		0.0170	0.100	1	12/03/2021 04:43	WG1783093
Tetrahydrofuran	1.43		0.0900	0.500	1	12/03/2021 04:43	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 04:43	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 04:43	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 04:43	WG1783093
(S) Toluene-d8	106			75.0-131		12/03/2021 04:43	WG1783093
(S) 4-Bromofluorobenzene	90.2			67.0-138		12/03/2021 04:43	WG1783093
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/03/2021 04:43	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	154000		8450	20000	1	12/06/2021 04:35	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-05 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1160	<del>B</del>	102	1000	1	12/02/2021 16:03	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1660		28.1	100	1	12/28/2021 19:17	<a href="#">WG1795422</a>
Manganese	243		0.704	5.00	1	12/28/2021 19:17	<a href="#">WG1795422</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	301		0.287	0.678	1	12/05/2021 12:45	<a href="#">WG1784091</a>
Ethane	U		0.296	1.29	1	12/05/2021 12:45	<a href="#">WG1784091</a>
Ethene	U		0.422	1.27	1	12/05/2021 12:45	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.68	U	0.548	1.00	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Bromobenzene	U	<del>B</del>	0.0420	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>B</del>	0.101	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>B</del>	0.0620	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Chloroethane	U	UJ	0.0432	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 05:02	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>B</del>	0.0368	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>B</del>	0.0452	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>B</del>	0.204	1.00	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>B</del>	0.0580	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>B</del>	0.0680	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>B</del>	0.0788	0.200	1	12/03/2021 05:02	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 05:02	<a href="#">WG1783093</a>

JC 1/25/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/03/2021 05:02	WG1783093
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 05:02	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 05:02	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 05:02	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 05:02	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 05:02	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 05:02	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 05:02	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 05:02	WG1783093
Ethylbenzene	0.183		0.0212	0.100	1	12/03/2021 05:02	WG1783093
Hexachloro-1,3-butadiene	U	J3 J4	0.508	1.00	1	12/03/2021 05:02	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 05:02	WG1783093
p-Isopropyltoluene	U	J3	0.0932	0.200	1	12/03/2021 05:02	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 05:02	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 05:02	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 05:02	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 05:02	WG1783093
Naphthalene	U	J3	0.124	0.500	1	12/03/2021 05:02	WG1783093
n-Propylbenzene	U	J3	0.0472	0.200	1	12/03/2021 05:02	WG1783093
Styrene	U	UJ C3	0.109	0.500	1	12/03/2021 05:02	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 05:02	WG1783093
1,1,2,2-Tetrachloroethane	U	J3	0.0156	0.100	1	12/03/2021 05:02	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 05:02	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 05:02	WG1783093
Toluene	0.181	J	0.0500	0.200	1	12/03/2021 05:02	WG1783093
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	12/03/2021 05:02	WG1783093
1,2,4-Trichlorobenzene	U	J3 J4	0.193	0.500	1	12/03/2021 05:02	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 05:02	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 05:02	WG1783093
Trichloroethene	U		0.0160	0.0400	1	12/03/2021 05:02	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 05:02	WG1783093
1,2,3-Trichloropropane	U	J3	0.204	0.500	1	12/03/2021 05:02	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 05:02	WG1783093
1,2,3-Trimethylbenzene	U	J3	0.0460	0.200	1	12/03/2021 05:02	WG1783093
1,3,5-Trimethylbenzene	U	J3 J4	0.0432	0.200	1	12/03/2021 05:02	WG1783093
Vinyl chloride	U	UJ C3	0.0273	0.100	1	12/03/2021 05:02	WG1783093
Xylenes, Total	0.959		0.191	0.260	1	12/03/2021 05:02	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 05:02	WG1783093
Tetrahydrofuran	1.05		0.0900	0.500	1	12/03/2021 05:02	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 05:02	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 05:02	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	12/03/2021 05:02	WG1783093
(S) Toluene-d8	105			75.0-131		12/03/2021 05:02	WG1783093
(S) 4-Bromofluorobenzene	88.9			67.0-138		12/03/2021 05:02	WG1783093
(S) 1,2-Dichloroethane-d4	101			70.0-130		12/03/2021 05:02	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	190000		8450	20000	1	12/06/2021 04:40	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-06 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4020		102	1000	1	12/02/2021 17:04	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1960		28.1	100	1	12/28/2021 19:20	<a href="#">WG1795422</a>
Manganese	860		0.704	5.00	1	12/28/2021 19:20	<a href="#">WG1795422</a>

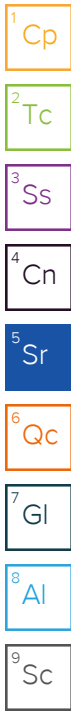
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2710		0.287	0.678	1	12/05/2021 12:48	<a href="#">WG1784091</a>
Ethane	U		0.296	1.29	1	12/05/2021 12:48	<a href="#">WG1784091</a>
Ethene	44.6		0.422	1.27	1	12/05/2021 12:48	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Bromobenzene	U	J3	0.0420	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
sec-Butylbenzene	U	J3	0.101	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
tert-Butylbenzene	U	J3	0.0620	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Chloroethane	0.181	J C3 J	0.0432	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 05:21	<a href="#">WG1783093</a>
2-Chlorotoluene	U	J3	0.0368	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
4-Chlorotoluene	U	J3	0.0452	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	J3	0.0580	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	J3	0.0680	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	J3	0.0788	0.200	1	12/03/2021 05:21	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 05:21	<a href="#">WG1783093</a>

JC 1/25/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	19.3		0.0276	0.100	1	12/03/2021 05:21	WG1783093
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 05:21	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 05:21	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 05:21	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 05:21	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 05:21	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 05:21	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 05:21	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 05:21	WG1783093
Ethylbenzene	0.156		0.0212	0.100	1	12/03/2021 05:21	WG1783093
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 05:21	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 05:21	WG1783093
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 05:21	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 05:21	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 05:21	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 05:21	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 05:21	WG1783093
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 05:21	WG1783093
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 05:21	WG1783093
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 05:21	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 05:21	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 05:21	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 05:21	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 05:21	WG1783093
Toluene	0.131	<del>J</del>	0.0500	0.200	1	12/03/2021 05:21	WG1783093
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 05:21	WG1783093
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 05:21	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 05:21	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 05:21	WG1783093
Trichloroethene	U		0.0160	0.0400	1	12/03/2021 05:21	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 05:21	WG1783093
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 05:21	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 05:21	WG1783093
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 05:21	WG1783093
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 05:21	WG1783093
Vinyl chloride	56.1	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 05:21	WG1783093
Xylenes, Total	0.859		0.191	0.260	1	12/03/2021 05:21	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 05:21	WG1783093
Tetrahydrofuran	1.38		0.0900	0.500	1	12/03/2021 05:21	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 05:21	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 05:21	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 05:21	WG1783093
(S) Toluene-d8	109			75.0-131		12/03/2021 05:21	WG1783093
(S) 4-Bromofluorobenzene	92.4			67.0-138		12/03/2021 05:21	WG1783093
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/03/2021 05:21	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	317000		8450	20000	1	12/06/2021 04:44	<a href="#">WG1782795</a>

Sample Narrative:

L1436783-07 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10800		102	1000	1	12/02/2021 17:23	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5840		28.1	100	1	12/28/2021 19:23	<a href="#">WG1795422</a>
Manganese	2020		0.704	5.00	1	12/28/2021 19:23	<a href="#">WG1795422</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14300		2.87	6.78	10	12/06/2021 13:59	<a href="#">WG1784519</a>
Ethane	42.2		0.296	1.29	1	12/05/2021 12:57	<a href="#">WG1784091</a>
Ethene	174		0.422	1.27	1	12/05/2021 12:57	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.53	U <del>C3</del>	0.548	1.00	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Bromobenzene	U	<del>J3</del>	0.0420	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>J3</del>	0.101	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>J3</del>	0.0620	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Chloroethane	3.58	J- <del>C3</del>	0.0432	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 05:40	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>J3</del>	0.0368	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>J3</del>	0.0452	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>J3</del>	0.0580	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>J3</del>	0.0680	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>J3</del>	0.0788	0.200	1	12/03/2021 05:40	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 05:40	<a href="#">WG1783093</a>

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1 Cp  
2 Tc  
3 Ss  
4 Cn  
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7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	4.88		0.0276	0.100	1	12/03/2021 05:40	WG1783093
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 05:40	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 05:40	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 05:40	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 05:40	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 05:40	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 05:40	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 05:40	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 05:40	WG1783093
Ethylbenzene	0.0810	U	0.0212	0.100	1	12/03/2021 05:40	WG1783093
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 05:40	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 05:40	WG1783093
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 05:40	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 05:40	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 05:40	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 05:40	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 05:40	WG1783093
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 05:40	WG1783093
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 05:40	WG1783093
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 05:40	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 05:40	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 05:40	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 05:40	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 05:40	WG1783093
Toluene	U		0.0500	0.200	1	12/03/2021 05:40	WG1783093
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 05:40	WG1783093
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 05:40	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 05:40	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 05:40	WG1783093
Trichloroethene	U		0.0160	0.0400	1	12/03/2021 05:40	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 05:40	WG1783093
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 05:40	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 05:40	WG1783093
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 05:40	WG1783093
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 05:40	WG1783093
Vinyl chloride	29.1	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 05:40	WG1783093
Xylenes, Total	0.318		0.191	0.260	1	12/03/2021 05:40	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 05:40	WG1783093
Tetrahydrofuran	0.729		0.0900	0.500	1	12/03/2021 05:40	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 05:40	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 05:40	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 05:40	WG1783093
(S) Toluene-d8	104			75.0-131		12/03/2021 05:40	WG1783093
(S) 4-Bromofluorobenzene	92.3			67.0-138		12/03/2021 05:40	WG1783093
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/03/2021 05:40	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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## MEMORANDUM

**TO:** Project File **DATE:** February 4, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 443017-1413001.05.601 and 443017-1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 4th Quarter Monitoring 2021 – Groundwater Samples – Group 6

**LAB:** Pace Sample Delivery Groups (SDGs): L1436799, L1437979, L1438005, L1439079, L1439098, and L1441174

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Thirty-three groundwater samples (including two field duplicates), one equipment blank, and three trip blanks were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, Seattle, Washington on November 29, December 2-3, and 6-8, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Alkalinity by Method 2320 B-2011

The fourth quarter of RI sampling was conducted between November – December 2021. Analytical results are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Analytical results (anions) are also reported in multiple Work Orders from Fremont (includes Work Orders provided by subcontractor Analytical Resources, Inc). Group 6 analytical results are reported in SDGs L1436799, L1437979, L1438005, L1439079, L1439098, and L1441174. The quality assurance review of the laboratory data associated with Group 6 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria

outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussion:

- SDG L1438005 – Two trip blanks (TB-120221 and TB-120221-2), one container per sample, are listed on the chain of custody. No action is taken other than to note that the laboratory analyzed the trip blank identified as TB-120221.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Alkalinity and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days) and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+) unless qualified as not detected (U) due to blank contamination.**

### **Method Blank Results**

*USEPA Method 8260D*:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following discussions or exceptions:

- SDG L1437979 - Analytical batch WG1785650: A low level of acetone is detected at 0.989 µg/L and below the RDL (1.00 µg/L) in the method blank. No action is needed since acetone is either non-detected or detected greater than the RDL in the associated samples.
- SDG L1438005 - Analytical batch WG1785650: A low level of acetone is detected at 0.989 µg/L and below the RDL (1.00 µg/L) in the method blank. No action taken on this

basis since acetone is either non-detected or detected greater than the RDL in the associated samples. Refer to Trip Blank Results section for additional details on acetone contamination.

- SDG L1439079 - Analytical batch WG1786189: A low level of acetone is detected at 1.51 µg/L and above the RDL (1.00 µg/L) in the method blank. Acetone contamination is somewhat prevalent in various method, equipment, and trip blanks throughout Group 6 thus an action level (2X blank contamination) was established. **Associated sample MW-314-120321, MW-305-120321, and MW-307-120321 acetone results are qualified (U) as not detected.** No actions are required for the remaining samples since results are either not detected or are detected above the action level.
- SDG L1441174 - Analytical batch WG1787937: A low level of tetrachloroethene is detected at 0.0900 µg/L and below the RDL (0.100 µg/L) in the method blank. No action is needed since tetrachloroethene is not detected in the associated sample.

*NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank with the following exceptions:

- SDG L1438005: - Analytical batch WG1784557: A low level of gasoline is detected at 35.8 µg/L and above the RDL (100 µg/L) in the method blank. No action is needed for associated sample since gasoline is not detected.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections were reviewed, and detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1436799	WG1783060	9060A	TOC	241	J	1000	µg/L	NO
L1437979	WG1784749	9060A	TOC	421	J	1000	µg/L	NO
L1438005	WG1796972	6020B	Manganese	0.749	J	5.00	µg/L	NO
L1438005	WG1797477	6020B	Manganese	0.877	J	5.00	µg/L	NO
L1438005	WG1784749	9060A	TOC	421	J	1000	µg/L	NO
L1439079	WG1785882	9060A	TOC	241	J	1000	µg/L	NO
L1439098	WG1785882	9060A	TOC	241	J	1000	µg/L	NO
L1441174	WG1791685	9060A	TOC	434	J	1000	µg/L	YES

Target analytes were detected in method blanks at low levels with no impact to the associated samples with the following exception:

- SDG L1441174: Sample MW106-120621 TOC detection is 970 µg/L and below the RDL (1000 µg/L). TOC is also detected in the equipment blank at 274 µg/L. **Sample MW106-120621 TOC result is qualified as not detected (U) due to both method and equipment blank TOC contamination.**

### **Trip Blank Results**

*USEPA Method 8260D and NWTPH-Gx:*

Three trip blanks (TB-120221, TB-120621, and TB-120821) were collected and analyzed for VOCs and/or gasoline. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1438005: A low level of acetone and toluene are detected in the associated trip blank sample (TB-120221). Actions are as follows:
  - Acetone, a common laboratory contaminant, was detected in two method blanks (0.989 µg/L and 1.51 µg/L) and in the trip blank at 1.95 µg/L (RDL is 1.00 µg/L). Acetone contamination is somewhat prevalent in various method, equipment, and trip blanks throughout Group 6 thus an action level (2X blank contamination) was established. **Associated sample MW-175-120221, MW-176-120221 and MW-301-120221 acetone results are qualified (U) as not detected. No actions are required for the remaining samples since results are either not detected or are detected above the action level.**
  - Toluene is detected below the RDL in samples MW-175-120221 and MW-173-120221. **Toluene results for samples MW-175-120221 and MW-173-120221 are qualified as not detected (U) due to trip blank contamination.**
- SDG L1439098: An elevated acetone detection and low levels of bromodichloromethane, chloroform, methylene chloride, and methyl tert-butyl ether are detected in the associated trip blank sample (TB-120621). No action is required for bromodichloromethane, chloroform, methylene chloride, and methyl tert-butyl ether as these compounds are not detected in the associated samples. Actions for acetone are as follows:
  - Acetone was detected above the RDL in the method blank at 1.51 µg/L and in the trip blank at 10.2 µg/L (RDL is 1.00 µg/L). **Acetone result for MW-180-120321 is qualified as not detected (U) due to trip blank contamination.** No action is needed for the remaining samples since acetone is not detected.

### **Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

One equipment blank (EQ-120821 associated with SDG L1441174) was collected. Details are as follows:

The equipment blank (EQ-112921) is associated with all samples collected from the bladder pump on December 8, 2021. Specifically, the equipment blank is associated with samples MW106-120621, MW-153-120721, MW-148-120721, MW-963-120821, MW-158A-120821, and MW-143-120821. Low levels of TOC and manganese are detected in the equipment blank. No action is taken for manganese since associated sample results are greater than the RDL. Low levels of VOCs (acetone, toluene, and 1,2,4-trimethylbenzene) are detected in the equipment blank. No action is taken for 1,2,4-trimethylbenzene as all associated groundwater results for these compounds are non-detects. Actions are as follows:

- Acetone is detected above the RDL in the equipment blank at 1.51 µg/L (RDL is 1.00 µg/L). Acetone contamination is somewhat prevalent in various blanks and trip blanks throughout Group 6 thus an action level (2X blank contamination) was established. **Associated sample MW-143-120821 acetone result is qualified (U) as not detected.** No actions are required for the remaining samples since results are either not detected or are detected above the action level.
- Toluene is detected below the RDL in samples MW-153-120721, MW-148-120721, MW-963-120821, and MW-158A-120821. **Associated toluene results are qualified as not detected (U) due to blank contamination.**
- TOC is detected in sample MW106-120621 at 970 µg/L and below the RDL (1000 µg/L). TOC is also detected in the equipment blank at 274 µg/L. **Sample MW106-120621 TOC result is qualified as not detected (U) due to both method and equipment blank TOC contamination.**

### **Field Duplicate Analyses**

Two field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDGs L1439098 & L1439079: Sample MW-314-120321 (SDG L1439079-01) and field duplicate sample MW-962-120321 (SDG L1439098-01)
- SDG L1441174: Sample MW-158A-120821 and field duplicate sample MW-963-120821

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pairs with the following exceptions:

- SDGs L1439098 & L1439079: Sample MW-314-120321 and field duplicate sample MW-962-120321 iron, ethane, and ethene results are not comparable and exceed RPD criteria. **Sample MW-314-120321 and field duplicate MW-962-120321 iron, ethane, and ethene results are estimated and qualified (J/UJ). No action is taken for total xylenes due to the difference in dilution factors (1X and 10X).**

### **Laboratory Duplicate Analyses**

*USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or in cases only an LCS is available refer to field duplicate results for precision data.

*NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. No precision data are provided. No action is taken other than to note this.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

*USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate or MS/MSD results for precision data.

*General Chemistry (Alkalinity and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

**Surrogate Recoveries**

*USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

*NWTPH-Gx Method:*

The surrogate recovery results for the sample, laboratory control sample, and the blank are within the laboratory surrogate control limits.

**Laboratory Control Samples**

*USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDG L1436799 - Analytical batch WG1783093: LCS/LCSD RPDs for multiple compounds exceed acceptance criteria and are laboratory qualified (J3). No action is taken in this case since the recoveries are within acceptance criteria but are recovered wide. LCSD recoveries for hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are outside of criteria and are laboratory qualified (J4) with the following discussion:

- LCS and/or LCSD % recoveries for hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are above laboratory acceptance criteria and are laboratory qualified (J4). No action is taken on this basis since these compounds are not detected in the associated samples.
- SDG L1436797 - Analytical batch WG1785650: LCS recoveries several compounds (acetone, acrylonitrile, tetrahydrofuran, and 1,1,2-trichloroethane) exceed acceptance criteria and are laboratory qualified (J4). No action is needed for acrylonitrile and 1,1,2-trichloroethane as these compounds are not detected in the associated samples. Actions are as follows:
  - **Acetone results for samples MW-168-120221, MW-167-120221, MW-165-120221, MW-166-120221, and MW-155-120221 are estimated and qualified (J+) due to high LCS recovery.**
  - **Tetrahydrofuran results for samples MW-168-120221, MW-167-120221, MW-165-120221, MW-166-120221, and MW-159-120221 are estimated and qualified (J+) due to high LCS recovery.**
- SDG L1438005 - Analytical batch WG1785650: LCS recoveries several compounds (acetone, acrylonitrile, tetrahydrofuran, and 1,1,2-trichloroethane) exceed acceptance criteria and are laboratory qualified (J4). No action is needed for acrylonitrile and 1,1,2-trichloroethane as these compounds are not detected in the associate samples. Actions are as follows:
  - **Acetone result for sample MW-174-120221 is estimated and qualified (J+) due to high LCS recovery.**
  - **Tetrahydrofuran results for samples MW-175-120221 and MW-173-120221 are estimated and qualified (J+) due to high LCS recovery.**
- SDG L1439079 - Analytical batch WG1786189: LCS recovery for acetone exceeds acceptance criteria and is laboratory qualified (J4). LCS/LCSD RPDs for acetone and 1,1,2-trichlorotrifluoroethane are above acceptance criteria and are laboratory qualified (J3). No action is taken for 1,1,2-trichlorotrifluoroethane since LCS/LCSD recoveries are within criteria but are recovered wide. Refer to Method Blank and Trip Blank sections on actions taken for acetone.
- SDG L1441174 - Analytical batch WG1787937: LCS/LCSD recoveries for 2,2-dichloropropane are above laboratory acceptance criteria and laboratory qualified (J4). No action is needed since is not detected in the associated sample. LCS/LCSD recoveries for 1,2,3-trichlorobenzene are below laboratory acceptance criteria and laboratory qualified (J4). **Associated sample MW106-120621 result for 1,2,3-trichlorobenzene is estimated and qualified (UJ) due to low LCS/LCSD recovery.**

*NWTPH-Gx Method:*



LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. No precision data are provided. No action is taken other than to note this.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses was performed on batch QC for SDG L1441174. For the remaining SDGs, LCS/LCSD analyses were analyzed in lieu MS/MSD analyses. In these cases, refer to LCS, LCS/LCSD, and field duplicate results for accuracy and precision data. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. No precision data are provided. No action is taken other than to note this. Refer to LCS results for accuracy data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client or non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1437979 – Analytical batch WG1785053: Matrix spike analyses for dissolved gases were performed on a non-client sample within the analytical batch. MS/MSD results are outside of criteria and laboratory qualified (J5) due to matrix interference. No action is taken since the spike was performed on a non-client sample. Refer to LCS/LCSD for accuracy and precision data.
- SDG L1441174 – Analytical batch WG1790995: Matrix spike analyses for dissolved gases were performed on a non-client sample within the analytical batch. MS/MSD results are outside of criteria and laboratory qualified (J5) due to matrix interference. No action is taken since the spike was performed on a non-client sample. Refer to LCS/LCSD for accuracy and precision data.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1436799: Matrix spike analyses for metals were performed on client sample MW-144R-112921. Manganese MSD recovery is outside of criteria and laboratory qualified (V). Per Guidance, no action is necessary because the sample amount is greater than 4X the spike amount.

*General Chemistry (Alkalinity and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS, field duplicate, or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD, and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	174000		8450	20000	1	12/06/2021 04:49	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-01 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2290	<del>B</del>	102	1000	1	12/02/2021 17:36	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4470		28.1	100	1	12/28/2021 19:42	<a href="#">WG1795422</a>
Manganese	582		0.704	5.00	1	12/28/2021 19:42	<a href="#">WG1795422</a>

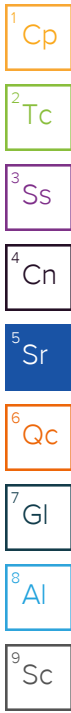
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	123		0.287	0.678	1	12/05/2021 13:01	<a href="#">WG1784091</a>
Ethane	U		0.296	1.29	1	12/05/2021 13:01	<a href="#">WG1784091</a>
Ethene	U		0.422	1.27	1	12/05/2021 13:01	<a href="#">WG1784091</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>UJ</del> C3	0.548	1.00	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Bromobenzene	U	<del>J3</del>	0.0420	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>J3</del>	0.101	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>J3</del>	0.0620	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Chloroethane	0.194	J C3 J	0.0432	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 05:59	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>J3</del>	0.0368	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>J3</del>	0.0452	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>J3</del>	0.0580	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>J3</del>	0.0680	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>J3</del>	0.0788	0.200	1	12/03/2021 05:59	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>
1,1-Dichloroethene	0.409		0.0200	0.100	1	12/03/2021 05:59	<a href="#">WG1783093</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	12.3		0.0276	0.100	1	12/03/2021 05:59	WG1783093
trans-1,2-Dichloroethene	0.495		0.0572	0.200	1	12/03/2021 05:59	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 05:59	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 05:59	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 05:59	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 05:59	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 05:59	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 05:59	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 05:59	WG1783093
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 05:59	WG1783093
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 05:59	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 05:59	WG1783093
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 05:59	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 05:59	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 05:59	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 05:59	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 05:59	WG1783093
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 05:59	WG1783093
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 05:59	WG1783093
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 05:59	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 05:59	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 05:59	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 05:59	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 05:59	WG1783093
Toluene	U		0.0500	0.200	1	12/03/2021 05:59	WG1783093
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 05:59	WG1783093
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 05:59	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 05:59	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 05:59	WG1783093
Trichloroethene	0.191		0.0160	0.0400	1	12/03/2021 05:59	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 05:59	WG1783093
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 05:59	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 05:59	WG1783093
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 05:59	WG1783093
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 05:59	WG1783093
Vinyl chloride	24.4	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 05:59	WG1783093
Xylenes, Total	0.404		0.191	0.260	1	12/03/2021 05:59	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 05:59	WG1783093
Tetrahydrofuran	6.42		0.0900	0.500	1	12/03/2021 05:59	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 05:59	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 05:59	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 05:59	WG1783093
(S) Toluene-d8	109			75.0-131		12/03/2021 05:59	WG1783093
(S) 4-Bromofluorobenzene	86.9			67.0-138		12/03/2021 05:59	WG1783093
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/03/2021 05:59	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	585000		8450	20000	1	12/06/2021 04:53	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-02 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9930		102	1000	1	12/02/2021 17:55	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8190		28.1	100	1	12/28/2021 19:46	<a href="#">WG1795422</a>
Manganese	1500		0.704	5.00	1	12/28/2021 19:46	<a href="#">WG1795422</a>

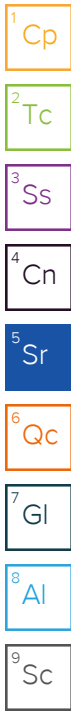
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	15700		2.87	6.78	10	12/06/2021 14:03	<a href="#">WG1784519</a>
Ethane	141		0.296	1.29	1	12/05/2021 15:00	<a href="#">WG1784333</a>
Ethene	U		0.422	1.27	1	12/05/2021 15:00	<a href="#">WG1784333</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.34	J- C3	0.548	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Benzene	0.0960		0.0160	0.0400	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Bromobenzene	U	J3	0.0420	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
sec-Butylbenzene	U	J3	0.101	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
tert-Butylbenzene	U	J3	0.0620	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
2-Chlorotoluene	U	J3	0.0368	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
4-Chlorotoluene	U	J3	0.0452	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	J3	0.0580	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	J3	0.0680	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	J3	0.0788	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>

JC 2/1/2022



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	9.43		0.0276	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
trans-1,2-Dichloroethene	4.38		0.0572	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
p-Isopropyltoluene	0.104	<del>J JS</del>	0.0932	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Methylene Chloride	U		0.265	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Toluene	3.10		0.0500	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Trichloroethene	0.224		0.0160	0.0400	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2,4-Trimethylbenzene	0.102	<del>J</del>	0.0464	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Vinyl chloride	1.41	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Xylenes, Total	0.374		0.191	0.260	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Tetrahydrofuran	3100		9.00	50.0	100	12/06/2021 19:20	<a href="#">WG1783768</a>
Iodomethane	U		0.242	0.500	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Allyl chloride	U		0.580	1.00	1	12/03/2021 06:18	<a href="#">WG1783093</a>
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 JS</del>	0.0560	0.200	1	12/03/2021 06:18	<a href="#">WG1783093</a>
(S) Toluene-d8	106			75.0-131		12/03/2021 06:18	<a href="#">WG1783093</a>
(S) Toluene-d8	116			75.0-131		12/06/2021 19:20	<a href="#">WG1783768</a>
(S) 4-Bromofluorobenzene	91.9			67.0-138		12/03/2021 06:18	<a href="#">WG1783093</a>
(S) 4-Bromofluorobenzene	104			67.0-138		12/06/2021 19:20	<a href="#">WG1783768</a>
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		12/03/2021 06:18	<a href="#">WG1783093</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/06/2021 19:20	<a href="#">WG1783768</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	218000		8450	20000	1	12/06/2021 04:57	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-03 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1620	<del>B</del>	102	1000	1	12/02/2021 18:09	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	872		28.1	100	1	12/28/2021 19:49	<a href="#">WG1795422</a>
Manganese	738		0.704	5.00	1	12/28/2021 19:49	<a href="#">WG1795422</a>

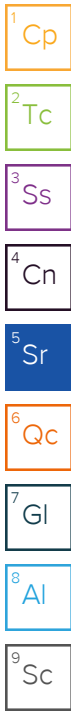
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	195		0.287	0.678	1	12/05/2021 15:04	<a href="#">WG1784333</a>
Ethane	U		0.296	1.29	1	12/05/2021 15:04	<a href="#">WG1784333</a>
Ethene	U		0.422	1.27	1	12/05/2021 15:04	<a href="#">WG1784333</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Bromobenzene	U	<del>J3</del>	0.0420	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>J3 J3</del>	0.101	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>J3 J3</del>	0.0620	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Chloroethane	0.396	J- C3	0.0432	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 06:38	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>J3 J3</del>	0.0368	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>J3 J3</del>	0.0452	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3 J3</del>	0.204	1.00	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>J3 J3</del>	0.0580	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>J3 J3</del>	0.0680	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>J3 J3</del>	0.0788	0.200	1	12/03/2021 06:38	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>
1,1-Dichloroethene	2.13		0.0200	0.100	1	12/03/2021 06:38	<a href="#">WG1783093</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	46.5		0.0276	0.100	1	12/03/2021 06:38	WG1783093
trans-1,2-Dichloroethene	0.785		0.0572	0.200	1	12/03/2021 06:38	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 06:38	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 06:38	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 06:38	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 06:38	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 06:38	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 06:38	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 06:38	WG1783093
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 06:38	WG1783093
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 06:38	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 06:38	WG1783093
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 06:38	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 06:38	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 06:38	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 06:38	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 06:38	WG1783093
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 06:38	WG1783093
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 06:38	WG1783093
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 06:38	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 06:38	WG1783093
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 06:38	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 06:38	WG1783093
Tetrachloroethene	1.59		0.0280	0.100	1	12/03/2021 06:38	WG1783093
Toluene	U		0.0500	0.200	1	12/03/2021 06:38	WG1783093
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 06:38	WG1783093
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 06:38	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 06:38	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 06:38	WG1783093
Trichloroethene	19.4		0.0160	0.0400	1	12/03/2021 06:38	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 06:38	WG1783093
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 06:38	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 06:38	WG1783093
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 06:38	WG1783093
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 06:38	WG1783093
Vinyl chloride	2.46	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 06:38	WG1783093
Xylenes, Total	U		0.191	0.260	1	12/03/2021 06:38	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 06:38	WG1783093
Tetrahydrofuran	U		0.0900	0.500	1	12/06/2021 18:59	WG1783768
Iodomethane	U		0.242	0.500	1	12/03/2021 06:38	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 06:38	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 06:38	WG1783093
(S) Toluene-d8	111			75.0-131		12/03/2021 06:38	WG1783093
(S) Toluene-d8	114			75.0-131		12/06/2021 18:59	WG1783768
(S) 4-Bromofluorobenzene	93.6			67.0-138		12/03/2021 06:38	WG1783093
(S) 4-Bromofluorobenzene	104			67.0-138		12/06/2021 18:59	WG1783768
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/03/2021 06:38	WG1783093
(S) 1,2-Dichloroethane-d4	113			70.0-130		12/06/2021 18:59	WG1783768

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	358000		8450	20000	1	12/06/2021 05:49	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-04 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2770		102	1000	1	12/02/2021 18:23	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3790		28.1	100	1	12/28/2021 19:52	<a href="#">WG1795422</a>
Manganese	4750		0.704	5.00	1	12/28/2021 19:52	<a href="#">WG1795422</a>

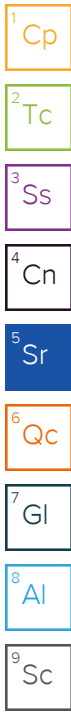
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6180		0.287	0.678	1	12/05/2021 15:08	<a href="#">WG1784333</a>
Ethane	U		0.296	1.29	1	12/05/2021 15:08	<a href="#">WG1784333</a>
Ethene	U		0.422	1.27	1	12/05/2021 15:08	<a href="#">WG1784333</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.66	J- C3	0.548	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Bromobenzene	U	<del>U</del>	0.0420	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>U</del>	0.101	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>U</del>	0.0620	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>U</del>	0.0368	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>U</del>	0.0452	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>U</del>	0.204	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>U</del>	0.0580	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>U</del>	0.0680	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>U</del>	0.0788	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1.12		0.0276	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Methylene Chloride	U		0.265	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Toluene	0.300		0.0500	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Trichloroethene	0.313		0.0160	0.0400	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2,4-Trimethylbenzene	0.0990	<del>J</del>	0.0464	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Vinyl chloride	U	UJ <del>C3</del>	0.0273	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Xylenes, Total	0.297		0.191	0.260	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Tetrahydrofuran	23.6		0.0900	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Iodomethane	U		0.242	0.500	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Allyl chloride	U		0.580	1.00	1	12/03/2021 07:11	<a href="#">WG1783093</a>
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 07:11	<a href="#">WG1783093</a>
(S) Toluene-d8	109			75.0-131		12/03/2021 07:11	<a href="#">WG1783093</a>
(S) 4-Bromofluorobenzene	90.5			67.0-138		12/03/2021 07:11	<a href="#">WG1783093</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/03/2021 07:11	<a href="#">WG1783093</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	167000		8450	20000	1	12/06/2021 05:52	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-05 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1070	<del>B</del>	102	1000	1	12/02/2021 19:13	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15900		28.1	100	1	12/28/2021 19:56	<a href="#">WG1795422</a>
Manganese	528		0.704	5.00	1	12/28/2021 19:56	<a href="#">WG1795422</a>

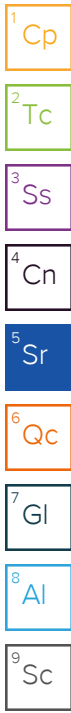
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	304		0.287	0.678	1	12/05/2021 15:12	<a href="#">WG1784333</a>
Ethane	U		0.296	1.29	1	12/05/2021 15:12	<a href="#">WG1784333</a>
Ethene	U		0.422	1.27	1	12/05/2021 15:12	<a href="#">WG1784333</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.78	J- C3	0.548	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Bromobenzene	U	<del>J3</del>	0.0420	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>J3</del>	0.101	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>J3</del>	0.0620	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>J3</del>	0.0368	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>J3</del>	0.0452	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>J3</del>	0.0580	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>J3</del>	0.0680	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>J3</del>	0.0788	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	3.41		0.0276	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Hexachloro-1,3-butadiene	U	<del>J3 J4</del>	0.508	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
p-Isopropyltoluene	U	<del>J3</del>	0.0932	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Methylene Chloride	U		0.265	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Naphthalene	U	<del>J3</del>	0.124	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
n-Propylbenzene	U	<del>J3</del>	0.0472	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Styrene	U	UJ <del>C3</del>	0.109	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1,2,2-Tetrachloroethane	U	<del>J3</del>	0.0156	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Toluene	0.264		0.0500	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2,3-Trichlorobenzene	U	<del>J3 J4</del>	0.0250	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2,4-Trichlorobenzene	U	<del>J3 J4</del>	0.193	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Trichloroethene	0.197		0.0160	0.0400	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2,3-Trichloropropane	U	<del>J3</del>	0.204	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,2,3-Trimethylbenzene	U	<del>J3</del>	0.0460	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
1,3,5-Trimethylbenzene	U	<del>J3</del>	0.0432	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Vinyl chloride	0.601	J- <del>C3</del>	0.0273	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Xylenes, Total	0.323		0.191	0.260	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Tetrahydrofuran	3.49		0.0900	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Iodomethane	U		0.242	0.500	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Allyl chloride	U		0.580	1.00	1	12/03/2021 07:30	<a href="#">WG1783093</a>
Trans-1,4-Dichloro-2-butene	U	UJ <del>C3 J3</del>	0.0560	0.200	1	12/03/2021 07:30	<a href="#">WG1783093</a>
(S) Toluene-d8	108			75.0-131		12/03/2021 07:30	<a href="#">WG1783093</a>
(S) 4-Bromofluorobenzene	88.4			67.0-138		12/03/2021 07:30	<a href="#">WG1783093</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/03/2021 07:30	<a href="#">WG1783093</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	762000		8450	20000	1	12/06/2021 05:57	<a href="#">WG1782795</a>

Sample Narrative:

L1436799-06 WG1782795: Endpoint pH 4.5

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4880		102	1000	1	12/02/2021 19:31	<a href="#">WG1783060</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5390		28.1	100	1	12/28/2021 18:15	<a href="#">WG1795422</a>
Manganese	1470	<del>V</del>	0.704	5.00	1	12/28/2021 18:15	<a href="#">WG1795422</a>

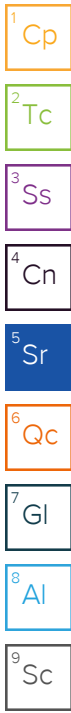
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12700		2.87	6.78	10	12/06/2021 14:06	<a href="#">WG1784519</a>
Ethane	422		0.296	1.29	1	12/05/2021 15:16	<a href="#">WG1784333</a>
Ethene	U		0.422	1.27	1	12/05/2021 15:16	<a href="#">WG1784333</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.81	J- C3	0.548	1.00	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Acrylonitrile	U		0.0760	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Benzene	U		0.0160	0.0400	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Bromobenzene	U	<del>J3</del>	0.0420	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Bromodichloromethane	U		0.0315	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Bromoform	U		0.239	1.00	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Bromomethane	U		0.148	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
n-Butylbenzene	U		0.153	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
sec-Butylbenzene	U	<del>J3</del>	0.101	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
tert-Butylbenzene	U	<del>J3</del>	0.0620	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Chlorobenzene	U		0.0229	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Chloroethane	0.123	J C3 J	0.0432	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Chloroform	U		0.0166	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Chloromethane	U		0.0556	0.500	1	12/03/2021 07:49	<a href="#">WG1783093</a>
2-Chlorotoluene	U	<del>J3</del>	0.0368	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
4-Chlorotoluene	U	<del>J3</del>	0.0452	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Dibromomethane	U		0.0400	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,2-Dichlorobenzene	U	<del>J3</del>	0.0580	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,3-Dichlorobenzene	U	<del>J3</del>	0.0680	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,4-Dichlorobenzene	U	<del>J3</del>	0.0788	0.200	1	12/03/2021 07:49	<a href="#">WG1783093</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/03/2021 07:49	<a href="#">WG1783093</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.265		0.0276	0.100	1	12/03/2021 07:49	WG1783093
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/03/2021 07:49	WG1783093
1,2-Dichloropropane	U		0.0508	0.200	1	12/03/2021 07:49	WG1783093
1,1-Dichloropropene	U		0.0280	0.100	1	12/03/2021 07:49	WG1783093
1,3-Dichloropropane	U		0.0700	0.200	1	12/03/2021 07:49	WG1783093
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/03/2021 07:49	WG1783093
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/03/2021 07:49	WG1783093
2,2-Dichloropropane	U		0.0317	0.100	1	12/03/2021 07:49	WG1783093
Di-isopropyl ether	U		0.0140	0.0400	1	12/03/2021 07:49	WG1783093
Ethylbenzene	U		0.0212	0.100	1	12/03/2021 07:49	WG1783093
Hexachloro-1,3-butadiene	U	J3 J4	0.508	1.00	1	12/03/2021 07:49	WG1783093
Isopropylbenzene	U		0.0345	0.100	1	12/03/2021 07:49	WG1783093
p-Isopropyltoluene	U	J3	0.0932	0.200	1	12/03/2021 07:49	WG1783093
2-Butanone (MEK)	U		0.500	1.00	1	12/03/2021 07:49	WG1783093
Methylene Chloride	U		0.265	1.00	1	12/03/2021 07:49	WG1783093
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/03/2021 07:49	WG1783093
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/03/2021 07:49	WG1783093
Naphthalene	U	J3	0.124	0.500	1	12/03/2021 07:49	WG1783093
n-Propylbenzene	U	J3	0.0472	0.200	1	12/03/2021 07:49	WG1783093
Styrene	U	UJ C3	0.109	0.500	1	12/03/2021 07:49	WG1783093
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/03/2021 07:49	WG1783093
1,1,2,2-Tetrachloroethane	U	J3	0.0156	0.100	1	12/03/2021 07:49	WG1783093
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/03/2021 07:49	WG1783093
Tetrachloroethene	U		0.0280	0.100	1	12/03/2021 07:49	WG1783093
Toluene	U		0.0500	0.200	1	12/03/2021 07:49	WG1783093
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	12/03/2021 07:49	WG1783093
1,2,4-Trichlorobenzene	U	J3 J4	0.193	0.500	1	12/03/2021 07:49	WG1783093
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/03/2021 07:49	WG1783093
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/03/2021 07:49	WG1783093
Trichloroethene	U		0.0160	0.0400	1	12/03/2021 07:49	WG1783093
Trichlorofluoromethane	U		0.0200	0.100	1	12/03/2021 07:49	WG1783093
1,2,3-Trichloropropane	U	J3	0.204	0.500	1	12/03/2021 07:49	WG1783093
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/03/2021 07:49	WG1783093
1,2,3-Trimethylbenzene	U	J3	0.0460	0.200	1	12/03/2021 07:49	WG1783093
1,3,5-Trimethylbenzene	U	J3	0.0432	0.200	1	12/03/2021 07:49	WG1783093
Vinyl chloride	U	UJ C3	0.0273	0.100	1	12/03/2021 07:49	WG1783093
Xylenes, Total	U		0.191	0.260	1	12/03/2021 07:49	WG1783093
Ethyl Ether	U		0.0170	0.100	1	12/03/2021 07:49	WG1783093
Tetrahydrofuran	0.652		0.0900	0.500	1	12/03/2021 07:49	WG1783093
Iodomethane	U		0.242	0.500	1	12/03/2021 07:49	WG1783093
Allyl chloride	U		0.580	1.00	1	12/03/2021 07:49	WG1783093
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	12/03/2021 07:49	WG1783093
(S) Toluene-d8	107			75.0-131		12/03/2021 07:49	WG1783093
(S) 4-Bromofluorobenzene	89.1			67.0-138		12/03/2021 07:49	WG1783093
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/03/2021 07:49	WG1783093

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	370000		8450	20000	1	12/08/2021 04:23	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-01 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7100		102	1000	1	12/06/2021 15:13	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1910		28.1	100	1	01/10/2022 16:28	<a href="#">WG1796973</a>
Manganese	940		0.704	5.00	1	01/10/2022 16:28	<a href="#">WG1796973</a>

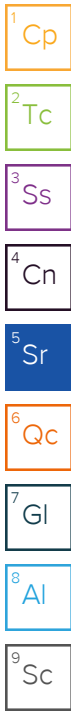
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16100		2.87	6.78	10	12/08/2021 09:00	<a href="#">WG1785901</a>
Ethane	270		0.296	1.29	1	12/07/2021 11:31	<a href="#">WG1785053</a>
Ethene	U		0.422	1.27	1	12/07/2021 11:31	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	11.1	J+	<a href="#">C5 J4</a>	0.548	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Acrylonitrile	U		<del>J4</del>	0.0760	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Bromobenzene	U		0.0420	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Bromoform	U		0.239	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Bromomethane	U		0.148	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Chloroethane	U		0.0432	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Chloroform	U		0.0166	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Chloromethane	U		0.0556	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Dibromomethane	U		0.0400	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>	

JC 2/1/2022





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2.59		0.0276	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
trans-1,2-Dichloroethene	0.122	<u>J</u>	0.0572	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Hexachloro-1,3-butadiene	U	<b>UJ</b> <u>C3</u>	0.508	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Methylene Chloride	U		0.265	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Naphthalene	U		0.124	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
n-Propylbenzene	0.0500	<u>J</u>	0.0472	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Styrene	U		0.109	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Toluene	0.0740	<u>J</u>	0.0500	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2,3-Trichlorobenzene	U	<b>UJ</b> <u>C4</u>	0.0250	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2,4-Trichlorobenzene	U	<b>UJ</b> <u>C3</u>	0.193	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,1,2-Trichloroethane	U	<del><u>J4</u></del>	0.0353	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Trichloroethene	0.0420		0.0160	0.0400	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2,4-Trimethylbenzene	0.0640	<u>J</u>	0.0464	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Vinyl chloride	0.387		0.0273	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Xylenes, Total	U		0.191	0.260	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Tetrahydrofuran	2.83	<b>J+</b> <u>C5 J4</u>	0.0900	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Iodomethane	U		0.242	0.500	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Allyl chloride	U		0.580	1.00	1	12/07/2021 21:26	<a href="#">WG1785650</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 21:26	<a href="#">WG1785650</a>
(S) Toluene-d8	104			75.0-131		12/07/2021 21:26	<a href="#">WG1785650</a>
(S) 4-Bromofluorobenzene	102			67.0-138		12/07/2021 21:26	<a href="#">WG1785650</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		12/07/2021 21:26	<a href="#">WG1785650</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	353000		8450	20000	1	12/08/2021 04:32	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-02 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	12500		102	1000	1	12/06/2021 15:31	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4650		28.1	100	1	01/10/2022 16:31	<a href="#">WG1796973</a>
Manganese	414		0.704	5.00	1	01/10/2022 16:31	<a href="#">WG1796973</a>

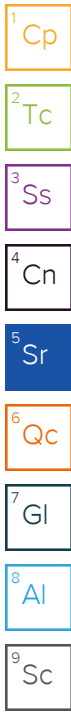
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5720		0.287	0.678	1	12/07/2021 11:39	<a href="#">WG1785053</a>
Ethane	90.8		0.296	1.29	1	12/07/2021 11:39	<a href="#">WG1785053</a>
Ethene	U		0.422	1.27	1	12/07/2021 11:39	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.67	J+ <del>C5</del> J4	0.548	1.00	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Acrylonitrile	U	J4	0.0760	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Bromobenzene	U		0.0420	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Bromoform	U		0.239	1.00	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Bromomethane	U		0.148	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Chloroethane	U		0.0432	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Chloroform	U		0.0166	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Chloromethane	U		0.0556	0.500	1	12/07/2021 21:45	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Dibromomethane	U		0.0400	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 21:45	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 21:45	<a href="#">WG1785650</a>

IC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.369		0.0276	0.100	1	12/07/2021 21:45	WG1785650
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/07/2021 21:45	WG1785650
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 21:45	WG1785650
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 21:45	WG1785650
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 21:45	WG1785650
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 21:45	WG1785650
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 21:45	WG1785650
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 21:45	WG1785650
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 21:45	WG1785650
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 21:45	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 21:45	WG1785650
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 21:45	WG1785650
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 21:45	WG1785650
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 21:45	WG1785650
Methylene Chloride	U		0.265	1.00	1	12/07/2021 21:45	WG1785650
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 21:45	WG1785650
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 21:45	WG1785650
Naphthalene	U		0.124	0.500	1	12/07/2021 21:45	WG1785650
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 21:45	WG1785650
Styrene	U		0.109	0.500	1	12/07/2021 21:45	WG1785650
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 21:45	WG1785650
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 21:45	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 21:45	WG1785650
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 21:45	WG1785650
Toluene	0.241		0.0500	0.200	1	12/07/2021 21:45	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 21:45	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 21:45	WG1785650
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 21:45	WG1785650
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 21:45	WG1785650
Trichloroethene	U		0.0160	0.0400	1	12/07/2021 21:45	WG1785650
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 21:45	WG1785650
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 21:45	WG1785650
1,2,4-Trimethylbenzene	0.0760	J	0.0464	0.200	1	12/07/2021 21:45	WG1785650
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 21:45	WG1785650
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 21:45	WG1785650
Vinyl chloride	0.159		0.0273	0.100	1	12/07/2021 21:45	WG1785650
Xylenes, Total	0.414		0.191	0.260	1	12/07/2021 21:45	WG1785650
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 21:45	WG1785650
Tetrahydrofuran	1.50	J+ C5 J4	0.0900	0.500	1	12/07/2021 21:45	WG1785650
Iodomethane	U		0.242	0.500	1	12/07/2021 21:45	WG1785650
Allyl chloride	U		0.580	1.00	1	12/07/2021 21:45	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 21:45	WG1785650
(S) Toluene-d8	105			75.0-131		12/07/2021 21:45	WG1785650
(S) 4-Bromofluorobenzene	102			67.0-138		12/07/2021 21:45	WG1785650
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/07/2021 21:45	WG1785650

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	651000		8450	20000	1	12/08/2021 04:36	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-03 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	29500		102	1000	1	12/06/2021 16:28	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20100		28.1	100	1	01/10/2022 16:34	<a href="#">WG1796973</a>
Manganese	3610		0.704	5.00	1	01/10/2022 16:34	<a href="#">WG1796973</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	34900		2.87	6.78	10	12/08/2021 09:12	<a href="#">WG1785901</a>
Ethane	859		0.296	1.29	1	12/07/2021 11:45	<a href="#">WG1785053</a>
Ethene	590		0.422	1.27	1	12/07/2021 11:45	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	12.5	J+	C5 J4	0.548	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Acrylonitrile	U		J4	0.0760	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Benzene	0.136			0.0160	0.0400	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Bromobenzene	U			0.0420	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Bromodichloromethane	U			0.0315	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Bromoform	U			0.239	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Bromomethane	U			0.148	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
n-Butylbenzene	U			0.153	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
sec-Butylbenzene	U			0.101	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
tert-Butylbenzene	U			0.0620	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Carbon tetrachloride	U			0.0432	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Chlorobenzene	U			0.0229	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Chlorodibromomethane	U			0.0180	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Chloroethane	U			0.0432	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Chloroform	U			0.0166	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Chloromethane	U			0.0556	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
2-Chlorotoluene	U			0.0368	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
4-Chlorotoluene	U			0.0452	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2-Dibromoethane	U			0.0210	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Dibromomethane	U			0.0400	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U			0.0580	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U			0.0680	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U			0.0788	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U			0.0327	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1-Dichloroethane	U			0.0230	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2-Dichloroethane	U			0.0190	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1-Dichloroethene	0.728			0.0200	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>

JC 2/1/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	617		0.690	2.50	25	12/10/2021 03:52	<a href="#">WG1786175</a>
trans-1,2-Dichloroethene	21.0		0.0572	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Isopropylbenzene	0.0670	U	0.0345	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Methylene Chloride	U		0.265	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Naphthalene	U		0.124	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Styrene	U		0.109	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Toluene	0.597		0.0500	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Trichloroethene	0.107		0.0160	0.0400	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2,4-Trimethylbenzene	0.0740	U	0.0464	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,2,3-Trimethylbenzene	0.0780	U	0.0460	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
1,3,5-Trimethylbenzene	0.0600	U	0.0432	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Vinyl chloride	480		0.682	2.50	25	12/10/2021 03:52	<a href="#">WG1786175</a>
Xylenes, Total	U		0.191	0.260	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Tetrahydrofuran	10.4	J+ C5 J4	0.0900	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Iodomethane	U		0.242	0.500	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Allyl chloride	U		0.580	1.00	1	12/07/2021 22:03	<a href="#">WG1785650</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 22:03	<a href="#">WG1785650</a>
(S) Toluene-d8	103			75.0-131		12/07/2021 22:03	<a href="#">WG1785650</a>
(S) Toluene-d8	103			75.0-131		12/10/2021 03:52	<a href="#">WG1786175</a>
(S) 4-Bromofluorobenzene	106			67.0-138		12/07/2021 22:03	<a href="#">WG1785650</a>
(S) 4-Bromofluorobenzene	99.1			67.0-138		12/10/2021 03:52	<a href="#">WG1786175</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		12/07/2021 22:03	<a href="#">WG1785650</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 03:52	<a href="#">WG1786175</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	688000		8450	20000	1	12/08/2021 05:02	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-04 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	46400		102	1000	1	12/06/2021 16:47	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	33800		28.1	100	1	01/10/2022 16:38	<a href="#">WG1796973</a>
Manganese	1290		0.704	5.00	1	01/10/2022 16:38	<a href="#">WG1796973</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	24100		2.87	6.78	10	12/08/2021 09:16	<a href="#">WG1785901</a>
Ethane	748		0.296	1.29	1	12/07/2021 11:50	<a href="#">WG1785053</a>
Ethene	2330		0.422	1.27	1	12/07/2021 11:50	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	13.8	J+ <del>B</del> C5 J4	5.48	10.0	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Acrylonitrile	U	<del>J4</del>	0.760	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Benzene	0.200	J	0.160	0.400	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Bromobenzene	U		0.420	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.315	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Bromoform	U		2.39	10.0	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Bromomethane	U		1.48	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
n-Butylbenzene	U		1.53	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
sec-Butylbenzene	U		1.01	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.620	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.432	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Chlorobenzene	U		0.229	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.180	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Chloroethane	U		0.432	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Chloroform	U		0.166	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Chloromethane	U		0.556	5.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.368	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.452	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.210	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Dibromomethane	U		0.400	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.327	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.230	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.190	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>
1,1-Dichloroethene	15.5		0.200	1.00	10	12/08/2021 00:34	<a href="#">WG1785650</a>

JC 2/1/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	7610		6.90	25.0	250	12/12/2021 00:45	WG1787215
trans-1,2-Dichloroethene	70.3		0.572	2.00	10	12/08/2021 00:34	WG1785650
1,2-Dichloropropane	U		0.508	2.00	10	12/08/2021 00:34	WG1785650
1,1-Dichloropropene	U		0.280	1.00	10	12/08/2021 00:34	WG1785650
1,3-Dichloropropane	U		0.700	2.00	10	12/08/2021 00:34	WG1785650
cis-1,3-Dichloropropene	U		0.271	1.00	10	12/08/2021 00:34	WG1785650
trans-1,3-Dichloropropene	U		0.612	2.00	10	12/08/2021 00:34	WG1785650
2,2-Dichloropropane	U		0.317	1.00	10	12/08/2021 00:34	WG1785650
Di-isopropyl ether	U		0.140	0.400	10	12/08/2021 00:34	WG1785650
Ethylbenzene	U		0.212	1.00	10	12/08/2021 00:34	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	5.08	10.0	10	12/08/2021 00:34	WG1785650
Isopropylbenzene	U		0.345	1.00	10	12/08/2021 00:34	WG1785650
p-Isopropyltoluene	U		0.932	2.00	10	12/08/2021 00:34	WG1785650
2-Butanone (MEK)	U		5.00	10.0	10	12/08/2021 00:34	WG1785650
Methylene Chloride	U		2.65	10.0	10	12/08/2021 00:34	WG1785650
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	12/08/2021 00:34	WG1785650
Methyl tert-butyl ether	U		0.118	0.400	10	12/08/2021 00:34	WG1785650
Naphthalene	U		1.24	5.00	10	12/08/2021 00:34	WG1785650
n-Propylbenzene	U		0.472	2.00	10	12/08/2021 00:34	WG1785650
Styrene	U		1.09	5.00	10	12/08/2021 00:34	WG1785650
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	12/08/2021 00:34	WG1785650
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	12/08/2021 00:34	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	12/08/2021 00:34	WG1785650
Tetrachloroethene	U		0.280	1.00	10	12/08/2021 00:34	WG1785650
Toluene	1.13		0.500	2.00	10	12/08/2021 00:34	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	12/08/2021 00:34	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	1.93	5.00	10	12/08/2021 00:34	WG1785650
1,1,1-Trichloroethane	U		0.110	1.00	10	12/08/2021 00:34	WG1785650
1,1,2-Trichloroethane	U	J4	0.353	1.00	10	12/08/2021 00:34	WG1785650
Trichloroethene	1.24		0.160	0.400	10	12/08/2021 00:34	WG1785650
Trichlorofluoromethane	U		0.200	1.00	10	12/08/2021 00:34	WG1785650
1,2,3-Trichloropropane	U		2.04	5.00	10	12/08/2021 00:34	WG1785650
1,2,4-Trimethylbenzene	0.510		0.464	2.00	10	12/08/2021 00:34	WG1785650
1,2,3-Trimethylbenzene	U		0.460	2.00	10	12/08/2021 00:34	WG1785650
1,3,5-Trimethylbenzene	U		0.432	2.00	10	12/08/2021 00:34	WG1785650
Vinyl chloride	3100		1.36	5.00	50	12/10/2021 04:12	WG1786175
Xylenes, Total	U		1.91	2.60	10	12/08/2021 00:34	WG1785650
Ethyl Ether	U		0.170	1.00	10	12/08/2021 00:34	WG1785650
Tetrahydrofuran	U	J4	0.900	5.00	10	12/08/2021 00:34	WG1785650
Iodomethane	U		2.42	5.00	10	12/08/2021 00:34	WG1785650
Allyl chloride	U		5.80	10.0	10	12/08/2021 00:34	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	12/08/2021 00:34	WG1785650
(S) Toluene-d8	104			75.0-131		12/08/2021 00:34	WG1785650
(S) Toluene-d8	102			75.0-131		12/10/2021 04:12	WG1786175
(S) Toluene-d8	97.0			75.0-131		12/12/2021 00:45	WG1787215
(S) 4-Bromofluorobenzene	102			67.0-138		12/08/2021 00:34	WG1785650
(S) 4-Bromofluorobenzene	100			67.0-138		12/10/2021 04:12	WG1786175
(S) 4-Bromofluorobenzene	102			67.0-138		12/12/2021 00:45	WG1787215
(S) 1,2-Dichloroethane-d4	109			70.0-130		12/08/2021 00:34	WG1785650
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/10/2021 04:12	WG1786175
(S) 1,2-Dichloroethane-d4	109			70.0-130		12/12/2021 00:45	WG1787215

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	216000		8450	20000	1	12/08/2021 05:06	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-05 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2080	<del>B</del>	102	1000	1	12/06/2021 17:02	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	193		28.1	100	1	01/10/2022 16:41	<a href="#">WG1796973</a>
Manganese	15.6		0.704	5.00	1	01/10/2022 16:41	<a href="#">WG1796973</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	12/07/2021 11:56	<a href="#">WG1785053</a>
Ethane	U		0.296	1.29	1	12/07/2021 11:56	<a href="#">WG1785053</a>
Ethene	U		0.422	1.27	1	12/07/2021 11:56	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.73	J+	<del>B</del> C5 J4	0.548	1.00	1	12/07/2021 22:22	<a href="#">WG1785650</a>
Acrylonitrile	U		<del>J4</del>	0.0760	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Bromobenzene	U		0.0420	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Bromoform	U		0.239	1.00	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Bromomethane	U		0.148	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Chloroethane	U		0.0432	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Chloroform	U		0.0166	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Chloromethane	U		0.0556	0.500	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Dibromomethane	U		0.0400	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 22:22	<a href="#">WG1785650</a>	

JC 2/1/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1.51		0.0276	0.100	1	12/10/2021 02:17	WG1786175
trans-1,2-Dichloroethene	0.114	J	0.0572	0.200	1	12/07/2021 22:22	WG1785650
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 22:22	WG1785650
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 22:22	WG1785650
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 22:22	WG1785650
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 22:22	WG1785650
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 22:22	WG1785650
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 22:22	WG1785650
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 22:22	WG1785650
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 22:22	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 22:22	WG1785650
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 22:22	WG1785650
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 22:22	WG1785650
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 22:22	WG1785650
Methylene Chloride	U		0.265	1.00	1	12/07/2021 22:22	WG1785650
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 22:22	WG1785650
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 22:22	WG1785650
Naphthalene	U		0.124	0.500	1	12/07/2021 22:22	WG1785650
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 22:22	WG1785650
Styrene	U		0.109	0.500	1	12/07/2021 22:22	WG1785650
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 22:22	WG1785650
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 22:22	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 22:22	WG1785650
Tetrachloroethene	8.11		0.0280	0.100	1	12/07/2021 22:22	WG1785650
Toluene	0.236		0.0500	0.200	1	12/07/2021 22:22	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 22:22	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 22:22	WG1785650
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 22:22	WG1785650
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 22:22	WG1785650
Trichloroethene	2.08		0.0160	0.0400	1	12/07/2021 22:22	WG1785650
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 22:22	WG1785650
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 22:22	WG1785650
1,2,4-Trimethylbenzene	0.113	J	0.0464	0.200	1	12/07/2021 22:22	WG1785650
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 22:22	WG1785650
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 22:22	WG1785650
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 02:17	WG1786175
Xylenes, Total	0.291		0.191	0.260	1	12/07/2021 22:22	WG1785650
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 22:22	WG1785650
Tetrahydrofuran	U	J4	0.0900	0.500	1	12/07/2021 22:22	WG1785650
Iodomethane	U		0.242	0.500	1	12/07/2021 22:22	WG1785650
Allyl chloride	U		0.580	1.00	1	12/07/2021 22:22	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 22:22	WG1785650
(S) Toluene-d8	106			75.0-131		12/07/2021 22:22	WG1785650
(S) Toluene-d8	107			75.0-131		12/10/2021 02:17	WG1786175
(S) 4-Bromofluorobenzene	101			67.0-138		12/07/2021 22:22	WG1785650
(S) 4-Bromofluorobenzene	100			67.0-138		12/10/2021 02:17	WG1786175
(S) 1,2-Dichloroethane-d4	107			70.0-130		12/07/2021 22:22	WG1785650
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/10/2021 02:17	WG1786175

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	289000		8450	20000	1	12/08/2021 05:10	<a href="#">WG1785157</a>

Sample Narrative:

L1437979-06 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3840	<del>E</del>	102	1000	1	12/06/2021 17:18	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11800		28.1	100	1	01/04/2022 16:10	<a href="#">WG1797477</a>
Manganese	2860		0.704	5.00	1	01/04/2022 16:10	<a href="#">WG1797477</a>

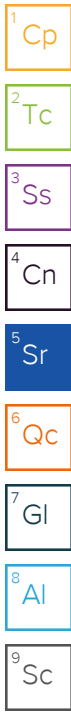
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16100		2.87	6.78	10	12/08/2021 09:21	<a href="#">WG1785901</a>
Ethane	35.3		0.296	1.29	1	12/07/2021 11:59	<a href="#">WG1785053</a>
Ethene	U		0.422	1.27	1	12/07/2021 11:59	<a href="#">WG1785053</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Acrylonitrile	U	<del>L4</del>	0.0760	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Bromobenzene	U		0.0420	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Bromoform	U		0.239	1.00	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Bromomethane	U		0.148	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Chloroethane	U		0.0432	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Chloroform	U		0.0166	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Chloromethane	U		0.0556	0.500	1	12/07/2021 22:41	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Dibromomethane	U		0.0400	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 22:41	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 22:41	<a href="#">WG1785650</a>

IC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.347		0.0276	0.100	1	12/10/2021 02:36	WG1786175
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/07/2021 22:41	WG1785650
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 22:41	WG1785650
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 22:41	WG1785650
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 22:41	WG1785650
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 22:41	WG1785650
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 22:41	WG1785650
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 22:41	WG1785650
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 22:41	WG1785650
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 22:41	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 22:41	WG1785650
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 22:41	WG1785650
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 22:41	WG1785650
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 22:41	WG1785650
Methylene Chloride	U		0.265	1.00	1	12/07/2021 22:41	WG1785650
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 22:41	WG1785650
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 22:41	WG1785650
Naphthalene	U		0.124	0.500	1	12/07/2021 22:41	WG1785650
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 22:41	WG1785650
Styrene	U		0.109	0.500	1	12/07/2021 22:41	WG1785650
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 22:41	WG1785650
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 22:41	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 22:41	WG1785650
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 22:41	WG1785650
Toluene	U		0.0500	0.200	1	12/07/2021 22:41	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 22:41	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 22:41	WG1785650
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 22:41	WG1785650
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 22:41	WG1785650
Trichloroethene	U		0.0160	0.0400	1	12/07/2021 22:41	WG1785650
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 22:41	WG1785650
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 22:41	WG1785650
1,2,4-Trimethylbenzene	0.0480	J	0.0464	0.200	1	12/07/2021 22:41	WG1785650
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 22:41	WG1785650
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 22:41	WG1785650
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 02:36	WG1786175
Xylenes, Total	U		0.191	0.260	1	12/07/2021 22:41	WG1785650
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 22:41	WG1785650
Tetrahydrofuran	1.45	J+ C5 J4	0.0900	0.500	1	12/07/2021 22:41	WG1785650
Iodomethane	U		0.242	0.500	1	12/07/2021 22:41	WG1785650
Allyl chloride	U		0.580	1.00	1	12/07/2021 22:41	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 22:41	WG1785650
(S) Toluene-d8	107			75.0-131		12/07/2021 22:41	WG1785650
(S) Toluene-d8	116			75.0-131		12/10/2021 02:36	WG1786175
(S) 4-Bromofluorobenzene	101			67.0-138		12/07/2021 22:41	WG1785650
(S) 4-Bromofluorobenzene	98.3			67.0-138		12/10/2021 02:36	WG1786175
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/07/2021 22:41	WG1785650
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/10/2021 02:36	WG1786175

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	837000		8450	20000	1	12/08/2021 05:14	<a href="#">WG1785157</a>

Sample Narrative:

L1438005-01 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	16900		102	1000	1	12/06/2021 18:10	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	9040		28.1	100	1	01/04/2022 18:14	<a href="#">WG1796972</a>
Manganese	2770		0.704	5.00	1	01/04/2022 18:14	<a href="#">WG1796972</a>

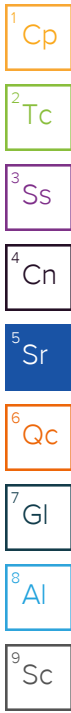
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4840		0.287	0.678	1	12/08/2021 09:50	<a href="#">WG1785901</a>
Ethane	34.0		0.296	1.29	1	12/08/2021 09:50	<a href="#">WG1785901</a>
Ethene	7.99		0.422	1.27	1	12/08/2021 09:50	<a href="#">WG1785901</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	3.96	J+ <del>B C5 J4</del>	0.548	1.00	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Acrylonitrile	U	<del>J4</del>	0.0760	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Bromobenzene	U		0.0420	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Bromoform	U		0.239	1.00	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Bromomethane	U		0.148	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Chloroethane	1.54		0.0432	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Chloroform	U		0.0166	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Chloromethane	U		0.0556	0.500	1	12/07/2021 22:59	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Dibromomethane	U		0.0400	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 22:59	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 22:59	<a href="#">WG1785650</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.550		0.138	0.500	5	12/12/2021 00:26	WG1787215
trans-1,2-Dichloroethene	0.630		0.0572	0.200	1	12/07/2021 22:59	WG1785650
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 22:59	WG1785650
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 22:59	WG1785650
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 22:59	WG1785650
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 22:59	WG1785650
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 22:59	WG1785650
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 22:59	WG1785650
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 22:59	WG1785650
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 22:59	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 22:59	WG1785650
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 22:59	WG1785650
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 22:59	WG1785650
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 22:59	WG1785650
Methylene Chloride	U		0.265	1.00	1	12/07/2021 22:59	WG1785650
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 22:59	WG1785650
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 22:59	WG1785650
Naphthalene	U		0.124	0.500	1	12/07/2021 22:59	WG1785650
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 22:59	WG1785650
Styrene	U		0.109	0.500	1	12/07/2021 22:59	WG1785650
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 22:59	WG1785650
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 22:59	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 22:59	WG1785650
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 22:59	WG1785650
Toluene	U		0.0500	0.200	1	12/07/2021 22:59	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 22:59	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 22:59	WG1785650
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 22:59	WG1785650
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 22:59	WG1785650
Trichloroethene	0.117		0.0160	0.0400	1	12/07/2021 22:59	WG1785650
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 22:59	WG1785650
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 22:59	WG1785650
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/07/2021 22:59	WG1785650
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 22:59	WG1785650
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 22:59	WG1785650
Vinyl chloride	105		0.137	0.500	5	12/10/2021 04:31	WG1786175
Xylenes, Total	U		0.191	0.260	1	12/07/2021 22:59	WG1785650
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 22:59	WG1785650
Tetrahydrofuran	U	J4	0.0900	0.500	1	12/07/2021 22:59	WG1785650
Iodomethane	U		0.242	0.500	1	12/07/2021 22:59	WG1785650
Allyl chloride	U		0.580	1.00	1	12/07/2021 22:59	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 22:59	WG1785650
(S) Toluene-d8	104			75.0-131		12/07/2021 22:59	WG1785650
(S) Toluene-d8	106			75.0-131		12/10/2021 04:31	WG1786175
(S) Toluene-d8	97.8			75.0-131		12/12/2021 00:26	WG1787215
(S) 4-Bromofluorobenzene	99.6			67.0-138		12/07/2021 22:59	WG1785650
(S) 4-Bromofluorobenzene	98.9			67.0-138		12/10/2021 04:31	WG1786175
(S) 4-Bromofluorobenzene	106			67.0-138		12/12/2021 00:26	WG1787215
(S) 1,2-Dichloroethane-d4	110			70.0-130		12/07/2021 22:59	WG1785650
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/10/2021 04:31	WG1786175
(S) 1,2-Dichloroethane-d4	108			70.0-130		12/12/2021 00:26	WG1787215

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	819000		8450	20000	1	12/08/2021 05:18	<a href="#">WG1785157</a>

Sample Narrative:

L1438005-02 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	11800		102	1000	1	12/06/2021 18:27	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	5570		28.1	100	1	01/04/2022 18:18	<a href="#">WG1796972</a>
Manganese	1860		0.704	5.00	1	01/04/2022 18:18	<a href="#">WG1796972</a>

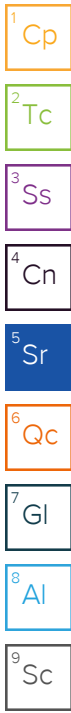
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	5050		0.287	0.678	1	12/08/2021 09:58	<a href="#">WG1785901</a>
Ethane	110		0.296	1.29	1	12/08/2021 09:58	<a href="#">WG1785901</a>
Ethene	U		0.422	1.27	1	12/08/2021 09:58	<a href="#">WG1785901</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.12	U	0.548	1.00	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Acrylonitrile	U		0.0760	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Benzene	U		0.0160	0.0400	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Bromobenzene	U		0.0420	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Bromoform	U		0.239	1.00	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Bromomethane	U		0.148	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Chloroethane	0.408		0.0432	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Chloroform	U		0.0166	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Chloromethane	U		0.0556	0.500	1	12/07/2021 23:18	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Dibromomethane	U		0.0400	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 23:18	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 23:18	<a href="#">WG1785650</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.136		0.0276	0.100	1	12/10/2021 02:55	WG1786175
trans-1,2-Dichloroethene	2.25		0.0572	0.200	1	12/07/2021 23:18	WG1785650
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 23:18	WG1785650
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 23:18	WG1785650
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 23:18	WG1785650
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 23:18	WG1785650
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 23:18	WG1785650
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 23:18	WG1785650
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 23:18	WG1785650
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 23:18	WG1785650
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	12/07/2021 23:18	WG1785650
Isopropylbenzene	U		0.0345	0.100	1	12/07/2021 23:18	WG1785650
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 23:18	WG1785650
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 23:18	WG1785650
Methylene Chloride	U		0.265	1.00	1	12/07/2021 23:18	WG1785650
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 23:18	WG1785650
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 23:18	WG1785650
Naphthalene	U		0.124	0.500	1	12/07/2021 23:18	WG1785650
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 23:18	WG1785650
Styrene	U		0.109	0.500	1	12/07/2021 23:18	WG1785650
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 23:18	WG1785650
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 23:18	WG1785650
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 23:18	WG1785650
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 23:18	WG1785650
Toluene	0.123	U UJ J4	0.0500	0.200	1	12/07/2021 23:18	WG1785650
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	12/07/2021 23:18	WG1785650
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	12/07/2021 23:18	WG1785650
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 23:18	WG1785650
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	12/07/2021 23:18	WG1785650
Trichloroethene	U		0.0160	0.0400	1	12/07/2021 23:18	WG1785650
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 23:18	WG1785650
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 23:18	WG1785650
1,2,4-Trimethylbenzene	0.0540	U	0.0464	0.200	1	12/07/2021 23:18	WG1785650
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 23:18	WG1785650
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 23:18	WG1785650
Vinyl chloride	1.14		0.0273	0.100	1	12/10/2021 02:55	WG1786175
Xylenes, Total	0.198	U	0.191	0.260	1	12/07/2021 23:18	WG1785650
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 23:18	WG1785650
Tetrahydrofuran	0.886	J+ C5 J4	0.0900	0.500	1	12/07/2021 23:18	WG1785650
Iodomethane	U		0.242	0.500	1	12/07/2021 23:18	WG1785650
Allyl chloride	U		0.580	1.00	1	12/07/2021 23:18	WG1785650
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 23:18	WG1785650
(S) Toluene-d8	106			75.0-131		12/07/2021 23:18	WG1785650
(S) Toluene-d8	106			75.0-131		12/10/2021 02:55	WG1786175
(S) 4-Bromofluorobenzene	100			67.0-138		12/07/2021 23:18	WG1785650
(S) 4-Bromofluorobenzene	95.5			67.0-138		12/10/2021 02:55	WG1786175
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/07/2021 23:18	WG1785650
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 02:55	WG1786175

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	444000		8450	20000	1	12/08/2021 05:22	<a href="#">WG1785157</a>

Sample Narrative:

L1438005-03 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13200		102	1000	1	12/06/2021 18:50	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2920		28.1	100	1	01/04/2022 18:21	<a href="#">WG1796972</a>
Manganese	1820		0.704	5.00	1	01/04/2022 18:21	<a href="#">WG1796972</a>

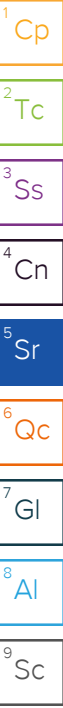
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6270		0.287	0.678	1	12/08/2021 10:02	<a href="#">WG1785901</a>
Ethane	174		0.296	1.29	1	12/08/2021 10:02	<a href="#">WG1785901</a>
Ethene	41.6		0.422	1.27	1	12/08/2021 10:02	<a href="#">WG1785901</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Acrylonitrile	U	<del>J4</del>	0.0760	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Benzene	0.199		0.0160	0.0400	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Bromobenzene	U		0.0420	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Bromodichloromethane	U		0.0315	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Bromoform	U		0.239	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Bromomethane	U		0.148	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
n-Butylbenzene	U		0.153	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
sec-Butylbenzene	U		0.101	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Chlorobenzene	U		0.0229	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Chloroethane	U		0.0432	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Chloroform	U		0.0166	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Chloromethane	U		0.0556	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Dibromomethane	U		0.0400	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>

JC 2/1/2022





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0510	<u>J</u>	0.0276	0.100	1	12/10/2021 03:14	<a href="#">WG1786175</a>
trans-1,2-Dichloroethene	1.06		0.0572	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Ethylbenzene	U		0.0212	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Hexachloro-1,3-butadiene	U	<b>UJ</b> <u>C3</u>	0.508	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Isopropylbenzene	0.196		0.0345	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Methylene Chloride	U		0.265	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Naphthalene	U		0.124	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
n-Propylbenzene	U		0.0472	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Styrene	U		0.109	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Tetrachloroethene	U		0.0280	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Toluene	0.164	<b>U</b> <u>J</u>	0.0500	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2,3-Trichlorobenzene	U	<b>UJ</b> <u>C4</u>	0.0250	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2,4-Trichlorobenzene	U	<b>UJ</b> <u>C3</u>	0.193	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,1,2-Trichloroethane	U	<b>J</b> <u>J</u>	0.0353	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Trichloroethene	0.0350	<u>J</u>	0.0160	0.0400	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Vinyl chloride	0.292		0.0273	0.100	1	12/10/2021 03:14	<a href="#">WG1786175</a>
Xylenes, Total	U		0.191	0.260	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Ethyl Ether	U		0.0170	0.100	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Tetrahydrofuran	14.3	<b>J+</b> <u>C5 J4</u>	0.0900	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Iodomethane	U		0.242	0.500	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Allyl chloride	U		0.580	1.00	1	12/07/2021 23:37	<a href="#">WG1785650</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/07/2021 23:37	<a href="#">WG1785650</a>
(S) Toluene-d8	102			75.0-131		12/07/2021 23:37	<a href="#">WG1785650</a>
(S) Toluene-d8	106			75.0-131		12/10/2021 03:14	<a href="#">WG1786175</a>
(S) 4-Bromofluorobenzene	106			67.0-138		12/07/2021 23:37	<a href="#">WG1785650</a>
(S) 4-Bromofluorobenzene	101			67.0-138		12/10/2021 03:14	<a href="#">WG1786175</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		12/07/2021 23:37	<a href="#">WG1785650</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/10/2021 03:14	<a href="#">WG1786175</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	625000		8450	20000	1	12/08/2021 05:27	<a href="#">WG1785157</a>

Sample Narrative:

L1438005-04 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9530		102	1000	1	12/06/2021 19:07	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5040		28.1	100	1	01/04/2022 18:25	<a href="#">WG1796972</a>
Manganese	1590		0.704	5.00	1	01/04/2022 18:25	<a href="#">WG1796972</a>

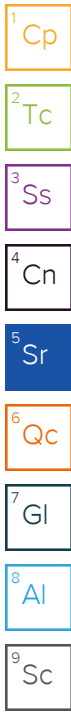
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6220		0.287	0.678	1	12/08/2021 10:07	<a href="#">WG1785901</a>
Ethane	123		0.296	1.29	1	12/08/2021 10:07	<a href="#">WG1785901</a>
Ethene	11.8		0.422	1.27	1	12/08/2021 10:07	<a href="#">WG1785901</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.32	U	<del>B C5 J3 J4</del> 0.548	1.00	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Benzene	U		0.0160	0.0400	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Chloroform	U		0.0166	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 04:50	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Dibromomethane	U		0.0400	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 04:50	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 04:50	<a href="#">WG1786189</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.448		0.0276	0.100	1	12/10/2021 04:50	WG1786189
trans-1,2-Dichloroethene	1.43		0.0572	0.200	1	12/10/2021 04:50	WG1786189
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 04:50	WG1786189
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 04:50	WG1786189
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 04:50	WG1786189
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 04:50	WG1786189
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 04:50	WG1786189
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 04:50	WG1786189
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 04:50	WG1786189
Ethylbenzene	U		0.0212	0.100	1	12/10/2021 04:50	WG1786189
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 04:50	WG1786189
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 04:50	WG1786189
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 04:50	WG1786189
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 04:50	WG1786189
Methylene Chloride	U		0.265	1.00	1	12/10/2021 04:50	WG1786189
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 04:50	WG1786189
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 04:50	WG1786189
Naphthalene	U		0.124	0.500	1	12/10/2021 04:50	WG1786189
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 04:50	WG1786189
Styrene	U		0.109	0.500	1	12/10/2021 04:50	WG1786189
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 04:50	WG1786189
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 04:50	WG1786189
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3	0.0270	0.100	1	12/10/2021 04:50	WG1786189
Tetrachloroethene	U		0.0280	0.100	1	12/10/2021 04:50	WG1786189
Toluene	U		0.0500	0.200	1	12/10/2021 04:50	WG1786189
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 04:50	WG1786189
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 04:50	WG1786189
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 04:50	WG1786189
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 04:50	WG1786189
Trichloroethene	U		0.0160	0.0400	1	12/10/2021 04:50	WG1786189
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 04:50	WG1786189
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 04:50	WG1786189
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/10/2021 04:50	WG1786189
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 04:50	WG1786189
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 04:50	WG1786189
Vinyl chloride	4.37		0.0273	0.100	1	12/10/2021 04:50	WG1786189
Xylenes, Total	U		0.191	0.260	1	12/10/2021 04:50	WG1786189
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 04:50	WG1786189
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 04:50	WG1786189
Iodomethane	U		0.242	0.500	1	12/10/2021 04:50	WG1786189
Allyl chloride	U		0.580	1.00	1	12/10/2021 04:50	WG1786189
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 04:50	WG1786189
(S) Toluene-d8	110			75.0-131		12/10/2021 04:50	WG1786189
(S) 4-Bromofluorobenzene	91.2			67.0-138		12/10/2021 04:50	WG1786189
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 04:50	WG1786189

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	145000		8450	20000	1	12/08/2021 05:31	<a href="#">WG1785157</a>

Sample Narrative:

L1438005-05 WG1785157: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2240	<u>E</u>	102	1000	1	12/06/2021 19:39	<a href="#">WG1784749</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	56.6	<u>J</u>	28.1	100	1	01/04/2022 16:24	<a href="#">WG1797477</a>
Manganese	32.5		0.704	5.00	1	01/04/2022 16:24	<a href="#">WG1797477</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	12/06/2021 12:57	<a href="#">WG1784557</a>
(S) a,a,a-Trifluorotoluene(FID)	94.9			78.0-120		12/06/2021 12:57	<a href="#">WG1784557</a>

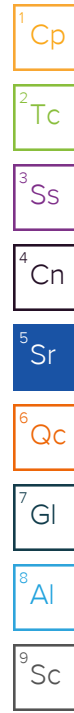
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	12/08/2021 10:11	<a href="#">WG1785901</a>
Ethane	U		0.296	1.29	1	12/08/2021 10:11	<a href="#">WG1785901</a>
Ethene	U		0.422	1.27	1	12/08/2021 10:11	<a href="#">WG1785901</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.93	<u>U</u>	<del>S-C5-J3-J4</del> 0.548	1.00	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Benzene	U		0.0160	0.0400	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Chloroform	0.0850	<u>J</u>	0.0166	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 05:09	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 05:09	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 05:09	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 05:09	<a href="#">WG1786189</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Dibromomethane	U		0.0400	0.200	1	12/10/2021 05:09	WG1786189
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 05:09	WG1786189
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 05:09	WG1786189
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 05:09	WG1786189
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 05:09	WG1786189
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 05:09	WG1786189
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 05:09	WG1786189
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 05:09	WG1786189
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/10/2021 05:09	WG1786189
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/10/2021 05:09	WG1786189
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 05:09	WG1786189
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 05:09	WG1786189
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 05:09	WG1786189
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 05:09	WG1786189
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 05:09	WG1786189
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 05:09	WG1786189
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 05:09	WG1786189
Ethylbenzene	0.0440	U	0.0212	0.100	1	12/10/2021 05:09	WG1786189
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 05:09	WG1786189
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 05:09	WG1786189
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 05:09	WG1786189
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 05:09	WG1786189
Methylene Chloride	U		0.265	1.00	1	12/10/2021 05:09	WG1786189
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 05:09	WG1786189
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 05:09	WG1786189
Naphthalene	U		0.124	0.500	1	12/10/2021 05:09	WG1786189
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 05:09	WG1786189
Styrene	U		0.109	0.500	1	12/10/2021 05:09	WG1786189
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 05:09	WG1786189
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 05:09	WG1786189
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3	0.0270	0.100	1	12/10/2021 05:09	WG1786189
Tetrachloroethene	1.06		0.0280	0.100	1	12/10/2021 05:09	WG1786189
Toluene	0.223		0.0500	0.200	1	12/10/2021 05:09	WG1786189
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 05:09	WG1786189
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 05:09	WG1786189
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 05:09	WG1786189
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 05:09	WG1786189
Trichloroethene	0.0390	U	0.0160	0.0400	1	12/10/2021 05:09	WG1786189
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 05:09	WG1786189
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 05:09	WG1786189
1,2,4-Trimethylbenzene	0.0990	U	0.0464	0.200	1	12/10/2021 05:09	WG1786189
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 05:09	WG1786189
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 05:09	WG1786189
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 05:09	WG1786189
Xylenes, Total	0.341		0.191	0.260	1	12/10/2021 05:09	WG1786189
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 05:09	WG1786189
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 05:09	WG1786189
Iodomethane	U		0.242	0.500	1	12/10/2021 05:09	WG1786189
Allyl chloride	U		0.580	1.00	1	12/10/2021 05:09	WG1786189
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 05:09	WG1786189
(S) Toluene-d8	105			75.0-131		12/10/2021 05:09	WG1786189
(S) 4-Bromofluorobenzene	96.9			67.0-138		12/10/2021 05:09	WG1786189
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 05:09	WG1786189

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	199000		8450	20000	1	12/13/2021 05:41	<a href="#">WG1787989</a>

Sample Narrative:

L1439079-01 WG1787989: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2250	<del>B</del>	102	1000	1	12/08/2021 15:21	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12300	J	28.1	100	1	01/05/2022 20:31	<a href="#">WG1797703</a>
Manganese	857		0.704	5.00	1	01/05/2022 20:31	<a href="#">WG1797703</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	439		0.287	0.678	1	12/11/2021 13:24	<a href="#">WG1786613</a>
Ethane	U	UJ	0.296	1.29	1	12/11/2021 13:24	<a href="#">WG1786613</a>
Ethene	U	UJ	0.422	1.27	1	12/11/2021 13:24	<a href="#">WG1786613</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.27	U	<del>B C5 J3 J4</del>	0.548	1.00	12/10/2021 05:28	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Benzene	0.0390	J	0.0160	0.0400	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Chloroform	U		0.0166	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Dibromomethane	U		0.0400	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1-Dichloroethene	3.13		0.0200	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>

JC 2/1/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	639		0.552	2.00	20	12/12/2021 00:07	<a href="#">WG1787215</a>
trans-1,2-Dichloroethene	2.43		0.0572	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Ethylbenzene	0.0540	<u>J</u>	0.0212	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Methylene Chloride	U		0.265	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Naphthalene	U		0.124	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Styrene	U		0.109	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	<u>UJ</u> <u>C3 J3</u>	0.0270	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Tetrachloroethene	8.27		0.0280	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Toluene	U		0.0500	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Trichloroethene	59.5		0.0160	0.0400	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Vinyl chloride	38.1		0.0273	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Xylenes, Total	0.335		0.191	0.260	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Iodomethane	U		0.242	0.500	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Allyl chloride	U		0.580	1.00	1	12/10/2021 05:28	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 05:28	<a href="#">WG1786189</a>
(S) Toluene-d8	107			75.0-131		12/10/2021 05:28	<a href="#">WG1786189</a>
(S) Toluene-d8	97.1			75.0-131		12/12/2021 00:07	<a href="#">WG1787215</a>
(S) 4-Bromofluorobenzene	98.0			67.0-138		12/10/2021 05:28	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	101			67.0-138		12/12/2021 00:07	<a href="#">WG1787215</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 05:28	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		12/12/2021 00:07	<a href="#">WG1787215</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	172000		8450	20000	1	12/13/2021 05:46	<a href="#">WG1787989</a>

Sample Narrative:

L1439079-02 WG1787989: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1010	<span style="color: red;">B</span>	102	1000	1	12/08/2021 15:36	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2850		28.1	100	1	01/05/2022 20:35	<a href="#">WG1797703</a>
Manganese	425		0.704	5.00	1	01/05/2022 20:35	<a href="#">WG1797703</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	52.7		0.287	0.678	1	12/11/2021 13:29	<a href="#">WG1786613</a>
Ethane	U		0.296	1.29	1	12/11/2021 13:29	<a href="#">WG1786613</a>
Ethene	U		0.422	1.27	1	12/11/2021 13:29	<a href="#">WG1786613</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.54	<span style="color: red;">J+</span>	<span style="color: blue;">B C5 J3 J4</span>	0.548	1.00	1	12/10/2021 05:47	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Benzene	U		0.0160	0.0400	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Bromobenzene	U		0.0420	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Bromoform	U		0.239	1.00	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Bromomethane	U		0.148	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Chloroethane	U		0.0432	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Chloroform	U		0.0166	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Chloromethane	U		0.0556	0.500	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Dibromomethane	U		0.0400	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 05:47	<a href="#">WG1786189</a>	

JC 2/1/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/11/2021 23:48	WG1787215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/10/2021 05:47	WG1786189
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 05:47	WG1786189
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 05:47	WG1786189
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 05:47	WG1786189
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 05:47	WG1786189
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 05:47	WG1786189
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 05:47	WG1786189
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 05:47	WG1786189
Ethylbenzene	U		0.0212	0.100	1	12/10/2021 05:47	WG1786189
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 05:47	WG1786189
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 05:47	WG1786189
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 05:47	WG1786189
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 05:47	WG1786189
Methylene Chloride	U		0.265	1.00	1	12/10/2021 05:47	WG1786189
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 05:47	WG1786189
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 05:47	WG1786189
Naphthalene	U		0.124	0.500	1	12/10/2021 05:47	WG1786189
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 05:47	WG1786189
Styrene	U		0.109	0.500	1	12/10/2021 05:47	WG1786189
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 05:47	WG1786189
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 05:47	WG1786189
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3	0.0270	0.100	1	12/10/2021 05:47	WG1786189
Tetrachloroethene	U		0.0280	0.100	1	12/10/2021 05:47	WG1786189
Toluene	U		0.0500	0.200	1	12/10/2021 05:47	WG1786189
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 05:47	WG1786189
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 05:47	WG1786189
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 05:47	WG1786189
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 05:47	WG1786189
Trichloroethene	U		0.0160	0.0400	1	12/10/2021 05:47	WG1786189
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 05:47	WG1786189
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 05:47	WG1786189
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/10/2021 05:47	WG1786189
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 05:47	WG1786189
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 05:47	WG1786189
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 05:47	WG1786189
Xylenes, Total	U		0.191	0.260	1	12/10/2021 05:47	WG1786189
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 05:47	WG1786189
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 05:47	WG1786189
Iodomethane	U		0.242	0.500	1	12/10/2021 05:47	WG1786189
Allyl chloride	U		0.580	1.00	1	12/10/2021 05:47	WG1786189
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 05:47	WG1786189
(S) Toluene-d8	106			75.0-131		12/10/2021 05:47	WG1786189
(S) Toluene-d8	96.1			75.0-131		12/11/2021 23:48	WG1787215
(S) 4-Bromofluorobenzene	98.8			67.0-138		12/10/2021 05:47	WG1786189
(S) 4-Bromofluorobenzene	106			67.0-138		12/11/2021 23:48	WG1787215
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/10/2021 05:47	WG1786189
(S) 1,2-Dichloroethane-d4	109			70.0-130		12/11/2021 23:48	WG1787215

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	231000		8450	20000	1	12/13/2021 05:50	<a href="#">WG1787989</a>

Sample Narrative:

L1439079-03 WG1787989: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6650		102	1000	1	12/08/2021 16:36	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12700		28.1	100	1	01/05/2022 20:38	<a href="#">WG1797703</a>
Manganese	2730		0.704	5.00	1	01/05/2022 20:38	<a href="#">WG1797703</a>

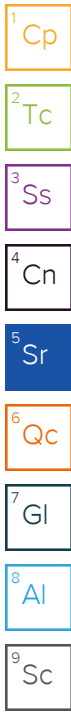
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8830		2.87	6.78	10	12/11/2021 15:41	<a href="#">WG1787901</a>
Ethane	U		0.296	1.29	1	12/11/2021 13:32	<a href="#">WG1786613</a>
Ethene	U		0.422	1.27	1	12/11/2021 13:32	<a href="#">WG1786613</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	39.8	J+ C5 J3 J4	0.548	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Benzene	0.0410		0.0160	0.0400	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Chloroform	U		0.0166	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Dibromomethane	U		0.0400	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	9.25		0.0276	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Ethylbenzene	0.0350	U	0.0212	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Methylene Chloride	U		0.265	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Naphthalene	U		0.124	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Styrene	U		0.109	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3	0.0270	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Tetrachloroethene	0.404		0.0280	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Toluene	0.151	U	0.0500	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Trichloroethene	1.88		0.0160	0.0400	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	0.0930	U	0.0464	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Vinyl chloride	0.234		0.0273	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Xylenes, Total	0.258	U	0.191	0.260	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Iodomethane	U		0.242	0.500	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Allyl chloride	U		0.580	1.00	1	12/10/2021 06:06	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 06:06	<a href="#">WG1786189</a>
(S) Toluene-d8	105			75.0-131		12/10/2021 06:06	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		12/10/2021 06:06	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/10/2021 06:06	<a href="#">WG1786189</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	61900		8450	20000	1	12/13/2021 05:54	<a href="#">WG1787989</a>

Sample Narrative:

L1439079-04 WG1787989: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3660		102	1000	1	12/08/2021 17:29	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	217		28.1	100	1	01/05/2022 18:57	<a href="#">WG1797703</a>
Manganese	3.92	J	0.704	5.00	1	01/05/2022 18:57	<a href="#">WG1797703</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	12/11/2021 13:41	<a href="#">WG1786613</a>
Ethane	U		0.296	1.29	1	12/11/2021 13:41	<a href="#">WG1786613</a>
Ethene	U		0.422	1.27	1	12/11/2021 13:41	<a href="#">WG1786613</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.66	U	<del>B C5 J3 J4</del> 0.548	1.00	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Benzene	U		0.0160	0.0400	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Carbon tetrachloride	0.0850	J	0.0432	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Chloroform	0.0490	J	0.0166	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 06:26	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Dibromomethane	U		0.0400	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 06:26	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 06:26	<a href="#">WG1786189</a>

JC 2/1/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0400	J	0.0276	0.100	1	12/10/2021 06:26	WG1786189
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/10/2021 06:26	WG1786189
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 06:26	WG1786189
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 06:26	WG1786189
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 06:26	WG1786189
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 06:26	WG1786189
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 06:26	WG1786189
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 06:26	WG1786189
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 06:26	WG1786189
Ethylbenzene	U		0.0212	0.100	1	12/10/2021 06:26	WG1786189
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 06:26	WG1786189
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 06:26	WG1786189
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 06:26	WG1786189
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 06:26	WG1786189
Methylene Chloride	U		0.265	1.00	1	12/10/2021 06:26	WG1786189
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 06:26	WG1786189
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 06:26	WG1786189
Naphthalene	U		0.124	0.500	1	12/10/2021 06:26	WG1786189
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 06:26	WG1786189
Styrene	U		0.109	0.500	1	12/10/2021 06:26	WG1786189
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 06:26	WG1786189
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 06:26	WG1786189
1,1,2-Trichlorotrifluoroethane	U	UJ C3 JS	0.0270	0.100	1	12/10/2021 06:26	WG1786189
Tetrachloroethene	U		0.0280	0.100	1	12/10/2021 06:26	WG1786189
Toluene	U		0.0500	0.200	1	12/10/2021 06:26	WG1786189
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 06:26	WG1786189
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 06:26	WG1786189
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 06:26	WG1786189
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 06:26	WG1786189
Trichloroethene	U		0.0160	0.0400	1	12/10/2021 06:26	WG1786189
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 06:26	WG1786189
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 06:26	WG1786189
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/10/2021 06:26	WG1786189
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 06:26	WG1786189
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 06:26	WG1786189
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 06:26	WG1786189
Xylenes, Total	U		0.191	0.260	1	12/10/2021 06:26	WG1786189
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 06:26	WG1786189
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 06:26	WG1786189
Iodomethane	U		0.242	0.500	1	12/10/2021 06:26	WG1786189
Allyl chloride	U		0.580	1.00	1	12/10/2021 06:26	WG1786189
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 06:26	WG1786189
(S) Toluene-d8	114			75.0-131		12/10/2021 06:26	WG1786189
(S) 4-Bromofluorobenzene	108			67.0-138		12/10/2021 06:26	WG1786189
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 06:26	WG1786189

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	257000		8450	20000	1	12/13/2021 05:59	<a href="#">WG1787989</a>

Sample Narrative:

L1439079-05 WG1787989: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1730	<del>B</del>	102	1000	1	12/08/2021 17:43	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1610		28.1	100	1	01/05/2022 20:42	<a href="#">WG1797703</a>
Manganese	161		0.704	5.00	1	01/05/2022 20:42	<a href="#">WG1797703</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20.4		0.287	0.678	1	12/11/2021 13:44	<a href="#">WG1786613</a>
Ethane	U		0.296	1.29	1	12/11/2021 13:44	<a href="#">WG1786613</a>
Ethene	U		0.422	1.27	1	12/11/2021 13:44	<a href="#">WG1786613</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.74	U	<del>B C5 J3 J4</del> 0.548	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Acrylonitrile	U		0.0760	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Benzene	0.0300	J	0.0160	0.0400	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Bromobenzene	U		0.0420	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.0315	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Bromoform	U		0.239	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Bromomethane	U		0.148	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.153	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.101	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Chlorobenzene	U		0.0229	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Chloroethane	U		0.0432	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Chloroform	U		0.0166	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Chloromethane	U		0.0556	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Dibromomethane	U		0.0400	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>

JC 2/1/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Ethylbenzene	U		0.0212	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Isopropylbenzene	U		0.0345	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Methylene Chloride	U		0.265	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Naphthalene	U		0.124	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
n-Propylbenzene	U		0.0472	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Styrene	U		0.109	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	UJ <del>C3 J3</del>	0.0270	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Tetrachloroethene	U		0.0280	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Toluene	U		0.0500	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Trichloroethene	U		0.0160	0.0400	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Vinyl chloride	U		0.0273	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Xylenes, Total	U		0.191	0.260	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Ethyl Ether	U		0.0170	0.100	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Tetrahydrofuran	U		0.0900	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Iodomethane	U		0.242	0.500	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Allyl chloride	U		0.580	1.00	1	12/10/2021 06:45	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/10/2021 06:45	<a href="#">WG1786189</a>
(S) Toluene-d8	104			75.0-131		12/10/2021 06:45	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	106			67.0-138		12/10/2021 06:45	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/10/2021 06:45	<a href="#">WG1786189</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	198000		8450	20000	1	12/13/2021 07:27	<a href="#">WG1787997</a>

Sample Narrative:

L1439098-01 WG1787997: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2290	<del>B</del>	102	1000	1	12/08/2021 18:01	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8770	J	28.1	100	1	01/12/2022 18:26	<a href="#">WG1798813</a>
Manganese	831		0.704	5.00	1	01/12/2022 18:26	<a href="#">WG1798813</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	492		0.287	0.678	1	12/14/2021 12:25	<a href="#">WG1786615</a>
Ethane	6.43	J	0.296	1.29	1	12/14/2021 12:25	<a href="#">WG1786615</a>
Ethene	5.86	J	0.422	1.27	1	12/14/2021 12:25	<a href="#">WG1786615</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J3 J4</del>	5.48	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Acrylonitrile	U		0.760	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Benzene	U		0.160	0.400	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Bromobenzene	U		0.420	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.315	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Bromoform	U		2.39	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Bromomethane	U		1.48	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
n-Butylbenzene	U		1.53	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
sec-Butylbenzene	U		1.01	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.620	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.432	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Chlorobenzene	U		0.229	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.180	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Chloroethane	U		0.432	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Chloroform	U		0.166	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Chloromethane	U		0.556	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.368	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.452	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.210	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Dibromomethane	U		0.400	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.327	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.230	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.190	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1-Dichloroethene	2.69		0.200	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>

JC 2/1/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	582		0.276	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
trans-1,2-Dichloroethene	2.62		0.572	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		0.508	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		0.280	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		0.700	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		0.317	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Di-isopropyl ether	U		0.140	0.400	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Ethylbenzene	U		0.212	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Isopropylbenzene	U		0.345	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		0.932	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		5.00	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Methylene Chloride	U		2.65	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		0.118	0.400	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Naphthalene	U		1.24	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
n-Propylbenzene	U		0.472	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Styrene	U		1.09	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	UJ	<del>C3 JS</del> 0.270	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Tetrachloroethene	6.79		0.280	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Toluene	U		0.500	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		0.353	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Trichloroethene	52.5		0.160	0.400	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		0.200	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Vinyl chloride	31.5		0.273	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Xylenes, Total	U		1.91	2.60	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Ethyl Ether	U		0.170	1.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Tetrahydrofuran	U		0.900	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Iodomethane	U		2.42	5.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Allyl chloride	U		5.80	10.0	10	12/10/2021 07:04	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	12/10/2021 07:04	<a href="#">WG1786189</a>
(S) Toluene-d8	98.2			75.0-131		12/10/2021 07:04	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	98.6			67.0-138		12/10/2021 07:04	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		12/10/2021 07:04	<a href="#">WG1786189</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 2/1/2022



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	306000		8450	20000	1	12/13/2021 07:32	<a href="#">WG1787997</a>

Sample Narrative:

L1439098-02 WG1787997: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9660		102	1000	1	12/08/2021 18:21	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4480		28.1	100	1	01/12/2022 18:29	<a href="#">WG1798813</a>
Manganese	736		0.704	5.00	1	01/12/2022 18:29	<a href="#">WG1798813</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19400		2.87	6.78	10	12/14/2021 16:03	<a href="#">WG1789234</a>
Ethane	345		0.296	1.29	1	12/14/2021 12:29	<a href="#">WG1786615</a>
Ethene	1130		0.422	1.27	1	12/14/2021 12:29	<a href="#">WG1786615</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>33</del> 34	110	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Acrylonitrile	U		15.2	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Benzene	U		3.20	8.00	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Bromobenzene	U		8.40	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Bromodichloromethane	U		6.30	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Bromoform	U		47.8	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Bromomethane	U		29.6	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
n-Butylbenzene	U		30.6	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
sec-Butylbenzene	U		20.2	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
tert-Butylbenzene	U		12.4	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Carbon tetrachloride	U		8.64	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Chlorobenzene	U		4.58	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Chlorodibromomethane	U		3.60	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Chloroethane	37.8	J	8.64	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Chloroform	U		3.32	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Chloromethane	U		11.1	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
2-Chlorotoluene	U		7.36	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
4-Chlorotoluene	U		9.04	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		4.20	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Dibromomethane	U		8.00	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		11.6	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		13.6	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		15.8	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		6.54	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		4.60	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		3.80	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1-Dichloroethene	21.8		4.00	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>

JC 2/1/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	5330		5.52	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
trans-1,2-Dichloroethene	U		11.4	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		10.2	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		5.60	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		14.0	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		5.42	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		12.2	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		6.34	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Di-isopropyl ether	U		2.80	8.00	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Ethylbenzene	U		4.24	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		102	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Isopropylbenzene	U		6.90	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		18.6	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		100	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Methylene Chloride	U		53.0	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		2.36	8.00	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Naphthalene	U		24.8	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
n-Propylbenzene	U		9.44	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Styrene	U		21.8	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3-	5.40	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Tetrachloroethene	7650		5.60	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Toluene	U		10.0	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		5.00	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		38.6	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		2.20	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		7.06	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Trichloroethene	861		3.20	8.00	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		4.00	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		40.8	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	U		9.28	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		9.20	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		8.64	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Vinyl chloride	3200		5.46	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Xylenes, Total	U		38.2	52.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Ethyl Ether	U		3.40	20.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Tetrahydrofuran	U		18.0	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Iodomethane	U		48.4	100	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Allyl chloride	U		116	200	200	12/10/2021 07:23	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	12/10/2021 07:23	<a href="#">WG1786189</a>
(S) Toluene-d8	106			75.0-131		12/10/2021 07:23	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	97.1			67.0-138		12/10/2021 07:23	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		12/10/2021 07:23	<a href="#">WG1786189</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	77000		8450	20000	1	12/13/2021 07:36	<a href="#">WG1787997</a>

Sample Narrative:

L1439098-03 WG1787997: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	28100		102	1000	1	12/08/2021 18:40	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15100		28.1	100	1	01/12/2022 18:33	<a href="#">WG1798813</a>
Manganese	2780		0.704	5.00	1	01/12/2022 18:33	<a href="#">WG1798813</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21000		2.87	6.78	10	12/14/2021 16:16	<a href="#">WG1789234</a>
Ethane	19.8		0.296	1.29	1	12/14/2021 12:33	<a href="#">WG1786615</a>
Ethene	360		0.422	1.27	1	12/14/2021 12:33	<a href="#">WG1786615</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>JS J4</del>	137	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Acrylonitrile	U		19.0	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Benzene	U		4.00	10.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Bromobenzene	U		10.5	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Bromodichloromethane	U		7.88	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Bromoform	U		59.8	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Bromomethane	U		37.0	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
n-Butylbenzene	U		38.3	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
sec-Butylbenzene	U		25.3	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
tert-Butylbenzene	U		15.5	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Carbon tetrachloride	U		10.8	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Chlorobenzene	U		5.73	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Chlorodibromomethane	U		4.50	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Chloroethane	19.5	J	10.8	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Chloroform	U		4.15	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Chloromethane	U		13.9	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>
2-Chlorotoluene	U		9.20	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
4-Chlorotoluene	U		11.3	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		5.25	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Dibromomethane	U		10.0	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		8.18	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		5.75	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		4.75	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
1,1-Dichloroethene	U		5.00	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>

JC 2/1/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
cis-1,2-Dichloroethene	1810		6.90	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
trans-1,2-Dichloroethene	U		14.3	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2-Dichloropropane	U		12.7	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1-Dichloropropene	U		7.00	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,3-Dichloropropane	U		17.5	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
cis-1,3-Dichloropropene	U		6.78	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
trans-1,3-Dichloropropene	U		15.3	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
2,2-Dichloropropane	U		7.93	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Di-isopropyl ether	U		3.50	10.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Ethylbenzene	U		5.30	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Hexachloro-1,3-butadiene	U		127	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Isopropylbenzene	U		8.63	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
p-Isopropyltoluene	U		23.3	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
2-Butanone (MEK)	U		125	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Methylene Chloride	U		66.3	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
4-Methyl-2-pentanone (MIBK)	U		100	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Methyl tert-butyl ether	U		2.95	10.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Naphthalene	U		31.0	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
n-Propylbenzene	U		11.8	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Styrene	U		27.3	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1,2-Trichlorotrifluoroethane	U	UJ	<u>C3 J3</u>	6.75	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>
Tetrachloroethene	13.3	J	7.00	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Toluene	U		12.5	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2,3-Trichlorobenzene	U		6.25	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2,4-Trichlorobenzene	U		48.3	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1,1-Trichloroethane	U		2.75	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,1,2-Trichloroethane	U		8.83	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Trichloroethene	11.3		4.00	10.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Trichlorofluoromethane	U		5.00	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2,3-Trichloropropane	U		51.0	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2,4-Trimethylbenzene	U		11.6	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,2,3-Trimethylbenzene	U		11.5	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
1,3,5-Trimethylbenzene	U		10.8	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Vinyl chloride	6580		6.82	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Xylenes, Total	U		47.8	65.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Ethyl Ether	U		4.25	25.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Tetrahydrofuran	U		22.5	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Iodomethane	U		60.5	125	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Allyl chloride	U		145	250	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	12/10/2021 07:43	<a href="#">WG1786189</a>	
(S) Toluene-d8	96.9			75.0-131		12/10/2021 07:43	<a href="#">WG1786189</a>	
(S) 4-Bromofluorobenzene	97.4			67.0-138		12/10/2021 07:43	<a href="#">WG1786189</a>	
(S) 1,2-Dichloroethane-d4	106			70.0-130		12/10/2021 07:43	<a href="#">WG1786189</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	755000		8450	20000	1	12/13/2021 07:40	<a href="#">WG1787997</a>

Sample Narrative:

L1439098-04 WG1787997: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	28100		102	1000	1	12/08/2021 19:02	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20900		28.1	100	1	01/12/2022 18:45	<a href="#">WG1798813</a>
Manganese	5520		0.704	5.00	1	01/12/2022 18:45	<a href="#">WG1798813</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23000		2.87	6.78	10	12/14/2021 16:21	<a href="#">WG1789234</a>
Ethane	36.5		0.296	1.29	1	12/14/2021 12:38	<a href="#">WG1786615</a>
Ethene	98.3		0.422	1.27	1	12/14/2021 12:38	<a href="#">WG1786615</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.98	U	<del>B C5 J3 J4</del> 2.74	5.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Acrylonitrile	U		0.380	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Benzene	U		0.0800	0.200	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Bromobenzene	U		0.210	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Bromodichloromethane	U		0.158	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Bromoform	U		1.20	5.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Bromomethane	U		0.740	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
n-Butylbenzene	U		0.765	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
sec-Butylbenzene	U		0.505	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
tert-Butylbenzene	U		0.310	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Carbon tetrachloride	U		0.216	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Chlorobenzene	U		0.115	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.0900	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Chloroethane	7.32		0.216	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Chloroform	U		0.0830	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Chloromethane	U		0.278	2.50	5	12/10/2021 08:02	<a href="#">WG1786189</a>
2-Chlorotoluene	U		0.184	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
4-Chlorotoluene	U		0.226	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		0.105	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Dibromomethane	U		0.200	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		0.290	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		0.340	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		0.394	1.00	5	12/10/2021 08:02	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		0.164	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		0.115	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.0950	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>
1,1-Dichloroethene	0.555		0.100	0.500	5	12/10/2021 08:02	<a href="#">WG1786189</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
cis-1,2-Dichloroethene	304		0.138	0.500	5	12/10/2021 08:02	WG1786189	
trans-1,2-Dichloroethene	2.93		0.286	1.00	5	12/10/2021 08:02	WG1786189	
1,2-Dichloropropane	U		0.254	1.00	5	12/10/2021 08:02	WG1786189	
1,1-Dichloropropene	U		0.140	0.500	5	12/10/2021 08:02	WG1786189	
1,3-Dichloropropane	U		0.350	1.00	5	12/10/2021 08:02	WG1786189	
cis-1,3-Dichloropropene	U		0.136	0.500	5	12/10/2021 08:02	WG1786189	
trans-1,3-Dichloropropene	U		0.306	1.00	5	12/10/2021 08:02	WG1786189	
2,2-Dichloropropane	U		0.159	0.500	5	12/10/2021 08:02	WG1786189	
Di-isopropyl ether	U		0.0700	0.200	5	12/10/2021 08:02	WG1786189	
Ethylbenzene	U		0.106	0.500	5	12/10/2021 08:02	WG1786189	
Hexachloro-1,3-butadiene	U		2.54	5.00	5	12/10/2021 08:02	WG1786189	
Isopropylbenzene	U		0.173	0.500	5	12/10/2021 08:02	WG1786189	
p-Isopropyltoluene	U		0.466	1.00	5	12/10/2021 08:02	WG1786189	
2-Butanone (MEK)	U		2.50	5.00	5	12/10/2021 08:02	WG1786189	
Methylene Chloride	U		1.33	5.00	5	12/10/2021 08:02	WG1786189	
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	12/10/2021 08:02	WG1786189	
Methyl tert-butyl ether	U		0.0590	0.200	5	12/10/2021 08:02	WG1786189	
Naphthalene	U		0.620	2.50	5	12/10/2021 08:02	WG1786189	
n-Propylbenzene	U		0.236	1.00	5	12/10/2021 08:02	WG1786189	
Styrene	U		0.545	2.50	5	12/10/2021 08:02	WG1786189	
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	12/10/2021 08:02	WG1786189	
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	12/10/2021 08:02	WG1786189	
1,1,2-Trichlorotrifluoroethane	U	UJ	<u>C3 J3</u>	0.135	0.500	5	12/10/2021 08:02	WG1786189
Tetrachloroethene	1.33		0.140	0.500	5	12/10/2021 08:02	WG1786189	
Toluene	U		0.250	1.00	5	12/10/2021 08:02	WG1786189	
1,2,3-Trichlorobenzene	U		0.125	2.50	5	12/10/2021 08:02	WG1786189	
1,2,4-Trichlorobenzene	U		0.965	2.50	5	12/10/2021 08:02	WG1786189	
1,1,1-Trichloroethane	U		0.0550	0.500	5	12/10/2021 08:02	WG1786189	
1,1,2-Trichloroethane	U		0.177	0.500	5	12/10/2021 08:02	WG1786189	
Trichloroethene	4.27		0.0800	0.200	5	12/10/2021 08:02	WG1786189	
Trichlorofluoromethane	U		0.100	0.500	5	12/10/2021 08:02	WG1786189	
1,2,3-Trichloropropane	U		1.02	2.50	5	12/10/2021 08:02	WG1786189	
1,2,4-Trimethylbenzene	U		0.232	1.00	5	12/10/2021 08:02	WG1786189	
1,2,3-Trimethylbenzene	U		0.230	1.00	5	12/10/2021 08:02	WG1786189	
1,3,5-Trimethylbenzene	U		0.216	1.00	5	12/10/2021 08:02	WG1786189	
Vinyl chloride	237		0.137	0.500	5	12/10/2021 08:02	WG1786189	
Xylenes, Total	U		0.955	1.30	5	12/10/2021 08:02	WG1786189	
Ethyl Ether	U		0.0850	0.500	5	12/10/2021 08:02	WG1786189	
Tetrahydrofuran	U		0.450	2.50	5	12/10/2021 08:02	WG1786189	
Iodomethane	U		1.21	2.50	5	12/10/2021 08:02	WG1786189	
Allyl chloride	U		2.90	5.00	5	12/10/2021 08:02	WG1786189	
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	12/10/2021 08:02	WG1786189	
(S) Toluene-d8	116			75.0-131		12/10/2021 08:02	WG1786189	
(S) 4-Bromofluorobenzene	99.9			67.0-138		12/10/2021 08:02	WG1786189	
(S) 1,2-Dichloroethane-d4	101			70.0-130		12/10/2021 08:02	WG1786189	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	721000		8450	20000	1	12/14/2021 02:51	<a href="#">WG1788220</a>

Sample Narrative:

L1439098-05 WG1788220: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	24100		102	1000	1	12/08/2021 19:20	<a href="#">WG1785882</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12600		28.1	100	1	01/12/2022 18:48	<a href="#">WG1798813</a>
Manganese	2440		0.704	5.00	1	01/12/2022 18:48	<a href="#">WG1798813</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25200		2.87	6.78	10	12/14/2021 16:26	<a href="#">WG1789234</a>
Ethane	194		0.296	1.29	1	12/14/2021 12:42	<a href="#">WG1786615</a>
Ethene	594		0.422	1.27	1	12/14/2021 12:42	<a href="#">WG1786615</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	27.4	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Acrylonitrile	U		3.80	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Benzene	U		0.800	2.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Bromobenzene	U		2.10	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Bromodichloromethane	U		1.58	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Bromoform	U		12.0	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Bromomethane	U		7.40	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
n-Butylbenzene	U		7.65	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
sec-Butylbenzene	U		5.05	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
tert-Butylbenzene	U		3.10	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Carbon tetrachloride	U		2.16	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Chlorobenzene	U		1.15	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Chlorodibromomethane	U		0.900	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Chloroethane	8.95	J	2.16	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Chloroform	U		0.830	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Chloromethane	U		2.78	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
2-Chlorotoluene	U		1.84	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
4-Chlorotoluene	U		2.26	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2-Dibromoethane	U		1.05	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Dibromomethane	U		2.00	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Dichlorodifluoromethane	U		1.64	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1-Dichloroethane	U		1.15	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2-Dichloroethane	U		0.950	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1-Dichloroethene	4.25	J	1.00	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>

JC 2/1/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2240		1.38	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
trans-1,2-Dichloroethene	29.2		2.86	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2-Dichloropropane	U		2.54	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1-Dichloropropene	U		1.40	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,3-Dichloropropane	U		3.50	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
2,2-Dichloropropane	U		1.59	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Di-isopropyl ether	U		0.700	2.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Ethylbenzene	U		1.06	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Isopropylbenzene	U		1.73	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
p-Isopropyltoluene	U		4.66	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
2-Butanone (MEK)	U		25.0	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Methylene Chloride	U		13.3	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Methyl tert-butyl ether	U		0.590	2.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Naphthalene	U		6.20	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
n-Propylbenzene	U		2.36	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Styrene	U		5.45	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3	1.35	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Tetrachloroethene	17.3		1.40	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Toluene	U		2.50	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2,3-Trichlorobenzene	U		1.25	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,1,2-Trichloroethane	U		1.77	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Trichloroethene	27.6		0.800	2.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Trichlorofluoromethane	U		1.00	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Vinyl chloride	2620		1.36	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Xylenes, Total	U		9.55	13.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Ethyl Ether	U		0.850	5.00	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Tetrahydrofuran	U		4.50	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Iodomethane	U		12.1	25.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Allyl chloride	U		29.0	50.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	12/10/2021 08:21	<a href="#">WG1786189</a>
(S) Toluene-d8	109			75.0-131		12/10/2021 08:21	<a href="#">WG1786189</a>
(S) 4-Bromofluorobenzene	101			67.0-138		12/10/2021 08:21	<a href="#">WG1786189</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/10/2021 08:21	<a href="#">WG1786189</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	116000		8450	20000	1	12/16/2021 09:19	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-01 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	970	U	102	1000	1	12/19/2021 06:07	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15100		28.1	100	1	01/13/2022 00:28	<a href="#">WG1800117</a>
Manganese	481		0.704	5.00	1	01/13/2022 00:28	<a href="#">WG1800117</a>

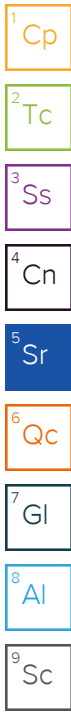
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	89.9		0.287	0.678	1	12/17/2021 10:55	<a href="#">WG1790995</a>
Ethane	U		0.296	1.29	1	12/17/2021 10:55	<a href="#">WG1790995</a>
Ethene	U		0.422	1.27	1	12/17/2021 10:55	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Acrylonitrile	U		0.0760	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Benzene	U		0.0160	0.0400	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Bromobenzene	U		0.0420	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Bromodichloromethane	U		0.0315	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Bromoform	U		0.239	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Bromomethane	U		0.148	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
n-Butylbenzene	U		0.153	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
sec-Butylbenzene	U		0.101	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Chlorobenzene	U		0.0229	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Chloroethane	U		0.0432	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Chloroform	U		0.0166	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Chloromethane	U		0.0556	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Dibromomethane	U		0.0400	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
2,2-Dichloropropane	U	J4	0.0317	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Ethylbenzene	0.158		0.0212	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Isopropylbenzene	U		0.0345	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Methylene Chloride	U		0.265	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Naphthalene	U	UJ C3	0.124	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
n-Propylbenzene	U		0.0472	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Styrene	U		0.109	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Tetrachloroethene	U		0.0280	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Toluene	U		0.0500	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Trichloroethene	U		0.0160	0.0400	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Vinyl chloride	U		0.0273	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Xylenes, Total	0.784		0.191	0.260	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Ethyl Ether	U		0.0170	0.100	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Tetrahydrofuran	U		0.0900	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Iodomethane	U		0.242	0.500	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Allyl chloride	U		0.580	1.00	1	12/11/2021 23:28	<a href="#">WG1787937</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/11/2021 23:28	<a href="#">WG1787937</a>
(S) Toluene-d8	97.2			75.0-131		12/11/2021 23:28	<a href="#">WG1787937</a>
(S) 4-Bromofluorobenzene	99.1			67.0-138		12/11/2021 23:28	<a href="#">WG1787937</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/11/2021 23:28	<a href="#">WG1787937</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	161000		8450	20000	1	12/16/2021 09:29	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-02 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1280	<del>B</del>	102	1000	1	12/19/2021 07:21	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6820		28.1	100	1	01/13/2022 00:32	<a href="#">WG1800117</a>
Manganese	414		0.704	5.00	1	01/13/2022 00:32	<a href="#">WG1800117</a>

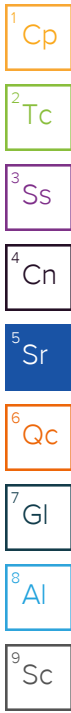
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	174		0.287	0.678	1	12/17/2021 11:03	<a href="#">WG1790995</a>
Ethane	U		0.296	1.29	1	12/17/2021 11:03	<a href="#">WG1790995</a>
Ethene	8.20		0.422	1.27	1	12/17/2021 11:03	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Acrylonitrile	U		0.0760	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Benzene	U		0.0160	0.0400	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Bromobenzene	U		0.0420	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Bromodichloromethane	U		0.0315	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Bromoform	U		0.239	1.00	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Bromomethane	U		0.148	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
n-Butylbenzene	U		0.153	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
sec-Butylbenzene	U		0.101	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Chlorobenzene	U		0.0229	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Chloroethane	U		0.0432	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Chloroform	U		0.0166	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Chloromethane	U		0.0556	0.500	1	12/17/2021 03:14	<a href="#">WG1790660</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Dibromomethane	U		0.0400	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/17/2021 03:14	<a href="#">WG1790660</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/17/2021 03:14	<a href="#">WG1790660</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.115		0.0276	0.100	1	12/17/2021 03:14	WG1790660
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/17/2021 03:14	WG1790660
1,2-Dichloropropane	U		0.0508	0.200	1	12/17/2021 03:14	WG1790660
1,1-Dichloropropene	U		0.0280	0.100	1	12/17/2021 03:14	WG1790660
1,3-Dichloropropane	U		0.0700	0.200	1	12/17/2021 03:14	WG1790660
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/17/2021 03:14	WG1790660
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/17/2021 03:14	WG1790660
2,2-Dichloropropane	U		0.0317	0.100	1	12/17/2021 03:14	WG1790660
Di-isopropyl ether	U		0.0140	0.0400	1	12/17/2021 03:14	WG1790660
Ethylbenzene	0.0670	U	0.0212	0.100	1	12/17/2021 03:14	WG1790660
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/17/2021 03:14	WG1790660
Isopropylbenzene	U		0.0345	0.100	1	12/17/2021 03:14	WG1790660
p-Isopropyltoluene	U		0.0932	0.200	1	12/17/2021 03:14	WG1790660
2-Butanone (MEK)	U		0.500	1.00	1	12/17/2021 03:14	WG1790660
Methylene Chloride	U		0.265	1.00	1	12/17/2021 03:14	WG1790660
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/17/2021 03:14	WG1790660
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/17/2021 03:14	WG1790660
Naphthalene	U		0.124	0.500	1	12/17/2021 03:14	WG1790660
n-Propylbenzene	U		0.0472	0.200	1	12/17/2021 03:14	WG1790660
Styrene	U		0.109	0.500	1	12/17/2021 03:14	WG1790660
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/17/2021 03:14	WG1790660
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/17/2021 03:14	WG1790660
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/17/2021 03:14	WG1790660
Tetrachloroethene	U		0.0280	0.100	1	12/17/2021 03:14	WG1790660
Toluene	0.0910	U	0.0500	0.200	1	12/17/2021 03:14	WG1790660
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/17/2021 03:14	WG1790660
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/17/2021 03:14	WG1790660
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/17/2021 03:14	WG1790660
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/17/2021 03:14	WG1790660
Trichloroethene	U		0.0160	0.0400	1	12/17/2021 03:14	WG1790660
Trichlorofluoromethane	U		0.0200	0.100	1	12/17/2021 03:14	WG1790660
1,2,3-Trichloropropane	U		0.204	0.500	1	12/17/2021 03:14	WG1790660
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/17/2021 03:14	WG1790660
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/17/2021 03:14	WG1790660
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/17/2021 03:14	WG1790660
Vinyl chloride	1.15		0.0273	0.100	1	12/17/2021 03:14	WG1790660
Xylenes, Total	0.462		0.191	0.260	1	12/17/2021 03:14	WG1790660
Ethyl Ether	U		0.0170	0.100	1	12/17/2021 03:14	WG1790660
Tetrahydrofuran	0.540		0.0900	0.500	1	12/17/2021 03:14	WG1790660
Iodomethane	U		0.242	0.500	1	12/17/2021 03:14	WG1790660
Allyl chloride	U		0.580	1.00	1	12/17/2021 03:14	WG1790660
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/17/2021 03:14	WG1790660
(S) Toluene-d8	99.2			75.0-131		12/17/2021 03:14	WG1790660
(S) 4-Bromofluorobenzene	99.5			67.0-138		12/17/2021 03:14	WG1790660
(S) 1,2-Dichloroethane-d4	97.0			70.0-130		12/17/2021 03:14	WG1790660

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	157000		8450	20000	1	12/16/2021 09:35	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-03 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1660	<del>B</del>	102	1000	1	12/19/2021 07:42	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3840		28.1	100	1	01/13/2022 00:35	<a href="#">WG1800117</a>
Manganese	433		0.704	5.00	1	01/13/2022 00:35	<a href="#">WG1800117</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1210		0.287	0.678	1	12/17/2021 11:07	<a href="#">WG1790995</a>
Ethane	U		0.296	1.29	1	12/17/2021 11:07	<a href="#">WG1790995</a>
Ethene	U		0.422	1.27	1	12/17/2021 11:07	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.6		0.548	1.00	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Acrylonitrile	U		0.0760	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Benzene	U		0.0160	0.0400	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Bromobenzene	U		0.0420	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Bromodichloromethane	U		0.0315	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Bromoform	U		0.239	1.00	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Bromomethane	U		0.148	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
n-Butylbenzene	U		0.153	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
sec-Butylbenzene	U		0.101	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Chlorobenzene	U		0.0229	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Chloroethane	U		0.0432	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Chloroform	U		0.0166	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Chloromethane	U		0.0556	0.500	1	12/17/2021 03:34	<a href="#">WG1790660</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Dibromomethane	U		0.0400	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/17/2021 03:34	<a href="#">WG1790660</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/17/2021 03:34	<a href="#">WG1790660</a>

JC 2/1/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	12/17/2021 03:34	WG1790660
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/17/2021 03:34	WG1790660
1,2-Dichloropropane	U		0.0508	0.200	1	12/17/2021 03:34	WG1790660
1,1-Dichloropropene	U		0.0280	0.100	1	12/17/2021 03:34	WG1790660
1,3-Dichloropropane	U		0.0700	0.200	1	12/17/2021 03:34	WG1790660
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/17/2021 03:34	WG1790660
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/17/2021 03:34	WG1790660
2,2-Dichloropropane	U		0.0317	0.100	1	12/17/2021 03:34	WG1790660
Di-isopropyl ether	U		0.0140	0.0400	1	12/17/2021 03:34	WG1790660
Ethylbenzene	0.0810	U	0.0212	0.100	1	12/17/2021 03:34	WG1790660
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/17/2021 03:34	WG1790660
Isopropylbenzene	U		0.0345	0.100	1	12/17/2021 03:34	WG1790660
p-Isopropyltoluene	U		0.0932	0.200	1	12/17/2021 03:34	WG1790660
2-Butanone (MEK)	U		0.500	1.00	1	12/17/2021 03:34	WG1790660
Methylene Chloride	U		0.265	1.00	1	12/17/2021 03:34	WG1790660
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/17/2021 03:34	WG1790660
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/17/2021 03:34	WG1790660
Naphthalene	U		0.124	0.500	1	12/17/2021 03:34	WG1790660
n-Propylbenzene	U		0.0472	0.200	1	12/17/2021 03:34	WG1790660
Styrene	U		0.109	0.500	1	12/17/2021 03:34	WG1790660
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/17/2021 03:34	WG1790660
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/17/2021 03:34	WG1790660
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/17/2021 03:34	WG1790660
Tetrachloroethene	U		0.0280	0.100	1	12/17/2021 03:34	WG1790660
Toluene	0.0600	U	0.0500	0.200	1	12/17/2021 03:34	WG1790660
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/17/2021 03:34	WG1790660
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/17/2021 03:34	WG1790660
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/17/2021 03:34	WG1790660
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/17/2021 03:34	WG1790660
Trichloroethene	U		0.0160	0.0400	1	12/17/2021 03:34	WG1790660
Trichlorofluoromethane	U		0.0200	0.100	1	12/17/2021 03:34	WG1790660
1,2,3-Trichloropropane	U		0.204	0.500	1	12/17/2021 03:34	WG1790660
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/17/2021 03:34	WG1790660
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/17/2021 03:34	WG1790660
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/17/2021 03:34	WG1790660
Vinyl chloride	0.520		0.0273	0.100	1	12/17/2021 03:34	WG1790660
Xylenes, Total	0.450		0.191	0.260	1	12/17/2021 03:34	WG1790660
Ethyl Ether	U		0.0170	0.100	1	12/17/2021 03:34	WG1790660
Tetrahydrofuran	U		0.0900	0.500	1	12/17/2021 03:34	WG1790660
Iodomethane	U		0.242	0.500	1	12/17/2021 03:34	WG1790660
Allyl chloride	U		0.580	1.00	1	12/17/2021 03:34	WG1790660
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/17/2021 03:34	WG1790660
(S) Toluene-d8	97.6			75.0-131		12/17/2021 03:34	WG1790660
(S) 4-Bromofluorobenzene	97.4			67.0-138		12/17/2021 03:34	WG1790660
(S) 1,2-Dichloroethane-d4	96.2			70.0-130		12/17/2021 03:34	WG1790660

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 2/1/2022

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	320000		8450	20000	1	12/16/2021 09:41	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-04 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2890	<u>B</u>	102	1000	1	12/19/2021 08:44	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12200		28.1	100	1	01/12/2022 22:27	<a href="#">WG1800119</a>
Manganese	537		0.704	5.00	1	01/12/2022 22:27	<a href="#">WG1800119</a>

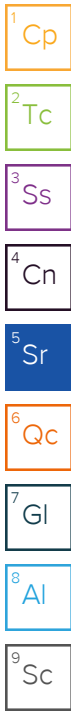
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	866		0.287	0.678	1	12/17/2021 11:11	<a href="#">WG1790995</a>
Ethane	U		0.296	1.29	1	12/17/2021 11:11	<a href="#">WG1790995</a>
Ethene	U		0.422	1.27	1	12/17/2021 11:11	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Acrylonitrile	U		0.0760	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Benzene	U		0.0160	0.0400	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Bromobenzene	U		0.0420	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Bromodichloromethane	U		0.0315	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Bromoform	U		0.239	1.00	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Bromomethane	U		0.148	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
n-Butylbenzene	U		0.153	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
sec-Butylbenzene	U		0.101	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Chlorobenzene	U		0.0229	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Chloroethane	U		0.0432	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Chloroform	U		0.0166	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Chloromethane	U		0.0556	0.500	1	12/17/2021 03:53	<a href="#">WG1790660</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Dibromomethane	U		0.0400	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/17/2021 03:53	<a href="#">WG1790660</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/17/2021 03:53	<a href="#">WG1790660</a>

JC 2/1/2022





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0510	U	0.0276	0.100	1	12/17/2021 03:53	WG1790660
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/17/2021 03:53	WG1790660
1,2-Dichloropropane	U		0.0508	0.200	1	12/17/2021 03:53	WG1790660
1,1-Dichloropropene	U		0.0280	0.100	1	12/17/2021 03:53	WG1790660
1,3-Dichloropropane	U		0.0700	0.200	1	12/17/2021 03:53	WG1790660
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/17/2021 03:53	WG1790660
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/17/2021 03:53	WG1790660
2,2-Dichloropropane	U		0.0317	0.100	1	12/17/2021 03:53	WG1790660
Di-isopropyl ether	U		0.0140	0.0400	1	12/17/2021 03:53	WG1790660
Ethylbenzene	0.139		0.0212	0.100	1	12/17/2021 03:53	WG1790660
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/17/2021 03:53	WG1790660
Isopropylbenzene	U		0.0345	0.100	1	12/17/2021 03:53	WG1790660
p-Isopropyltoluene	U		0.0932	0.200	1	12/17/2021 03:53	WG1790660
2-Butanone (MEK)	U		0.500	1.00	1	12/17/2021 03:53	WG1790660
Methylene Chloride	U		0.265	1.00	1	12/17/2021 03:53	WG1790660
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/17/2021 03:53	WG1790660
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/17/2021 03:53	WG1790660
Naphthalene	U		0.124	0.500	1	12/17/2021 03:53	WG1790660
n-Propylbenzene	U		0.0472	0.200	1	12/17/2021 03:53	WG1790660
Styrene	U		0.109	0.500	1	12/17/2021 03:53	WG1790660
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/17/2021 03:53	WG1790660
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/17/2021 03:53	WG1790660
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/17/2021 03:53	WG1790660
Tetrachloroethene	U		0.0280	0.100	1	12/17/2021 03:53	WG1790660
Toluene	0.0790	U T	0.0500	0.200	1	12/17/2021 03:53	WG1790660
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/17/2021 03:53	WG1790660
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/17/2021 03:53	WG1790660
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/17/2021 03:53	WG1790660
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/17/2021 03:53	WG1790660
Trichloroethene	0.0700		0.0160	0.0400	1	12/17/2021 03:53	WG1790660
Trichlorofluoromethane	U		0.0200	0.100	1	12/17/2021 03:53	WG1790660
1,2,3-Trichloropropane	U		0.204	0.500	1	12/17/2021 03:53	WG1790660
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/17/2021 03:53	WG1790660
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/17/2021 03:53	WG1790660
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/17/2021 03:53	WG1790660
Vinyl chloride	0.243		0.0273	0.100	1	12/17/2021 03:53	WG1790660
Xylenes, Total	0.947		0.191	0.260	1	12/17/2021 03:53	WG1790660
Ethyl Ether	U		0.0170	0.100	1	12/17/2021 03:53	WG1790660
Tetrahydrofuran	U		0.0900	0.500	1	12/17/2021 03:53	WG1790660
Iodomethane	U		0.242	0.500	1	12/17/2021 03:53	WG1790660
Allyl chloride	U		0.580	1.00	1	12/17/2021 03:53	WG1790660
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/17/2021 03:53	WG1790660
(S) Toluene-d8	97.8			75.0-131		12/17/2021 03:53	WG1790660
(S) 4-Bromofluorobenzene	99.9			67.0-138		12/17/2021 03:53	WG1790660
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		12/17/2021 03:53	WG1790660

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 2/1/2022



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	317000		8450	20000	1	12/16/2021 09:46	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-05 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3300	<del>B</del>	102	1000	1	12/19/2021 09:21	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12200		28.1	100	1	01/12/2022 22:40	<a href="#">WG1800119</a>
Manganese	540		0.704	5.00	1	01/12/2022 22:40	<a href="#">WG1800119</a>

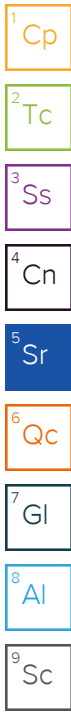
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1010		0.287	0.678	1	12/17/2021 11:17	<a href="#">WG1790995</a>
Ethane	U		0.296	1.29	1	12/17/2021 11:17	<a href="#">WG1790995</a>
Ethene	U		0.422	1.27	1	12/17/2021 11:17	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Acrylonitrile	U		0.0760	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Benzene	0.0190	J	0.0160	0.0400	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Bromobenzene	U		0.0420	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Bromodichloromethane	U		0.0315	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Bromoform	U		0.239	1.00	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Bromomethane	U		0.148	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
n-Butylbenzene	U		0.153	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
sec-Butylbenzene	U		0.101	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Chlorobenzene	U		0.0229	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Chloroethane	U		0.0432	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Chloroform	U		0.0166	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Chloromethane	U		0.0556	0.500	1	12/17/2021 04:12	<a href="#">WG1790660</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Dibromomethane	U		0.0400	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/17/2021 04:12	<a href="#">WG1790660</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>
1,1-Dichloroethene	U		0.0200	0.100	1	12/17/2021 04:12	<a href="#">WG1790660</a>

JC 2/1/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0670	U	0.0276	0.100	1	12/17/2021 04:12	WG1790660
trans-1,2-Dichloroethene	U		0.0572	0.200	1	12/17/2021 04:12	WG1790660
1,2-Dichloropropane	U		0.0508	0.200	1	12/17/2021 04:12	WG1790660
1,1-Dichloropropene	U		0.0280	0.100	1	12/17/2021 04:12	WG1790660
1,3-Dichloropropane	U		0.0700	0.200	1	12/17/2021 04:12	WG1790660
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/17/2021 04:12	WG1790660
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/17/2021 04:12	WG1790660
2,2-Dichloropropane	U		0.0317	0.100	1	12/17/2021 04:12	WG1790660
Di-isopropyl ether	U		0.0140	0.0400	1	12/17/2021 04:12	WG1790660
Ethylbenzene	0.189		0.0212	0.100	1	12/17/2021 04:12	WG1790660
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/17/2021 04:12	WG1790660
Isopropylbenzene	U		0.0345	0.100	1	12/17/2021 04:12	WG1790660
p-Isopropyltoluene	U		0.0932	0.200	1	12/17/2021 04:12	WG1790660
2-Butanone (MEK)	U		0.500	1.00	1	12/17/2021 04:12	WG1790660
Methylene Chloride	U		0.265	1.00	1	12/17/2021 04:12	WG1790660
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/17/2021 04:12	WG1790660
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/17/2021 04:12	WG1790660
Naphthalene	U		0.124	0.500	1	12/17/2021 04:12	WG1790660
n-Propylbenzene	U		0.0472	0.200	1	12/17/2021 04:12	WG1790660
Styrene	0.118	U	0.109	0.500	1	12/17/2021 04:12	WG1790660
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/17/2021 04:12	WG1790660
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/17/2021 04:12	WG1790660
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/17/2021 04:12	WG1790660
Tetrachloroethene	U		0.0280	0.100	1	12/17/2021 04:12	WG1790660
Toluene	0.0830	U	0.0500	0.200	1	12/17/2021 04:12	WG1790660
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/17/2021 04:12	WG1790660
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/17/2021 04:12	WG1790660
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/17/2021 04:12	WG1790660
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/17/2021 04:12	WG1790660
Trichloroethene	0.0640		0.0160	0.0400	1	12/17/2021 04:12	WG1790660
Trichlorofluoromethane	U		0.0200	0.100	1	12/17/2021 04:12	WG1790660
1,2,3-Trichloropropane	U		0.204	0.500	1	12/17/2021 04:12	WG1790660
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/17/2021 04:12	WG1790660
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/17/2021 04:12	WG1790660
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/17/2021 04:12	WG1790660
Vinyl chloride	0.298		0.0273	0.100	1	12/17/2021 04:12	WG1790660
Xylenes, Total	1.07		0.191	0.260	1	12/17/2021 04:12	WG1790660
Ethyl Ether	U		0.0170	0.100	1	12/17/2021 04:12	WG1790660
Tetrahydrofuran	0.517		0.0900	0.500	1	12/17/2021 04:12	WG1790660
Iodomethane	U		0.242	0.500	1	12/17/2021 04:12	WG1790660
Allyl chloride	U		0.580	1.00	1	12/17/2021 04:12	WG1790660
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/17/2021 04:12	WG1790660
(S) Toluene-d8	97.1			75.0-131		12/17/2021 04:12	WG1790660
(S) 4-Bromofluorobenzene	97.9			67.0-138		12/17/2021 04:12	WG1790660
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		12/17/2021 04:12	WG1790660

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	964000		8450	20000	1	12/16/2021 09:51	<a href="#">WG1790186</a>

Sample Narrative:

L1441174-06 WG1790186: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	35600		102	1000	1	12/19/2021 09:47	<a href="#">WG1791685</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	30100		28.1	100	1	01/12/2022 22:43	<a href="#">WG1800119</a>
Manganese	6260		7.04	50.0	10	01/13/2022 00:43	<a href="#">WG1800119</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25300		2.87	6.78	10	12/17/2021 16:26	<a href="#">WG1791392</a>
Ethane	517		0.296	1.29	1	12/17/2021 11:21	<a href="#">WG1790995</a>
Ethene	867		0.422	1.27	1	12/17/2021 11:21	<a href="#">WG1790995</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.41	U	0.548	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Acrylonitrile	U		0.0760	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Benzene	0.104		0.0160	0.0400	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Bromobenzene	U		0.0420	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Bromodichloromethane	U		0.0315	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Bromoform	U		0.239	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Bromomethane	U		0.148	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
n-Butylbenzene	U		0.153	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
sec-Butylbenzene	U		0.101	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
tert-Butylbenzene	U		0.0620	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Carbon tetrachloride	U		0.0432	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Chlorobenzene	U		0.0229	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Chlorodibromomethane	U		0.0180	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Chloroethane	U		0.0432	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Chloroform	U		0.0166	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Chloromethane	U		0.0556	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
2-Chlorotoluene	U		0.0368	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
4-Chlorotoluene	U		0.0452	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2-Dibromoethane	U		0.0210	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Dibromomethane	U		0.0400	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1-Dichloroethane	U		0.0230	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2-Dichloroethane	U		0.0190	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1-Dichloroethene	0.593		0.0200	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>

JC 2/1/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	339		1.38	5.00	50	12/19/2021 01:19	<a href="#">WG1791059</a>
trans-1,2-Dichloroethene	4.41		0.0572	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2-Dichloropropane	U		0.0508	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1-Dichloropropene	U		0.0280	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,3-Dichloropropane	U		0.0700	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
2,2-Dichloropropane	U		0.0317	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Di-isopropyl ether	U		0.0140	0.0400	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Ethylbenzene	0.171		0.0212	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Isopropylbenzene	U		0.0345	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
p-Isopropyltoluene	U		0.0932	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
2-Butanone (MEK)	U		0.500	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Methylene Chloride	U		0.265	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Naphthalene	U		0.124	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
n-Propylbenzene	U		0.0472	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Styrene	U		0.109	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Tetrachloroethene	U		0.0280	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Toluene	0.209		0.0500	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Trichloroethene	0.0990		0.0160	0.0400	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Trichlorofluoromethane	U		0.0200	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Vinyl chloride	723		1.36	5.00	50	12/19/2021 01:19	<a href="#">WG1791059</a>
Xylenes, Total	0.866		0.191	0.260	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Ethyl Ether	U		0.0170	0.100	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Tetrahydrofuran	1.74		0.0900	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Iodomethane	U		0.242	0.500	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Allyl chloride	U		0.580	1.00	1	12/17/2021 06:08	<a href="#">WG1790660</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	12/17/2021 06:08	<a href="#">WG1790660</a>
(S) Toluene-d8	96.1			75.0-131		12/17/2021 06:08	<a href="#">WG1790660</a>
(S) Toluene-d8	102			75.0-131		12/19/2021 01:19	<a href="#">WG1791059</a>
(S) 4-Bromofluorobenzene	94.7			67.0-138		12/17/2021 06:08	<a href="#">WG1790660</a>
(S) 4-Bromofluorobenzene	103			67.0-138		12/19/2021 01:19	<a href="#">WG1791059</a>
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		12/17/2021 06:08	<a href="#">WG1790660</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		12/19/2021 01:19	<a href="#">WG1791059</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

## MEMORANDUM

**TO:** Project File **DATE:** January 31, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Q4, 2021. Group 7 - Anions

**PROJECT #:** 443017-1413001.02.501.07

**PROJECT #:** 443017-1413001.05.601

**TASK:** EIM Data Validation Level EPA2A for 4<sup>th</sup> Quarter 2021 – Groundwater Samples

**LAB:** Fremont Work Order Numbers: 2111426, 2111444, 2112109, and 2112132

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Twenty-two groundwater samples including two field duplicates and one equipment blank were collected as part of the 4<sup>th</sup> Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in November-December 2021. The samples were shipped and delivered to Fremont Analytical (Fremont) of Seattle, WA for laboratory analysis. Selected samples were analyzed for the following:

- General Chemistry - anions (chloride, nitrate (as N), and sulfate) by USEPA Method 300.0

The fourth quarter of RI sampling was conducted November – December 2021. Results are reported in multiple Work Orders from Fremont (this includes Work Orders provided by subcontractor Analytical Resources, Inc.) as well as results reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Work Orders or SDGs are reviewed in groups (less than 10 Work Orders or SDGs) for each data validation report. Group 7 analytical results for anions are reported in Fremont Work Orders 2111426, 2111444, 2112109, and 2112132. The quality assurance review of the laboratory data associated with Group 7 anions is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Fremont control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (2020).

### DATA VALIDATION

## Completeness

All samples were collected and analyzed as requested.

## Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered to the analytical laboratory. Samples were received within the EPA recommended preservation temperature of 6°C. No data were qualified based upon the sample collection and preservation information.

## Holding Times

### *General Chemistry (Chloride, Nitrate, and Sulfate):*

The samples were analyzed within the USEPA recommended holding time for nitrate (48 hours), chloride (28 days), and sulfate (28 days) from the date of sample collection. All holding time criteria are met with the following exceptions:

- Work Order 2111426: Nitrate (as N) batch QC duplicate and matrix spike samples (34518) were performed outside of holding time. No action is taken on this basis since batch QC was performed on a non-client sample.
- Work Order 2111444: Samples were collected on November 19 and analyzed significantly outside of holding time on December 10, 2021, due to ongoing issues with the ion chromatography instrument at the Fremont facility. All nitrate (as N) results are laboratory qualified (H) due to the holding time exceedance. **Non-detect nitrate results for samples MW-170-111921 and MW-171-111921 are rejected (R) due to gross holding time exceedance. Detected nitrate result for sample MW-172-111921 is estimated with negative bias (J-) due to gross holding time exceedance. Detected nitrate result for sample MW-169-111921 is estimated (J) due to gross holding time exceedance and no bias is assigned since the result is less than the RL.**
- Work Order 2112109: One sample was analyzed for nitrate (as N) a few hours past recommended holding time and are laboratory qualified (H). **Nitrate result (analyzed on December 9, 2021) for sample MW-153-120721 is estimated and qualified (J). Nitrate result (analyzed on December 8, 2021) for sample MW-153-120721 is qualified as do not report (DNR) because the nitrate sample result, from December 9 has a lower reporting limit. Refer to Quantitation Limits section for additional discussion.**

## Initial and Continuing Calibration

Initial calibration verification (ICV) and continuing calibration verification (CCV) data for this project are retained by the laboratory and available for review if necessary. These data were not provided nor requested for this project however Fremont indicated within the laboratory report that calibration criteria were not met for the following:

Calibration data for this project are not required for this deliverable and Fremont's notes do not indicate that there are any issues with the analysis with the following discussion:

- Work Order 2111426: Chloride continuing calibration verification (CCV) criteria are not met for MW-961-111821, MW113-111821, MW116-111821, MW115-111821, and MW-156-111821. **Chloride results for the above listed samples are estimated (J) because CCV criteria is below acceptance criteria. No bias is assigned since chloride results are laboratory qualified (E) because they exceed the quantitation range.** Refer to Quantitation Limits section for additional details.

### **Method Blank Results**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

A laboratory method blank was included with the analytical batch per method requirement. The target analytes were not detected in the method blanks at or above the RLs.

### **Trip Blank Results**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

A trip blank is not required.

### **Field, Rinsate, or Equipment Blank Results**

One equipment blank (EQ-120821 associated with SDG 2112132) was collected. Details are as follows:

The equipment blank (EQ-120821) is associated with all samples collected from the bladder pump on December 8, 2021. Specifically, the equipment blank is associated with samples MW-963-120821, MW-158A-120821, and MW-143-120821. No target analytes (chloride, nitrate (as N), and sulfate) are detected in the equipment blank.

### **Field Duplicate Analyses**

A field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- Work Order 2111426: Sample MW113-111821 and field duplicate MW-961-111821
- Work Order 2112132: Sample MW-158A-120821 and field duplicate MW-963-120821.

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pairs with the following discussion:

- Work Order 2112132: For sample MW-158A-120821 note that the nitrate reporting limit is at 0.10 mg/L and lower than the field duplicate sample MW-963-120821 which as a reporting limit of 0.500 mg/L due to a 5X dilution. No action is taken other than to note this.

## **Laboratory Duplicate Analyses**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

Laboratory duplicate analysis were performed on client and on non-client samples within the analytical batches. Target compound results are comparable and within an RPD of 20%.

## **Laboratory Control Samples**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

An LCS was analyzed by the USEPA Method 300.0 along with each analytical batch. The LCS %R for the control analyte is within the laboratory control criteria with the following discussion:

- Work Order 2111426: An LCS was not analyzed with the analytical batch 34518. Fremont provided initial calibration verification and continuing calibration verification which have similar spike concentrations as the LCS (0.75 mg/L) in Work Order 2111444.

## **Matrix Spike/Matrix Spike Duplicates**

*General Chemistry (Chloride, Nitrate, and Sulfate):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- Multiple Work Orders: Matrix spikes were performed on client and on non-client samples. Sulfate and chloride spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. No action is taken for associated client samples since the sample concentration is greater than 4X the spike amount. No action is taken on non-client samples within the analytical batch.
- Work Order 2111426: Sulfate MS % recovery on sample MW115-111821 is above laboratory acceptance criteria. No action is taken on this basis since the sample concentration is 4X greater than the spike amount. Refer to Quantitation Limits section for additional information.

## **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory reports with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered into the EDDs.

## **Quantitation Limits**

The RLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes with the following discussion:



- Work Orders 2111426 and 2111444: Fremont indicated (Email to PES on November 24, 2021) that the ion chromatography instrument performing anions analyses was not working correctly and the laboratory could not reanalyze elevated chloride and sulfate detections at required dilutions. This issue also impacted several Work Orders in Group 1 and as a result anions in Group 4 were subcontracted to another laboratory. By December 7, 2021, it appears that the issue was resolved and Work Orders 2112109 and 2112132 are not impacted. Refer to Quantitation Limits section for more information.
- Work Order 2111426: All associated sample chloride results are laboratory qualified (E) because the results exceed the quantitation range and samples were not diluted due to issues with the instrument. **Chloride results for all associated samples are estimated and qualified (J).**
- Work Order 2111426: Sample MW115-111821 sulfate result is laboratory qualified (E) because the result exceeds the quantitation range and samples were not diluted due to issues with the instrument. **Sulfate result for sample MW115-111821 is estimated and qualified (J).**

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following comments:

- Work Order 2111444: **Non-detect nitrate (as N) results for samples MW-170-111921 and MW-171-111921 are rejected (R) due to gross holding time exceedance.**
- Work Order 2111444: **Nitrate result (analyzed on December 8, 2021) for sample MW-153-120721 is qualified as do not report (DNR) because the nitrate sample result, from December 9, 2021 has a lower reporting limit.**



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111426-001

**Collection Date:** 11/18/2021 9:45:00 AM

**Client Sample ID:** MW-181-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	123 J	0.500	DE	mg/L	5	11/20/2021 4:15:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 4:15:00 AM
Sulfate	3.32	3.00	D	mg/L	5	11/20/2021 4:15:00 AM

**Lab ID:** 2111426-002

**Collection Date:** 11/18/2021 2:25:00 PM

**Client Sample ID:** MW-182-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	395 J	0.500	DE	mg/L	5	11/20/2021 4:38:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 4:38:00 AM
Sulfate	3.36	3.00	D	mg/L	5	11/20/2021 4:38:00 AM

**Lab ID:** 2111426-003

**Collection Date:** 11/18/2021 11:50:00 AM

**Client Sample ID:** MW-183-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	95.3 J	0.500	DE	mg/L	5	11/20/2021 5:01:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 5:01:00 AM
Sulfate	22.4	3.00	D	mg/L	5	11/20/2021 5:01:00 AM

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111426-004

**Collection Date:** 11/18/2021 1:45:00 PM

**Client Sample ID:** MW-184-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	19.9 J	0.500	DE	mg/L	5	11/20/2021 5:24:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 5:24:00 AM
Sulfate	34.3	3.00	D	mg/L	5	11/20/2021 5:24:00 AM

**Lab ID:** 2111426-005

**Collection Date:** 11/18/2021 10:50:00 AM

**Client Sample ID:** MW-185-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	98.0 J	0.500	DE	mg/L	5	11/20/2021 5:47:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 5:47:00 AM
Sulfate	1.58	3.00	DJ	mg/L	5	11/20/2021 5:47:00 AM

**Lab ID:** 2111426-006

**Collection Date:** 11/18/2021 12:45:00 PM

**Client Sample ID:** MW-186-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	101 J	0.500	DE	mg/L	5	11/20/2021 6:10:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 6:10:00 AM
Sulfate	1.49	3.00	DJ	mg/L	5	11/20/2021 6:10:00 AM

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111426-007

**Collection Date:** 11/18/2021 1:00:00 PM

**Client Sample ID:** MW-187-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	75.3 J	0.500	DE	mg/L	5	11/20/2021 6:33:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 6:33:00 AM
Sulfate	9.70	3.00	D	mg/L	5	11/20/2021 6:33:00 AM

**Lab ID:** 2111426-008

**Collection Date:** 11/18/2021 3:35:00 PM

**Client Sample ID:** MW-188-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	39.6 J	0.500	DE	mg/L	5	11/20/2021 6:56:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 6:56:00 AM
Sulfate	23.6	3.00	D	mg/L	5	11/20/2021 6:56:00 AM

**Lab ID:** 2111426-009

**Collection Date:** 11/18/2021 8:30:00 AM

**Client Sample ID:** MW-961-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	30.4 J	0.500	DEQ	mg/L	5	11/20/2021 8:05:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 8:05:00 AM
Sulfate	58.5	3.00	D	mg/L	5	11/20/2021 8:05:00 AM

**NOTES:**

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria (See CCV D)

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111426-010

**Collection Date:** 11/18/2021 9:25:00 AM

**Client Sample ID:** MW113-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	30.4 J	0.500	DEQ	mg/L	5	11/20/2021 8:28:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 8:28:00 AM
Sulfate	58.5	3.00	D	mg/L	5	11/20/2021 8:28:00 AM

**NOTES:**

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria (See CCV D)

**Lab ID:** 2111426-011

**Collection Date:** 11/18/2021 11:15:00 AM

**Client Sample ID:** MW116-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	29.1 J	0.500	DEQ	mg/L	5	11/20/2021 8:51:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 8:51:00 AM
Sulfate	8.40	3.00	D	mg/L	5	11/20/2021 8:51:00 AM

**NOTES:**

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria (See CCV D)

**Lab ID:** 2111426-012

**Collection Date:** 11/18/2021 12:20:00 PM

**Client Sample ID:** MW115-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	27.2 J	0.500	DEQ	mg/L	5	11/20/2021 9:14:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 9:14:00 AM
Sulfate	79.8 J	3.00	DE	mg/L	5	11/20/2021 9:14:00 AM

**NOTES:**

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria (See CCV D)

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111426-013

**Collection Date:** 11/18/2021 2:35:00 PM

**Client Sample ID:** MW-156-111821

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34518

Analyst: SS

Chloride	39.8 <sup>J</sup>	0.500	DEQ	mg/L	5	11/20/2021 10:24:00 AM
Nitrate (as N)	ND	0.500	D	mg/L	5	11/20/2021 10:24:00 AM
Sulfate	42.7	3.00	D	mg/L	5	11/20/2021 10:24:00 AM

**NOTES:**

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria (See CCV D)

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2111444-001

**Collection Date:** 11/19/2021 10:35:00 AM

**Client Sample ID:** MW-170-111921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34722	Analyst: SS	
Chloride	163	10.0	D	mg/L	100	12/10/2021 5:27:00 PM
Nitrate (as N)	ND	1.00	DH	mg/L	10	12/10/2021 5:04:00 PM
Sulfate	14.8	6.00	D	mg/L	10	12/10/2021 5:04:00 PM

**Lab ID:** 2111444-002

**Collection Date:** 11/19/2021 11:35:00 AM

**Client Sample ID:** MW-171-111921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34722	Analyst: SS	
Chloride	87.1	5.00	D	mg/L	50	12/10/2021 6:13:00 PM
Nitrate (as N)	ND	0.500	DH	mg/L	5	12/10/2021 5:50:00 PM
Sulfate	17.0	3.00	D	mg/L	5	12/10/2021 5:50:00 PM

**Lab ID:** 2111444-003

**Collection Date:** 11/19/2021 1:45:00 PM

**Client Sample ID:** MW-172-111921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34722	Analyst: SS	
Chloride	20.2	1.00	D	mg/L	10	12/10/2021 6:59:00 PM
Nitrate (as N)	0.137	0.100	H	mg/L	1	12/10/2021 6:36:00 PM
Sulfate	25.2	6.00	D	mg/L	10	12/10/2021 6:59:00 PM

JC 2/1/2022



**CLIENT:** PES Environmental, Inc.

**Project:** American Linen

**Lab ID:** 2111444-004

**Collection Date:** 11/19/2021 2:45:00 PM

**Client Sample ID:** MW-169-111921

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Ion Chromatography by EPA Method 300.0</u></b>				Batch ID: 34722		Analyst: SS
Chloride	99.2	5.00	D	mg/L	50	12/10/2021 7:45:00 PM
Nitrate (as N)	0.405 J	0.500	DJH	mg/L	5	12/10/2021 7:22:00 PM
Sulfate	8.38	3.00	D	mg/L	5	12/10/2021 7:22:00 PM

JC 2/1/2022





**CLIENT:** PES Environmental, Inc.  
**Project:** American Linen

**Lab ID:** 2112109-001

**Collection Date:** 12/7/2021 12:00:00 PM

**Client Sample ID:** MW-153-120721

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34685

Analyst: SS

Chloride	8.82	0.500	D	mg/L	5	12/8/2021 4:36:00 PM
Nitrate (as N)	0.0690 J	0.100	JH	mg/L	1	12/9/2021 2:17:00 PM
Nitrate (as N)	ND DNR	0.500	D	mg/L	5	12/8/2021 4:36:00 PM
Sulfate	8.69	0.600		mg/L	1	12/9/2021 2:17:00 PM

**Lab ID:** 2112109-002

**Collection Date:** 12/7/2021 2:45:00 PM

**Client Sample ID:** MW-148-120721

**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Ion Chromatography by EPA Method 300.0**

Batch ID: 34685

Analyst: SS

Chloride	15.5	2.00	D	mg/L	20	12/9/2021 2:40:00 PM
Nitrate (as N)	ND	0.500	D	mg/L	5	12/8/2021 4:59:00 PM
Sulfate	137	12.0	D	mg/L	20	12/9/2021 2:40:00 PM

JC 2/2/2022

## MEMORANDUM

**TO:** Project File **DATE:** March 23, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 1st Quarter Monitoring 2022 – Groundwater Samples – Group 1

**LAB:** Pace Sample Delivery Groups (SDGs): L1462842, L1463246, L1463646, L1465487, and L1465723

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Fifty-five (55) groundwater samples including three field duplicates, and three trip blanks were collected as part of the 1<sup>st</sup> Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in February 15-18 and 22-25, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anion (sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 1 analytical results are reported in SDGs L1462842, L1463246, L1463646, L1465487, and L1465723. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund

Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1462842: The chain of custody (COC) does not show matrix type for samples L1462842-06, -07, -08, and -09. No action is taken other than to note that all these samples except for the trip blank are groundwater and collected from monitoring wells.
- SDGs L1463246 and L1463646: PES submitted a revised COC on 2/23/22 (incorrectly selected alkalinity instead of sulfate analysis). Corrected COCs are attached to the respective laboratory reports.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Alkalinity, Sulfate and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), sulfate (28 days), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**
- SDGs L1463246 and L1463646 - *USEPA Method 8260D*: Initial calibration verification (secondary source) standard (SSCV) issues for acetone associated with one analytical batch (WG1821785) was noted by Pace. Acetone is qualified by the laboratory "C7" to indicate that percent difference SSCV is above laboratory acceptance criteria and showing high bias. **Associated sample results for acetone (detects) with laboratory qualified (C7) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

*USEPA Method 8260D*:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1465487 – Analytical batch WG1825410: 1,2,4-Trimethylbenzene is detected in the method blank and the trip blank at a low level below the RDL. **Associated 1,2,4-trimethylbenzene detections in two samples (MW107-022322 and FMW-141-022322) are qualified as not detected (U) due to trip or method blank contamination.**
- SDG L1465723 – Analytical batch WG1825305: 1,2,4-Trimethylbenzene is detected in the method blank at a low level below the RDL. **All associated 1,2,4-trimethylbenzene detections in three samples (MW-966-022422, MW105-022422, and FMW-131-022522) are qualified as not detected (U) due to method blank contamination.**

*NWTPH-Gx Method:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) are not detected in the method blank with the following exceptions:

- SDG L1465487 – Analytical batch WG1824605: A low level of gasoline was detected below the RDL in the method blank. **The associated gasoline detection in sample MW121-022222 is qualified as not-detected (U) due to method blank contamination.**
- SDG L1465723 – Analytical batch WG1825104: A low level of gasoline was detected below the RDL in the method blank. **The associated gasoline detection in samples MW-966-022422 and R-MW5-022422 are qualified as not-detected (U) due to method blank contamination.**

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity, Sulfate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1462842	WG1820612	9060A	TOC	465	J	1000	µg/L	NO
L1463246	WG1820612	9060A	TOC	465	J	1000	µg/L	NO
L1463246	WG1821617	9056A	TOC	248	J	1000	µg/L	NO
L1463646	WG1823081	300.0	Sulfate	663	J	5000	µg/L	NO
L1463646	WG1821754	9056A	TOC	321	J	1000	µg/L	NO
L1465487	WG1823081	300.0	Sulfate	653	J	5000	µg/L	NO
L1465487	WG1825365	9060A	TOC	314	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples with the following discussion:

- Work Order L1463646: All sulfate detections are significantly greater than the RDL and associated samples are not impacted.
- Work Order L1465487: Sulfate was detected at 653 µg/L in the method blank and above the method detection limit (594 µg/L). Four of seven sample (MW104-022322, MW107-022322, MW-160-022322, and MW-144R-022322) sulfate results are detected between the method detection limit (MDL) and RDL of 5000 µg/L. PES confirmed historical sulfate detections in samples collected from the associated monitoring wells. National Functional Guidance recommends qualifying associated detections as non-detect (U) however in these cases, due to the supporting data and the large difference between the MDL and RDL, no action is taken other than to estimate (J) the results.

### **Trip Blank Results**

#### *USEPA Method 8260D and NWTPH-Gx:*

Two trip blanks (TB-021622, TB-021822, and TB-022322) were collected and analyzed for VOCs and/or gasoline. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1462842: Low levels of acetone and toluene are detected in the trip blank (TB-021622). Actions are as follows:
  - Acetone was detected in the trip blank at 2.58 µg/L and above the RDL (1.00 µg/L). All associated acetone detections are below the trip blank detection in samples MW115-021522, MW-186-021622, and MW-185-021622. **Acetone results for these samples are qualified as not detected (U) due to trip blank contamination.**
  - Toluene was detected in the trip blank at 0.0760 µg/L and below the RDL (0.200 µg/L). **Associated toluene detections below the RDL in samples MW-186-021622, and MW-187-021622 are qualified as not detected (U) due to trip blank contamination.**
- SDG L1463646: Low levels of acetone and toluene are detected in the trip blank (TB-021822). Actions are as follows:
  - Acetone was detected in the trip blank at 2.00 µg/L and above the RDL. One associated acetone detection is at the same level as the trip blank detection in sample MW-173-021722. No action is taken for acetone detections at or greater than the trip blank detection.
  - Toluene was detected in the trip blank at 0.0580 µg/L and below the RDL. **Associated toluene detections below the RDL in samples MW-173-021722, MW106-021822, and MW-147-021822 are qualified as not detected (U) due to trip blank contamination.**
- SDG L1465487: Low levels of acetone, toluene, and 1,2,4-trimethylbenzene are detected in the trip blank (TB-022322). Actions are as follows:

- Acetone was detected in the trip blank at 5.21 µg/L and above the RDL. **Associated acetone detections are below the trip blank detection in nine samples (MW-165-022222, MW-175-022222, MW-168-022222, MW121-022222, R-MW6-022322, MW104-022322, MW107-022322, MW-144R-022322, and FMW-141-022322). Acetone results for these samples are qualified as not detected (U) due to trip blank contamination.**
- Toluene was detected in the trip blank at 0.136 µg/L and below the RDL. **Associated toluene detections below the RDL in four samples (MW-176-022222, MW-168-022222, MW104-022322, and MW-160-022322) are qualified as not detected (U) due to trip blank contamination.**
- 1,2,4-Trimethylbenzene was detected below the RDL in both trip and method blanks. **All associated 1,2,4-trimethylbenzene detections in three samples (R-MW6-022322, MW107-022322, and FMW-141-022322) are qualified as not detected (U) due to trip or method blank contamination.**

### **Field, Rinsate, or Equipment Blank Results**

A rinsate was not collected and submitted with SDGs associated with Group 1.

### **Field Duplicate Analyses**

Field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1463646: Samples MW-172-021722 and MW-964-021722
- SDG L1465487: Samples MW-161-022322 and MW-965-022322
- SDG L1465723: Samples R-MW5-022422 and MW-966-022422

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair with the following exceptions:

- SDG L1465723: Iron and cis-1,2-dichloroethene RPD (or absolute difference) exceed criteria. **Field duplicate iron and cis-1,2-dichloroethene results for samples R-MW5-022422 and MW-966-022422 are estimated and qualified (J).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

#### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to batch QC on SDG L1463246 for matrix spike results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

*USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

*General Chemistry (Alkalinity, Sulfate and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

**Surrogate Recoveries**

*USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses with one exception:

- SDG L1465487: Sample FMW-141-022322 surrogate (toluene-D8) recovery is above criteria for cis-1,2-dichloroethene (analytical batch WG1826259) and laboratory qualified (J1). **Sample FMW-141-022322 cis-1,2-dichloroethene result is estimated and qualified (J+) due to a high surrogate recovery.**

*NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the blanks are within the laboratory surrogate control limits.

**Laboratory Control Samples**

*USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1462842 - Analytical batch WG1820243: LCSD % recoveries for compounds acetone, acrylonitrile, and trans-1,4-dichloro-2-butene are recovered high and laboratory qualified (J4). LCS/LCSD RPD for acrylonitrile is above acceptance criteria and laboratory qualified (J3). LCS/LCSD % recoveries for 1,2,3-trichlorobenzene are below criteria and laboratory qualified (J4). Discussions and actions are as follows:
  - No action is needed for LCS/LCSD % recoveries above control limit criteria since these compounds (acrylonitrile and trans-1,4-dichloro-2-butene) are not detected in the associated samples.



- **All sample 1,2,3-trichlorobenzene results except for sample MW-187-021622 are qualified (UJ/J).** Refer to Initial and Continuing Calibration section for additional discussion since these results are also laboratory qualified (C4).
  - LCSD % recovery for acetone exceeds criteria however all associated acetone detections (MW115-021522, MW-186-021622, and MW-185-021622) are qualified as not detected (U) due to trip blank contamination. Refer to Trip Blank Results for additional discussion.
- SDG L1463246 - Analytical batch WG1821785: LCS % recovery for acetone, is recovered high and laboratory qualified (J4). **Associated sample MW-9-021522 and MW-169-021622 acetone results are estimated and qualified (J+) due to elevated LCS recovery.** Refer to Initial and Continuing Calibration section for additional information since the samples are already qualified due to a high calibration recovery.
  - SDG L1463246 - Analytical batch WG1823325: LCS/LCSD % recoveries and RPDs for acetone and acrylonitrile are above criteria and laboratory qualified (J4, J3). LCSD % recovery and RPD for tetrahydrofuran, are above criteria laboratory qualified (J4). No action is needed since analytical batch WG1823325 was run on 2/25/22 for three VOC compounds needing dilution.
  - SDG L1463646 - Analytical batch WG1821785: LCS % recovery for acetone is recovered high and laboratory qualified (J4). **All detected acetone results are estimated and qualified (J+) due to high recovery.**
  - SDG L1463646 - Analytical batch WG1823209: LCS/LCSD % recoveries for acetone and acrylonitrile are recovered high and laboratory qualified (J4). LCSD % recovery for tetrahydrofuran, is recovered high and laboratory qualified (J4). All detected acetone results are estimated and qualified (J+) due to high recovery. No action was needed for acrylonitrile or tetrahydrofuran since these are not detected in the associated samples.
  - SDG L1463646 - Analytical batch WG1823325: LCS/LCSD % recoveries for acetone and acrylonitrile are recovered high and laboratory qualified (J4). LCSD % recovery for tetrahydrofuran, is recovered high and laboratory qualified (J4). All detected acetone results are estimated and qualified (J+) due to high recovery. No action was needed for acrylonitrile or tetrahydrofuran since these are not detected in the associated samples.
  - SDG L1465487 - Analytical batch WG1825305: LCS % recovery for carbon tetrachloride is recovered high and laboratory qualified (J4). No action is needed since carbon tetrachloride is not detected in the associated samples.
  - SDG L1465487 - Analytical batch WG1825410: LCS % recoveries for carbon tetrachloride is recovered high and laboratory qualified (J4). No action is needed since carbon tetrachloride is not detected in the associated samples.

- SDG L1465723 - Analytical batch WG1825305: LCS % recovery for carbon tetrachloride is recovered high and laboratory qualified (J4). No action is needed since carbon tetrachloride is not detected in the associated samples.

*NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %Rs for gasoline are within the laboratory control criteria. For precision data refer to matrix spike results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity, Sulfate and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were not performed. Refer to LCS and field duplicate results for accuracy and precision data.

*NWTPH-Gx Method:*

MS/MSD analyses was performed on a non-client sample associated with SDG L1463246. Gasoline range RPD result exceeds criteria and is laboratory qualified (J3). No action is taken on this basis since both MS/MSD recoveries are within criteria. No measure of precision is provided with gasoline results associated with SDGs L1465487 and L1465723. No action is taken other than to note this.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1462842 and L1463246: MS/MSD was performed on a non-client sample within the analytical batch. MSD % R for ethane is below criteria. Since the spike was performed on a non-client sample no action is needed.
- SDG L1463646: MS/MSDs were performed on non-client samples within the analytical batches. MS/MSD % Rs for methane are above criteria. Since the spike was performed on a non-client sample no action is needed.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1462842, L1463246, and L1463646: Matrix spike analysis was performed on non-client and client samples. Iron or manganese MS and/or MSD recoveries are outside of criteria. No action is taken since sample concentration is greater than 4X the spike concentration.

#### *General Chemistry (Alkalinity, Sulfate and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1462842: Matrix spike was performed a non-client sample within the analytical batch. TOC MS/MSD recoveries were 0%. No action is taken since the spike was performed on a non-client sample.

#### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.
- SDG L1463246: EDD shows elutriate for sample source (column Y) for alkalinity and sulfate parameters.

#### **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

- SDG L1462842: Sample MW103-021522 and MW113-021522 VOC non target compound concentrations are elevated, and samples were run at higher dilutions (5X and 250X, respectively).

#### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2040	J	594	5000	1	02/18/2022 12:28	<a href="#">WG1820192</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5720		102	1000	1	02/19/2022 13:29	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9570		28.1	100	1	02/18/2022 23:56	<a href="#">WG1820096</a>
Manganese	2840		0.704	5.00	1	02/18/2022 23:56	<a href="#">WG1820096</a>

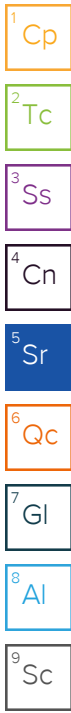
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2260		0.287	0.678	1	02/22/2022 09:24	<a href="#">WG1820658</a>
Ethane	7.43		0.296	1.29	1	02/22/2022 09:24	<a href="#">WG1820658</a>
Ethene	U		0.422	1.27	1	02/22/2022 09:24	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Acrylonitrile	U	<del>J3 J4</del>	0.0760	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Benzene	0.0430		0.0160	0.0400	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Bromobenzene	U		0.0420	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Bromodichloromethane	U		0.0315	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Bromoform	U		0.239	1.00	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Bromomethane	U		0.148	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
n-Butylbenzene	U	UJ C3	0.153	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
sec-Butylbenzene	U		0.101	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Chlorobenzene	U		0.0229	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Chloroethane	U		0.0432	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Chloroform	U		0.0166	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Chloromethane	U		0.0556	0.500	1	02/18/2022 22:02	<a href="#">WG1820243</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Dibromomethane	U		0.0400	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,1-Dichloroethane	0.0230	J	0.0230	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,1-Dichloroethene	0.0600	J	0.0200	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
cis-1,2-Dichloroethene	24.6		0.0276	0.100	1	02/18/2022 22:02	<a href="#">WG1820243</a>
trans-1,2-Dichloroethene	0.100	J	0.0572	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/18/2022 22:02	<a href="#">WG1820243</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/18/2022 22:02	WG1820243
1,3-Dichloropropane	U		0.0700	0.200	1	02/18/2022 22:02	WG1820243
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/18/2022 22:02	WG1820243
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/18/2022 22:02	WG1820243
2,2-Dichloropropane	U		0.0317	0.100	1	02/18/2022 22:02	WG1820243
Di-isopropyl ether	U		0.0140	0.0400	1	02/18/2022 22:02	WG1820243
Ethylbenzene	U		0.0212	0.100	1	02/18/2022 22:02	WG1820243
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/18/2022 22:02	WG1820243
Isopropylbenzene	U		0.0345	0.100	1	02/18/2022 22:02	WG1820243
p-Isopropyltoluene	U		0.0932	0.200	1	02/18/2022 22:02	WG1820243
2-Butanone (MEK)	U		0.500	1.00	1	02/18/2022 22:02	WG1820243
Methylene Chloride	U		0.265	1.00	1	02/18/2022 22:02	WG1820243
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/18/2022 22:02	WG1820243
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/18/2022 22:02	WG1820243
Naphthalene	U	UJ C3	0.124	0.500	1	02/18/2022 22:02	WG1820243
n-Propylbenzene	U		0.0472	0.200	1	02/18/2022 22:02	WG1820243
Styrene	U	UJ C3	0.109	0.500	1	02/18/2022 22:02	WG1820243
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/18/2022 22:02	WG1820243
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/18/2022 22:02	WG1820243
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/18/2022 22:02	WG1820243
Tetrachloroethene	U		0.0280	0.100	1	02/18/2022 22:02	WG1820243
Toluene	U		0.0500	0.200	1	02/18/2022 22:02	WG1820243
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	02/18/2022 22:02	WG1820243
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	02/18/2022 22:02	WG1820243
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/18/2022 22:02	WG1820243
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/18/2022 22:02	WG1820243
Trichloroethene	0.0930		0.0160	0.0400	1	02/18/2022 22:02	WG1820243
Trichlorofluoromethane	U		0.0200	0.100	1	02/18/2022 22:02	WG1820243
1,2,3-Trichloropropane	U		0.204	0.500	1	02/18/2022 22:02	WG1820243
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/18/2022 22:02	WG1820243
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/18/2022 22:02	WG1820243
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/18/2022 22:02	WG1820243
Vinyl chloride	6.98		0.0273	0.100	1	02/18/2022 22:02	WG1820243
Xylenes, Total	U		0.191	0.260	1	02/18/2022 22:02	WG1820243
Ethyl Ether	0.267		0.0170	0.100	1	02/18/2022 22:02	WG1820243
Tetrahydrofuran	U		0.0900	0.500	1	02/18/2022 22:02	WG1820243
Iodomethane	U		0.242	0.500	1	02/18/2022 22:02	WG1820243
Allyl chloride	U		0.580	1.00	1	02/18/2022 22:02	WG1820243
Trans-1,4-Dichloro-2-butene	U	J4	0.0560	0.200	1	02/18/2022 22:02	WG1820243
(S) Toluene-d8	94.7			75.0-131		02/18/2022 22:02	WG1820243
(S) 4-Bromofluorobenzene	93.5			67.0-138		02/18/2022 22:02	WG1820243
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/18/2022 22:02	WG1820243

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	28000		594	5000	1	02/18/2022 12:43	<a href="#">WG1820192</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1970	<u>B</u>	102	1000	1	02/19/2022 13:43	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

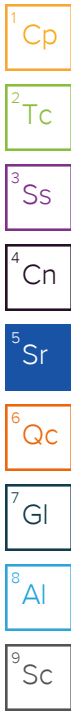
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1320		28.1	100	1	02/18/2022 23:59	<a href="#">WG1820096</a>
Manganese	853		0.704	5.00	1	02/18/2022 23:59	<a href="#">WG1820096</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	103		0.287	0.678	1	02/22/2022 09:27	<a href="#">WG1820658</a>
Ethane	9.86		0.296	1.29	1	02/22/2022 09:27	<a href="#">WG1820658</a>
Ethene	7.64		0.422	1.27	1	02/22/2022 09:27	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	2.74	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Acrylonitrile	U	<del>J3 J4</del>	0.380	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Benzene	0.135	<u>J</u>	0.0800	0.200	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Bromobenzene	U		0.210	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Bromodichloromethane	U		0.158	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Bromoform	U		1.20	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Bromomethane	U		0.740	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
n-Butylbenzene	U	<u>UJ</u> <u>C3</u>	0.765	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
sec-Butylbenzene	U		0.505	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
tert-Butylbenzene	U	<u>UJ</u> <u>C3</u>	0.310	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Carbon tetrachloride	U		0.216	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Chlorobenzene	U		0.115	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Chlorodibromomethane	U		0.0900	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Chloroethane	U		0.216	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Chloroform	U		0.0830	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Chloromethane	U		0.278	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
2-Chlorotoluene	U		0.184	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
4-Chlorotoluene	U		0.226	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2-Dibromoethane	U		0.105	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Dibromomethane	U		0.200	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2-Dichlorobenzene	U		0.290	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,3-Dichlorobenzene	U		0.340	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,4-Dichlorobenzene	U		0.394	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Dichlorodifluoromethane	U		0.164	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1-Dichloroethane	U		0.115	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2-Dichloroethane	U		0.0950	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1-Dichloroethene	2.49		0.100	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
cis-1,2-Dichloroethene	187		0.138	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
trans-1,2-Dichloroethene	0.480	<u>J</u>	0.286	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2-Dichloropropane	U		0.254	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.140	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,3-Dichloropropane	U		0.350	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
cis-1,3-Dichloropropene	U		0.136	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
trans-1,3-Dichloropropene	U		0.306	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
2,2-Dichloropropane	U		0.159	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Di-isopropyl ether	U		0.0700	0.200	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Ethylbenzene	U		0.106	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Hexachloro-1,3-butadiene	U	UJ C3	2.54	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Isopropylbenzene	U		0.173	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
p-Isopropyltoluene	U		0.466	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
2-Butanone (MEK)	U		2.50	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Methylene Chloride	U		1.33	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Methyl tert-butyl ether	U		0.0590	0.200	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Naphthalene	U	UJ C3	0.620	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
n-Propylbenzene	U		0.236	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Styrene	U	UJ C3	0.545	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Tetrachloroethene	U		0.140	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Toluene	U		0.250	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.125	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2,4-Trichlorobenzene	U	UJ C4	0.965	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1,1-Trichloroethane	U		0.0550	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,1,2-Trichloroethane	U		0.177	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Trichloroethene	3.05		0.0800	0.200	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Trichlorofluoromethane	U		0.100	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2,3-Trichloropropane	U		1.02	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2,4-Trimethylbenzene	U		0.232	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,2,3-Trimethylbenzene	U		0.230	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
1,3,5-Trimethylbenzene	U		0.216	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Vinyl chloride	68.7		0.137	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Xylenes, Total	U		0.955	1.30	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Ethyl Ether	U		0.0850	0.500	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Tetrahydrofuran	U		0.450	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Iodomethane	U		1.21	2.50	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Allyl chloride	U		2.90	5.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
Trans-1,4-Dichloro-2-butene	U	J4	0.280	1.00	5	02/19/2022 00:54	<a href="#">WG1820243</a>
(S) Toluene-d8	98.8			75.0-131		02/19/2022 00:54	<a href="#">WG1820243</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		02/19/2022 00:54	<a href="#">WG1820243</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/19/2022 00:54	<a href="#">WG1820243</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Sample Narrative:

L1462842-02 WG1820243: Non-target compounds too high to run at a lower dilution.



Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	139000		2970	25000	5	02/18/2022 12:57	<a href="#">WG1820192</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5810		102	1000	1	02/19/2022 13:59	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5680		28.1	100	1	02/19/2022 00:03	<a href="#">WG1820096</a>
Manganese	1340		0.704	5.00	1	02/19/2022 00:03	<a href="#">WG1820096</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	308		0.287	0.678	1	02/22/2022 09:29	<a href="#">WG1820658</a>
Ethane	1.47		0.296	1.29	1	02/22/2022 09:29	<a href="#">WG1820658</a>
Ethene	U		0.422	1.27	1	02/22/2022 09:29	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.55	U	<del>C5 J4</del> 0.548	1.00	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Acrylonitrile	U		<del>J3 J4</del> 0.0760	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Benzene	U		0.0160	0.0400	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Bromobenzene	U		0.0420	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Bromodichloromethane	U		0.0315	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Bromoform	U		0.239	1.00	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Bromomethane	U		0.148	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
n-Butylbenzene	U	UJ	<u>C3</u> 0.153	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
sec-Butylbenzene	U		0.101	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
tert-Butylbenzene	U	UJ	<u>C3</u> 0.0620	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Chlorobenzene	U		0.0229	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Chloroethane	U		0.0432	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Chloroform	U		0.0166	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Chloromethane	U		0.0556	0.500	1	02/18/2022 22:22	<a href="#">WG1820243</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Dibromomethane	U		0.0400	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
cis-1,2-Dichloroethene	0.455		0.0276	0.100	1	02/18/2022 22:22	<a href="#">WG1820243</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/18/2022 22:22	<a href="#">WG1820243</a>

JC 3/10/22

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/18/2022 22:22	WG1820243
1,3-Dichloropropane	U		0.0700	0.200	1	02/18/2022 22:22	WG1820243
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/18/2022 22:22	WG1820243
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/18/2022 22:22	WG1820243
2,2-Dichloropropane	U		0.0317	0.100	1	02/18/2022 22:22	WG1820243
Di-isopropyl ether	0.0220	<u>J</u>	0.0140	0.0400	1	02/18/2022 22:22	WG1820243
Ethylbenzene	U		0.0212	0.100	1	02/18/2022 22:22	WG1820243
Hexachloro-1,3-butadiene	U	<b>UJ</b> <u>C3</u>	0.508	1.00	1	02/18/2022 22:22	WG1820243
Isopropylbenzene	U		0.0345	0.100	1	02/18/2022 22:22	WG1820243
p-Isopropyltoluene	U		0.0932	0.200	1	02/18/2022 22:22	WG1820243
2-Butanone (MEK)	U		0.500	1.00	1	02/18/2022 22:22	WG1820243
Methylene Chloride	U		0.265	1.00	1	02/18/2022 22:22	WG1820243
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/18/2022 22:22	WG1820243
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/18/2022 22:22	WG1820243
Naphthalene	U	<b>UJ</b> <u>C3</u>	0.124	0.500	1	02/18/2022 22:22	WG1820243
n-Propylbenzene	U		0.0472	0.200	1	02/18/2022 22:22	WG1820243
Styrene	U	<b>UJ</b> <u>C3</u>	0.109	0.500	1	02/18/2022 22:22	WG1820243
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/18/2022 22:22	WG1820243
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/18/2022 22:22	WG1820243
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/18/2022 22:22	WG1820243
Tetrachloroethene	0.0530	<u>J</u>	0.0280	0.100	1	02/18/2022 22:22	WG1820243
Toluene	U		0.0500	0.200	1	02/18/2022 22:22	WG1820243
1,2,3-Trichlorobenzene	U	<b>UJ</b> <u>C4 J4</u>	0.0250	0.500	1	02/18/2022 22:22	WG1820243
1,2,4-Trichlorobenzene	U	<b>UJ</b> <u>C4</u>	0.193	0.500	1	02/18/2022 22:22	WG1820243
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/18/2022 22:22	WG1820243
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/18/2022 22:22	WG1820243
Trichloroethene	0.0280	<u>J</u>	0.0160	0.0400	1	02/18/2022 22:22	WG1820243
Trichlorofluoromethane	U		0.0200	0.100	1	02/18/2022 22:22	WG1820243
1,2,3-Trichloropropane	U		0.204	0.500	1	02/18/2022 22:22	WG1820243
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/18/2022 22:22	WG1820243
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/18/2022 22:22	WG1820243
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/18/2022 22:22	WG1820243
Vinyl chloride	7.28		0.0273	0.100	1	02/18/2022 22:22	WG1820243
Xylenes, Total	U		0.191	0.260	1	02/18/2022 22:22	WG1820243
Ethyl Ether	0.248		0.0170	0.100	1	02/18/2022 22:22	WG1820243
Tetrahydrofuran	U		0.0900	0.500	1	02/18/2022 22:22	WG1820243
Iodomethane	U		0.242	0.500	1	02/18/2022 22:22	WG1820243
Allyl chloride	U		0.580	1.00	1	02/18/2022 22:22	WG1820243
Trans-1,4-Dichloro-2-butene	U	<u>J4</u>	0.0560	0.200	1	02/18/2022 22:22	WG1820243
(S) Toluene-d8	98.0			75.0-131		02/18/2022 22:22	WG1820243
(S) 4-Bromofluorobenzene	94.3			67.0-138		02/18/2022 22:22	WG1820243
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/18/2022 22:22	WG1820243

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	80200		2970	25000	5	02/18/2022 13:12	<a href="#">WG1820192</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	21800		102	1000	1	02/19/2022 14:16	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12100		28.1	100	1	02/19/2022 00:13	<a href="#">WG1820096</a>
Manganese	808		0.704	5.00	1	02/19/2022 00:13	<a href="#">WG1820096</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	817		0.287	0.678	1	02/22/2022 09:39	<a href="#">WG1820658</a>
Ethane	25.3		0.296	1.29	1	02/22/2022 09:39	<a href="#">WG1820658</a>
Ethene	U		0.422	1.27	1	02/22/2022 09:39	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	137	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Acrylonitrile	U	<del>J3 J4</del>	19.0	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Benzene	5.75	J	4.00	10.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Bromobenzene	U		10.5	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Bromodichloromethane	U		7.88	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Bromoform	U		59.8	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Bromomethane	U		37.0	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
n-Butylbenzene	U	UJ C3	38.3	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
sec-Butylbenzene	U		25.3	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
tert-Butylbenzene	U	UJ C3	15.5	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Carbon tetrachloride	U		10.8	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Chlorobenzene	U		5.73	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Chlorodibromomethane	U		4.50	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Chloroethane	U		10.8	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Chloroform	U		4.15	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Chloromethane	U		13.9	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
2-Chlorotoluene	U		9.20	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
4-Chlorotoluene	U		11.3	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2-Dibromoethane	U		5.25	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Dibromomethane	U		10.0	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Dichlorodifluoromethane	U		8.18	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1-Dichloroethane	U		5.75	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2-Dichloroethane	U		4.75	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1-Dichloroethene	9.25	J	5.00	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
cis-1,2-Dichloroethene	5960		6.90	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
trans-1,2-Dichloroethene	18.0	J	14.3	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2-Dichloropropane	U		12.7	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>

JC 3/10/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		7.00	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,3-Dichloropropane	U		17.5	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
cis-1,3-Dichloropropene	U		6.78	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
trans-1,3-Dichloropropene	U		15.3	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
2,2-Dichloropropane	U		7.93	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Di-isopropyl ether	U		3.50	10.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Ethylbenzene	U		5.30	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Hexachloro-1,3-butadiene	U	UJ C3	127	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Isopropylbenzene	U		8.63	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
p-Isopropyltoluene	U		23.3	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
2-Butanone (MEK)	U		125	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Methylene Chloride	U		66.3	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
4-Methyl-2-pentanone (MIBK)	U		100	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Methyl tert-butyl ether	U		2.95	10.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Naphthalene	U	UJ C3	31.0	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
n-Propylbenzene	U		11.8	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Styrene	U	UJ C3	27.3	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Tetrachloroethene	21.3	J	7.00	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Toluene	U		12.5	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2,3-Trichlorobenzene	U	UJ C4 J4	6.25	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2,4-Trichlorobenzene	U	UJ C4	48.3	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,1,2-Trichloroethane	U		8.83	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Trichloroethene	30.8		4.00	10.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Trichlorofluoromethane	U		5.00	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2,3-Trichloropropane	U		51.0	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Vinyl chloride	U		6.82	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Xylenes, Total	U		47.8	65.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Ethyl Ether	U		4.25	25.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Tetrahydrofuran	U		22.5	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Iodomethane	U		60.5	125	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Allyl chloride	U		145	250	250	02/19/2022 01:13	<a href="#">WG1820243</a>
Trans-1,4-Dichloro-2-butene	U	J4	14.0	50.0	250	02/19/2022 01:13	<a href="#">WG1820243</a>
(S) Toluene-d8	96.5			75.0-131		02/19/2022 01:13	<a href="#">WG1820243</a>
(S) 4-Bromofluorobenzene	93.9			67.0-138		02/19/2022 01:13	<a href="#">WG1820243</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/19/2022 01:13	<a href="#">WG1820243</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Sample Narrative:

L1462842-04 WG1820243: Non-target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.45	U	<del>C5 J4</del> 0.548	1.00	1	02/18/2022 22:41	WG1820243
Acrylonitrile	U		<del>JS J4</del> 0.0760	0.500	1	02/18/2022 22:41	WG1820243
Benzene	0.0610		0.0160	0.0400	1	02/18/2022 22:41	WG1820243
Bromobenzene	U		0.0420	0.500	1	02/18/2022 22:41	WG1820243
Bromodichloromethane	U		0.0315	0.100	1	02/18/2022 22:41	WG1820243
Bromoform	U		0.239	1.00	1	02/18/2022 22:41	WG1820243
Bromomethane	U		0.148	0.500	1	02/18/2022 22:41	WG1820243
n-Butylbenzene	U	UJ	<u>C3</u> 0.153	0.500	1	02/18/2022 22:41	WG1820243
sec-Butylbenzene	U		0.101	0.500	1	02/18/2022 22:41	WG1820243
tert-Butylbenzene	U	UJ	<u>C3</u> 0.0620	0.200	1	02/18/2022 22:41	WG1820243
Carbon tetrachloride	U		0.0432	0.200	1	02/18/2022 22:41	WG1820243
Chlorobenzene	U		0.0229	0.100	1	02/18/2022 22:41	WG1820243
Chlorodibromomethane	U		0.0180	0.100	1	02/18/2022 22:41	WG1820243
Chloroethane	U		0.0432	0.200	1	02/18/2022 22:41	WG1820243
Chloroform	U		0.0166	0.100	1	02/18/2022 22:41	WG1820243
Chloromethane	U		0.0556	0.500	1	02/18/2022 22:41	WG1820243
2-Chlorotoluene	U		0.0368	0.100	1	02/18/2022 22:41	WG1820243
4-Chlorotoluene	U		0.0452	0.200	1	02/18/2022 22:41	WG1820243
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/18/2022 22:41	WG1820243
1,2-Dibromoethane	U		0.0210	0.100	1	02/18/2022 22:41	WG1820243
Dibromomethane	U		0.0400	0.200	1	02/18/2022 22:41	WG1820243
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/18/2022 22:41	WG1820243
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/18/2022 22:41	WG1820243
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/18/2022 22:41	WG1820243
Dichlorodifluoromethane	U		0.0327	0.100	1	02/18/2022 22:41	WG1820243
1,1-Dichloroethane	U		0.0230	0.100	1	02/18/2022 22:41	WG1820243
1,2-Dichloroethane	U		0.0190	0.100	1	02/18/2022 22:41	WG1820243
1,1-Dichloroethene	U		0.0200	0.100	1	02/18/2022 22:41	WG1820243
cis-1,2-Dichloroethene	0.262		0.0276	0.100	1	02/18/2022 22:41	WG1820243
trans-1,2-Dichloroethene	0.731		0.0572	0.200	1	02/18/2022 22:41	WG1820243
1,2-Dichloropropane	U		0.0508	0.200	1	02/18/2022 22:41	WG1820243
1,1-Dichloropropene	U		0.0280	0.100	1	02/18/2022 22:41	WG1820243
1,3-Dichloropropane	U		0.0700	0.200	1	02/18/2022 22:41	WG1820243
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/18/2022 22:41	WG1820243
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/18/2022 22:41	WG1820243
2,2-Dichloropropane	U		0.0317	0.100	1	02/18/2022 22:41	WG1820243
Di-isopropyl ether	U		0.0140	0.0400	1	02/18/2022 22:41	WG1820243
Ethylbenzene	U		0.0212	0.100	1	02/18/2022 22:41	WG1820243
Hexachloro-1,3-butadiene	U	UJ	<u>C3</u> 0.508	1.00	1	02/18/2022 22:41	WG1820243
Isopropylbenzene	U		0.0345	0.100	1	02/18/2022 22:41	WG1820243
p-Isopropyltoluene	U		0.0932	0.200	1	02/18/2022 22:41	WG1820243
2-Butanone (MEK)	U		0.500	1.00	1	02/18/2022 22:41	WG1820243
Methylene Chloride	U		0.265	1.00	1	02/18/2022 22:41	WG1820243
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/18/2022 22:41	WG1820243
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/18/2022 22:41	WG1820243
Naphthalene	U	UJ	<u>C3</u> 0.124	0.500	1	02/18/2022 22:41	WG1820243
n-Propylbenzene	U		0.0472	0.200	1	02/18/2022 22:41	WG1820243
Styrene	U	UJ	<u>C3</u> 0.109	0.500	1	02/18/2022 22:41	WG1820243
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/18/2022 22:41	WG1820243
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/18/2022 22:41	WG1820243
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/18/2022 22:41	WG1820243
Tetrachloroethene	U		0.0280	0.100	1	02/18/2022 22:41	WG1820243
Toluene	0.0650	U	<del>UJ</del> 0.0500	0.200	1	02/18/2022 22:41	WG1820243
1,2,3-Trichlorobenzene	U	UJ	<u>C4 J4</u> 0.0250	0.500	1	02/18/2022 22:41	WG1820243
1,2,4-Trichlorobenzene	U	UJ	<u>C4</u> 0.193	0.500	1	02/18/2022 22:41	WG1820243
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/18/2022 22:41	WG1820243

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Trichloroethene	0.0770		0.0160	0.0400	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/18/2022 22:41	<a href="#">WG1820243</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/18/2022 22:41	<a href="#">WG1820243</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/18/2022 22:41	<a href="#">WG1820243</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/18/2022 22:41	<a href="#">WG1820243</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Vinyl chloride	4.76		0.0273	0.100	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Xylenes, Total	U		0.191	0.260	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Ethyl Ether	U		0.0170	0.100	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Iodomethane	U		0.242	0.500	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Allyl chloride	U		0.580	1.00	1	02/18/2022 22:41	<a href="#">WG1820243</a>
Trans-1,4-Dichloro-2-butene	U	<del>J4</del>	0.0560	0.200	1	02/18/2022 22:41	<a href="#">WG1820243</a>
(S) Toluene-d8	97.7			75.0-131		02/18/2022 22:41	<a href="#">WG1820243</a>
(S) 4-Bromofluorobenzene	94.1			67.0-138		02/18/2022 22:41	<a href="#">WG1820243</a>
(S) 1,2-Dichloroethane-d4	117			70.0-130		02/18/2022 22:41	<a href="#">WG1820243</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

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Qc

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Gl

8  
Al

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Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	02/18/2022 23:00	WG1820243
Acrylonitrile	U	<del>J3 J4</del>	0.0760	0.500	1	02/18/2022 23:00	WG1820243
Benzene	U		0.0160	0.0400	1	02/18/2022 23:00	WG1820243
Bromobenzene	U		0.0420	0.500	1	02/18/2022 23:00	WG1820243
Bromodichloromethane	U		0.0315	0.100	1	02/18/2022 23:00	WG1820243
Bromoform	U		0.239	1.00	1	02/18/2022 23:00	WG1820243
Bromomethane	U		0.148	0.500	1	02/18/2022 23:00	WG1820243
n-Butylbenzene	U	UJ C3	0.153	0.500	1	02/18/2022 23:00	WG1820243
sec-Butylbenzene	U		0.101	0.500	1	02/18/2022 23:00	WG1820243
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	02/18/2022 23:00	WG1820243
Carbon tetrachloride	U		0.0432	0.200	1	02/18/2022 23:00	WG1820243
Chlorobenzene	U		0.0229	0.100	1	02/18/2022 23:00	WG1820243
Chlorodibromomethane	U		0.0180	0.100	1	02/18/2022 23:00	WG1820243
Chloroethane	U		0.0432	0.200	1	02/18/2022 23:00	WG1820243
Chloroform	U		0.0166	0.100	1	02/18/2022 23:00	WG1820243
Chloromethane	U		0.0556	0.500	1	02/18/2022 23:00	WG1820243
2-Chlorotoluene	U		0.0368	0.100	1	02/18/2022 23:00	WG1820243
4-Chlorotoluene	U		0.0452	0.200	1	02/18/2022 23:00	WG1820243
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/18/2022 23:00	WG1820243
1,2-Dibromoethane	U		0.0210	0.100	1	02/18/2022 23:00	WG1820243
Dibromomethane	U		0.0400	0.200	1	02/18/2022 23:00	WG1820243
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/18/2022 23:00	WG1820243
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/18/2022 23:00	WG1820243
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/18/2022 23:00	WG1820243
Dichlorodifluoromethane	U		0.0327	0.100	1	02/18/2022 23:00	WG1820243
1,1-Dichloroethane	U		0.0230	0.100	1	02/18/2022 23:00	WG1820243
1,2-Dichloroethane	U		0.0190	0.100	1	02/18/2022 23:00	WG1820243
1,1-Dichloroethene	U		0.0200	0.100	1	02/18/2022 23:00	WG1820243
cis-1,2-Dichloroethene	0.160		0.0276	0.100	1	02/18/2022 23:00	WG1820243
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/18/2022 23:00	WG1820243
1,2-Dichloropropane	U		0.0508	0.200	1	02/18/2022 23:00	WG1820243
1,1-Dichloropropene	U		0.0280	0.100	1	02/18/2022 23:00	WG1820243
1,3-Dichloropropane	U		0.0700	0.200	1	02/18/2022 23:00	WG1820243
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/18/2022 23:00	WG1820243
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/18/2022 23:00	WG1820243
2,2-Dichloropropane	U		0.0317	0.100	1	02/18/2022 23:00	WG1820243
Di-isopropyl ether	U		0.0140	0.0400	1	02/18/2022 23:00	WG1820243
Ethylbenzene	U		0.0212	0.100	1	02/18/2022 23:00	WG1820243
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/18/2022 23:00	WG1820243
Isopropylbenzene	U		0.0345	0.100	1	02/18/2022 23:00	WG1820243
p-Isopropyltoluene	U		0.0932	0.200	1	02/18/2022 23:00	WG1820243
2-Butanone (MEK)	U		0.500	1.00	1	02/18/2022 23:00	WG1820243
Methylene Chloride	U		0.265	1.00	1	02/18/2022 23:00	WG1820243
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/18/2022 23:00	WG1820243
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/18/2022 23:00	WG1820243
Naphthalene	U	UJ C3	0.124	0.500	1	02/18/2022 23:00	WG1820243
n-Propylbenzene	U		0.0472	0.200	1	02/18/2022 23:00	WG1820243
Styrene	U	UJ C3	0.109	0.500	1	02/18/2022 23:00	WG1820243
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/18/2022 23:00	WG1820243
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/18/2022 23:00	WG1820243
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/18/2022 23:00	WG1820243
Tetrachloroethene	U		0.0280	0.100	1	02/18/2022 23:00	WG1820243
Toluene	U		0.0500	0.200	1	02/18/2022 23:00	WG1820243
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	02/18/2022 23:00	WG1820243
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	02/18/2022 23:00	WG1820243
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/18/2022 23:00	WG1820243

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Trichloroethene	U		0.0160	0.0400	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/18/2022 23:00	<a href="#">WG1820243</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/18/2022 23:00	<a href="#">WG1820243</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/18/2022 23:00	<a href="#">WG1820243</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/18/2022 23:00	<a href="#">WG1820243</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Vinyl chloride	0.357		0.0273	0.100	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Xylenes, Total	U		0.191	0.260	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Ethyl Ether	U		0.0170	0.100	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Iodomethane	U		0.242	0.500	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Allyl chloride	U		0.580	1.00	1	02/18/2022 23:00	<a href="#">WG1820243</a>
Trans-1,4-Dichloro-2-butene	U	<del>J4</del>	0.0560	0.200	1	02/18/2022 23:00	<a href="#">WG1820243</a>
(S) Toluene-d8	96.9			75.0-131		02/18/2022 23:00	<a href="#">WG1820243</a>
(S) 4-Bromofluorobenzene	93.6			67.0-138		02/18/2022 23:00	<a href="#">WG1820243</a>
(S) 1,2-Dichloroethane-d4	119			70.0-130		02/18/2022 23:00	<a href="#">WG1820243</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Acrylonitrile	U		0.0760	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Benzene	U		0.0160	0.0400	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Bromobenzene	U		0.0420	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Bromodichloromethane	U		0.0315	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Bromoform	U		0.239	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Bromomethane	U		0.148	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
n-Butylbenzene	U		0.153	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
sec-Butylbenzene	U		0.101	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Chlorobenzene	U		0.0229	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Chloroethane	U		0.0432	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Chloroform	U		0.0166	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Chloromethane	U		0.0556	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Dibromomethane	U		0.0400	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
cis-1,2-Dichloroethene	0.0770	J	0.0276	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Ethylbenzene	U		0.0212	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Isopropylbenzene	U		0.0345	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Methylene Chloride	U		0.265	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Naphthalene	U	UJ C3	0.124	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
n-Propylbenzene	U		0.0472	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Styrene	U		0.109	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Tetrachloroethene	U		0.0280	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Toluene	0.0650	U J	0.0500	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

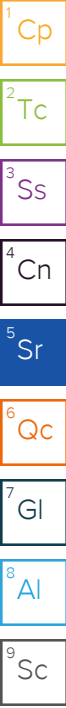
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Trichloroethene	U		0.0160	0.0400	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Vinyl chloride	0.651		0.0273	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Xylenes, Total	U		0.191	0.260	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Ethyl Ether	U		0.0170	0.100	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Tetrahydrofuran	0.599		0.0900	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Iodomethane	U		0.242	0.500	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Allyl chloride	U		0.580	1.00	1	02/24/2022 07:03	<a href="#">WG1822668</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2022 07:03	<a href="#">WG1822668</a>
(S) Toluene-d8	97.9			75.0-131		02/24/2022 07:03	<a href="#">WG1822668</a>
(S) 4-Bromofluorobenzene	96.1			67.0-138		02/24/2022 07:03	<a href="#">WG1822668</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/24/2022 07:03	<a href="#">WG1822668</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.79	U	0.548	1.00	1	02/18/2022 23:19	WG1820243
Acrylonitrile	U		0.0760	0.500	1	02/18/2022 23:19	WG1820243
Benzene	0.122		0.0160	0.0400	1	02/18/2022 23:19	WG1820243
Bromobenzene	U		0.0420	0.500	1	02/18/2022 23:19	WG1820243
Bromodichloromethane	U		0.0315	0.100	1	02/18/2022 23:19	WG1820243
Bromoform	U		0.239	1.00	1	02/18/2022 23:19	WG1820243
Bromomethane	U		0.148	0.500	1	02/18/2022 23:19	WG1820243
n-Butylbenzene	U	UJ	0.153	0.500	1	02/18/2022 23:19	WG1820243
sec-Butylbenzene	U		0.101	0.500	1	02/18/2022 23:19	WG1820243
tert-Butylbenzene	U	UJ	0.0620	0.200	1	02/18/2022 23:19	WG1820243
Carbon tetrachloride	U		0.0432	0.200	1	02/18/2022 23:19	WG1820243
Chlorobenzene	U		0.0229	0.100	1	02/18/2022 23:19	WG1820243
Chlorodibromomethane	U		0.0180	0.100	1	02/18/2022 23:19	WG1820243
Chloroethane	U		0.0432	0.200	1	02/18/2022 23:19	WG1820243
Chloroform	U		0.0166	0.100	1	02/18/2022 23:19	WG1820243
Chloromethane	U		0.0556	0.500	1	02/18/2022 23:19	WG1820243
2-Chlorotoluene	U		0.0368	0.100	1	02/18/2022 23:19	WG1820243
4-Chlorotoluene	U		0.0452	0.200	1	02/18/2022 23:19	WG1820243
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/18/2022 23:19	WG1820243
1,2-Dibromoethane	U		0.0210	0.100	1	02/18/2022 23:19	WG1820243
Dibromomethane	U		0.0400	0.200	1	02/18/2022 23:19	WG1820243
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/18/2022 23:19	WG1820243
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/18/2022 23:19	WG1820243
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/18/2022 23:19	WG1820243
Dichlorodifluoromethane	U		0.0327	0.100	1	02/18/2022 23:19	WG1820243
1,1-Dichloroethane	U		0.0230	0.100	1	02/18/2022 23:19	WG1820243
1,2-Dichloroethane	U		0.0190	0.100	1	02/18/2022 23:19	WG1820243
1,1-Dichloroethene	0.0530	J	0.0200	0.100	1	02/18/2022 23:19	WG1820243
cis-1,2-Dichloroethene	0.618		0.0276	0.100	1	02/18/2022 23:19	WG1820243
trans-1,2-Dichloroethene	0.0700	J	0.0572	0.200	1	02/18/2022 23:19	WG1820243
1,2-Dichloropropane	U		0.0508	0.200	1	02/18/2022 23:19	WG1820243
1,1-Dichloropropene	U		0.0280	0.100	1	02/18/2022 23:19	WG1820243
1,3-Dichloropropane	U		0.0700	0.200	1	02/18/2022 23:19	WG1820243
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/18/2022 23:19	WG1820243
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/18/2022 23:19	WG1820243
2,2-Dichloropropane	U		0.0317	0.100	1	02/18/2022 23:19	WG1820243
Di-isopropyl ether	U		0.0140	0.0400	1	02/18/2022 23:19	WG1820243
Ethylbenzene	U		0.0212	0.100	1	02/18/2022 23:19	WG1820243
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	02/18/2022 23:19	WG1820243
Isopropylbenzene	U		0.0345	0.100	1	02/18/2022 23:19	WG1820243
p-Isopropyltoluene	U		0.0932	0.200	1	02/18/2022 23:19	WG1820243
2-Butanone (MEK)	U		0.500	1.00	1	02/18/2022 23:19	WG1820243
Methylene Chloride	U		0.265	1.00	1	02/18/2022 23:19	WG1820243
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/18/2022 23:19	WG1820243
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/18/2022 23:19	WG1820243
Naphthalene	U	UJ	0.124	0.500	1	02/18/2022 23:19	WG1820243
n-Propylbenzene	U		0.0472	0.200	1	02/18/2022 23:19	WG1820243
Styrene	U	UJ	0.109	0.500	1	02/18/2022 23:19	WG1820243
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/18/2022 23:19	WG1820243
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/18/2022 23:19	WG1820243
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/18/2022 23:19	WG1820243
Tetrachloroethene	0.0560	J	0.0280	0.100	1	02/18/2022 23:19	WG1820243
Toluene	U		0.0500	0.200	1	02/18/2022 23:19	WG1820243
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	02/18/2022 23:19	WG1820243
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	02/18/2022 23:19	WG1820243
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/18/2022 23:19	WG1820243



JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Trichloroethene	0.0780		0.0160	0.0400	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/18/2022 23:19	<a href="#">WG1820243</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/18/2022 23:19	<a href="#">WG1820243</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/18/2022 23:19	<a href="#">WG1820243</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/18/2022 23:19	<a href="#">WG1820243</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Vinyl chloride	4.89		0.0273	0.100	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Xylenes, Total	U		0.191	0.260	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Ethyl Ether	U		0.0170	0.100	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Tetrahydrofuran	2.62	J+ C5	0.0900	0.500	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Iodomethane	U		0.242	0.500	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Allyl chloride	U		0.580	1.00	1	02/18/2022 23:19	<a href="#">WG1820243</a>
Trans-1,4-Dichloro-2-butene	U	<del>J4</del>	0.0560	0.200	1	02/18/2022 23:19	<a href="#">WG1820243</a>
(S) Toluene-d8	97.7			75.0-131		02/18/2022 23:19	<a href="#">WG1820243</a>
(S) 4-Bromofluorobenzene	93.0			67.0-138		02/18/2022 23:19	<a href="#">WG1820243</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/18/2022 23:19	<a href="#">WG1820243</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	582000		8450	20000	1	02/23/2022 08:56	<a href="#">WG1820908</a>

Sample Narrative:

L1463246-01 WG1820908: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	33500		594	5000	1	02/19/2022 16:20	<a href="#">WG1820611</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4900		102	1000	1	02/19/2022 19:02	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12900		28.1	100	1	02/23/2022 16:14	<a href="#">WG1820695</a>
Manganese	1510		0.704	5.00	1	02/23/2022 16:14	<a href="#">WG1820695</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1990		0.287	0.678	1	02/22/2022 10:07	<a href="#">WG1820658</a>
Ethane	24.2		0.296	1.29	1	02/22/2022 10:07	<a href="#">WG1820658</a>
Ethene	6.71		0.422	1.27	1	02/22/2022 10:07	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Benzene	2.91		0.0160	0.0400	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Chloroethane	U		0.0432	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Chloroform	0.0830	J	0.0166	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 14:48	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 14:48	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 14:48	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 14:48	<a href="#">WG1821785</a>

JC 3/10/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 14:48	WG1821785
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 14:48	WG1821785
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 14:48	WG1821785
1,1-Dichloroethane	0.0930	U	0.0230	0.100	1	02/22/2022 14:48	WG1821785
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 14:48	WG1821785
1,1-Dichloroethene	1.84		0.0200	0.100	1	02/22/2022 14:48	WG1821785
cis-1,2-Dichloroethene	852		1.38	5.00	50	02/25/2022 03:09	WG1823325
trans-1,2-Dichloroethene	3.34		0.0572	0.200	1	02/22/2022 14:48	WG1821785
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 14:48	WG1821785
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 14:48	WG1821785
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 14:48	WG1821785
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 14:48	WG1821785
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 14:48	WG1821785
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 14:48	WG1821785
Di-isopropyl ether	0.0550		0.0140	0.0400	1	02/22/2022 14:48	WG1821785
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 14:48	WG1821785
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 14:48	WG1821785
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 14:48	WG1821785
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 14:48	WG1821785
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 14:48	WG1821785
Methylene Chloride	U		0.265	1.00	1	02/22/2022 14:48	WG1821785
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 14:48	WG1821785
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 14:48	WG1821785
Naphthalene	U		0.124	0.500	1	02/22/2022 14:48	WG1821785
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 14:48	WG1821785
Styrene	U		0.109	0.500	1	02/22/2022 14:48	WG1821785
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 14:48	WG1821785
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 14:48	WG1821785
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 14:48	WG1821785
Tetrachloroethene	102		1.40	5.00	50	02/25/2022 03:09	WG1823325
Toluene	0.182	U	0.0500	0.200	1	02/22/2022 14:48	WG1821785
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 14:48	WG1821785
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 14:48	WG1821785
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 14:48	WG1821785
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 14:48	WG1821785
Trichloroethene	69.4		0.0160	0.0400	1	02/22/2022 14:48	WG1821785
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	02/22/2022 14:48	WG1821785
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 14:48	WG1821785
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 14:48	WG1821785
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 14:48	WG1821785
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 14:48	WG1821785
Vinyl chloride	170		1.36	5.00	50	02/25/2022 03:09	WG1823325
Xylenes, Total	U		0.191	0.260	1	02/22/2022 14:48	WG1821785
Ethyl Ether	0.304		0.0170	0.100	1	02/22/2022 14:48	WG1821785
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 14:48	WG1821785
Iodomethane	U		0.242	0.500	1	02/22/2022 14:48	WG1821785
Allyl chloride	U		0.580	1.00	1	02/22/2022 14:48	WG1821785
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 14:48	WG1821785
(S) Toluene-d8	102			75.0-131		02/22/2022 14:48	WG1821785
(S) Toluene-d8	100			75.0-131		02/25/2022 03:09	WG1823325
(S) 4-Bromofluorobenzene	101			67.0-138		02/22/2022 14:48	WG1821785
(S) 4-Bromofluorobenzene	95.9			67.0-138		02/25/2022 03:09	WG1823325
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/22/2022 14:48	WG1821785
(S) 1,2-Dichloroethane-d4	119			70.0-130		02/25/2022 03:09	WG1823325

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	198000		8450	20000	1	02/23/2022 09:00	<a href="#">WG1820908</a>

Sample Narrative:

L1463246-02 WG1820908: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	18000		594	5000	1	02/19/2022 16:36	<a href="#">WG1820611</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1320	<del>U</del>	102	1000	1	02/19/2022 19:15	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5310		28.1	100	1	02/23/2022 16:18	<a href="#">WG1820695</a>
Manganese	304		0.704	5.00	1	02/23/2022 16:18	<a href="#">WG1820695</a>

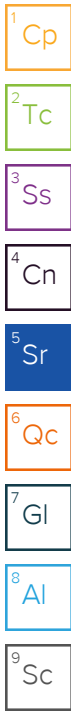
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	134		0.287	0.678	1	02/22/2022 10:38	<a href="#">WG1820658</a>
Ethane	9.39		0.296	1.29	1	02/22/2022 10:38	<a href="#">WG1820658</a>
Ethene	2.71		0.422	1.27	1	02/22/2022 10:38	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Benzene	U		0.0160	0.0400	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Chloroethane	U		0.0432	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 12:16	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 12:16	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 12:16	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 12:16	<a href="#">WG1821785</a>

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 12:16	WG1821785
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 12:16	WG1821785
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 12:16	WG1821785
1,1-Dichloroethane	U		0.0230	0.100	1	02/22/2022 12:16	WG1821785
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 12:16	WG1821785
1,1-Dichloroethene	U		0.0200	0.100	1	02/22/2022 12:16	WG1821785
cis-1,2-Dichloroethene	1.87		0.0276	0.100	1	02/22/2022 12:16	WG1821785
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2022 12:16	WG1821785
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 12:16	WG1821785
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 12:16	WG1821785
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 12:16	WG1821785
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 12:16	WG1821785
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 12:16	WG1821785
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 12:16	WG1821785
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 12:16	WG1821785
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 12:16	WG1821785
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 12:16	WG1821785
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 12:16	WG1821785
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 12:16	WG1821785
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 12:16	WG1821785
Methylene Chloride	U		0.265	1.00	1	02/22/2022 12:16	WG1821785
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 12:16	WG1821785
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 12:16	WG1821785
Naphthalene	U		0.124	0.500	1	02/22/2022 12:16	WG1821785
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 12:16	WG1821785
Styrene	U		0.109	0.500	1	02/22/2022 12:16	WG1821785
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 12:16	WG1821785
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 12:16	WG1821785
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 12:16	WG1821785
Tetrachloroethene	U		0.0280	0.100	1	02/22/2022 12:16	WG1821785
Toluene	0.0530	U	0.0500	0.200	1	02/22/2022 12:16	WG1821785
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 12:16	WG1821785
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 12:16	WG1821785
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 12:16	WG1821785
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 12:16	WG1821785
Trichloroethene	0.0480		0.0160	0.0400	1	02/22/2022 12:16	WG1821785
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 12:16	WG1821785
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 12:16	WG1821785
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 12:16	WG1821785
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 12:16	WG1821785
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 12:16	WG1821785
Vinyl chloride	12.8		0.0273	0.100	1	02/22/2022 12:16	WG1821785
Xylenes, Total	U		0.191	0.260	1	02/22/2022 12:16	WG1821785
Ethyl Ether	0.0510	U	0.0170	0.100	1	02/22/2022 12:16	WG1821785
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 12:16	WG1821785
Iodomethane	U		0.242	0.500	1	02/22/2022 12:16	WG1821785
Allyl chloride	U		0.580	1.00	1	02/22/2022 12:16	WG1821785
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 12:16	WG1821785
(S) Toluene-d8	98.0			75.0-131		02/22/2022 12:16	WG1821785
(S) 4-Bromofluorobenzene	98.4			67.0-138		02/22/2022 12:16	WG1821785
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/22/2022 12:16	WG1821785

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	204000		8450	20000	1	02/23/2022 09:10	<a href="#">WG1820908</a>

Sample Narrative:

L1463246-03 WG1820908: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	2800	J	594	5000	1	02/19/2022 16:52	<a href="#">WG1820611</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2350	B	102	1000	1	02/19/2022 19:29	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	381		28.1	100	1	02/23/2022 16:59	<a href="#">WG1820695</a>
Manganese	225		0.704	5.00	1	02/23/2022 16:59	<a href="#">WG1820695</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	265		0.287	0.678	1	02/22/2022 10:10	<a href="#">WG1820658</a>
Ethane	1.46		0.296	1.29	1	02/22/2022 10:10	<a href="#">WG1820658</a>
Ethene	0.842	J	0.422	1.27	1	02/22/2022 10:10	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U	J4	0.548	1.00	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Benzene	U		0.0160	0.0400	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Chloroethane	U		0.0432	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 12:35	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 12:35	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 12:35	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 12:35	<a href="#">WG1821785</a>

JC 3/10/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 12:35	WG1821785
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 12:35	WG1821785
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 12:35	WG1821785
1,1-Dichloroethane	U		0.0230	0.100	1	02/22/2022 12:35	WG1821785
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 12:35	WG1821785
1,1-Dichloroethene	U		0.0200	0.100	1	02/22/2022 12:35	WG1821785
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/22/2022 12:35	WG1821785
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2022 12:35	WG1821785
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 12:35	WG1821785
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 12:35	WG1821785
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 12:35	WG1821785
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 12:35	WG1821785
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 12:35	WG1821785
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 12:35	WG1821785
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 12:35	WG1821785
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 12:35	WG1821785
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 12:35	WG1821785
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 12:35	WG1821785
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 12:35	WG1821785
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 12:35	WG1821785
Methylene Chloride	U		0.265	1.00	1	02/22/2022 12:35	WG1821785
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 12:35	WG1821785
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 12:35	WG1821785
Naphthalene	U		0.124	0.500	1	02/22/2022 12:35	WG1821785
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 12:35	WG1821785
Styrene	U		0.109	0.500	1	02/22/2022 12:35	WG1821785
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 12:35	WG1821785
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 12:35	WG1821785
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 12:35	WG1821785
Tetrachloroethene	U		0.0280	0.100	1	02/22/2022 12:35	WG1821785
Toluene	U		0.0500	0.200	1	02/22/2022 12:35	WG1821785
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 12:35	WG1821785
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 12:35	WG1821785
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 12:35	WG1821785
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 12:35	WG1821785
Trichloroethene	U		0.0160	0.0400	1	02/22/2022 12:35	WG1821785
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 12:35	WG1821785
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 12:35	WG1821785
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 12:35	WG1821785
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 12:35	WG1821785
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 12:35	WG1821785
Vinyl chloride	U		0.0273	0.100	1	02/22/2022 12:35	WG1821785
Xylenes, Total	U		0.191	0.260	1	02/22/2022 12:35	WG1821785
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 12:35	WG1821785
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 12:35	WG1821785
Iodomethane	U		0.242	0.500	1	02/22/2022 12:35	WG1821785
Allyl chloride	U		0.580	1.00	1	02/22/2022 12:35	WG1821785
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 12:35	WG1821785
(S) Toluene-d8	97.2			75.0-131		02/22/2022 12:35	WG1821785
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/22/2022 12:35	WG1821785
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/22/2022 12:35	WG1821785

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	475000		8450	20000	1	02/23/2022 09:14	<a href="#">WG1820908</a>

Sample Narrative:

L1463246-04 WG1820908: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	19900		594	5000	1	02/19/2022 17:07	<a href="#">WG1820611</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4130	<u>B</u>	102	1000	1	02/19/2022 19:43	<a href="#">WG1820612</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	5090		28.1	100	1	02/23/2022 17:02	<a href="#">WG1820695</a>
Manganese	4970		0.704	5.00	1	02/23/2022 17:02	<a href="#">WG1820695</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	02/19/2022 07:46	<a href="#">WG1820546</a>
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120		02/19/2022 07:46	<a href="#">WG1820546</a>

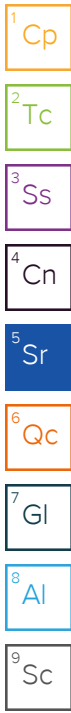
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	37.1		0.287	0.678	1	02/22/2022 10:13	<a href="#">WG1820658</a>
Ethane	U		0.296	1.29	1	02/22/2022 10:13	<a href="#">WG1820658</a>
Ethene	U		0.422	1.27	1	02/22/2022 10:13	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.77	J+ C5 C7 J4	0.548	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Benzene	U		0.0160	0.0400	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Chloroethane	U		0.0432	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0556	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Methylene Chloride	U		0.265	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Naphthalene	U		0.124	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Styrene	U		0.109	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Tetrachloroethene	U		0.0280	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Toluene	U		0.0500	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Trichloroethene	U		0.0160	0.0400	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Vinyl chloride	U		0.0273	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Xylenes, Total	U		0.191	0.260	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Ethyl Ether	0.225		0.0170	0.100	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 12:54	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 12:54	<a href="#">WG1821785</a>
(S) Toluene-d8	99.8			75.0-131		02/22/2022 12:54	<a href="#">WG1821785</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	98.7			67.0-138		02/22/2022 12:54	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/22/2022 12:54	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	200000		8450	20000	1	02/23/2022 09:17	<a href="#">WG1820908</a>

Sample Narrative:

L1463246-05 WG1820908: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	112000		2970	25000	5	02/19/2022 17:55	<a href="#">WG1820611</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2060	<del>B</del>	102	1000	1	02/23/2022 16:14	<a href="#">WG1821617</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1870		28.1	100	1	02/23/2022 17:05	<a href="#">WG1820695</a>
Manganese	426		0.704	5.00	1	02/23/2022 17:05	<a href="#">WG1820695</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	122		0.287	0.678	1	02/22/2022 10:15	<a href="#">WG1820658</a>
Ethane	1.09	J	0.296	1.29	1	02/22/2022 10:15	<a href="#">WG1820658</a>
Ethene	U		0.422	1.27	1	02/22/2022 10:15	<a href="#">WG1820658</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U	<del>J4</del>	0.548	1.00	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Benzene	0.0210	J	0.0160	0.0400	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Chloroethane	U		0.0432	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 13:13	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 13:13	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 13:13	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 13:13	<a href="#">WG1821785</a>

JC 3/10/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 13:13	WG1821785
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 13:13	WG1821785
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 13:13	WG1821785
1,1-Dichloroethane	1.82		0.0230	0.100	1	02/22/2022 13:13	WG1821785
1,2-Dichloroethane	0.307		0.0190	0.100	1	02/22/2022 13:13	WG1821785
1,1-Dichloroethene	0.316		0.0200	0.100	1	02/22/2022 13:13	WG1821785
cis-1,2-Dichloroethene	28.4		0.0276	0.100	1	02/22/2022 13:13	WG1821785
trans-1,2-Dichloroethene	0.104	U	0.0572	0.200	1	02/22/2022 13:13	WG1821785
1,2-Dichloropropane	0.644		0.0508	0.200	1	02/22/2022 13:13	WG1821785
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 13:13	WG1821785
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 13:13	WG1821785
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 13:13	WG1821785
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 13:13	WG1821785
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 13:13	WG1821785
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 13:13	WG1821785
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 13:13	WG1821785
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 13:13	WG1821785
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 13:13	WG1821785
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 13:13	WG1821785
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 13:13	WG1821785
Methylene Chloride	U		0.265	1.00	1	02/22/2022 13:13	WG1821785
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 13:13	WG1821785
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 13:13	WG1821785
Naphthalene	U		0.124	0.500	1	02/22/2022 13:13	WG1821785
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 13:13	WG1821785
Styrene	U		0.109	0.500	1	02/22/2022 13:13	WG1821785
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 13:13	WG1821785
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 13:13	WG1821785
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 13:13	WG1821785
Tetrachloroethene	54.1		0.0280	0.100	1	02/22/2022 13:13	WG1821785
Toluene	U		0.0500	0.200	1	02/22/2022 13:13	WG1821785
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 13:13	WG1821785
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 13:13	WG1821785
1,1,1-Trichloroethane	0.155		0.0110	0.100	1	02/22/2022 13:13	WG1821785
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 13:13	WG1821785
Trichloroethene	16.8		0.0160	0.0400	1	02/22/2022 13:13	WG1821785
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 13:13	WG1821785
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 13:13	WG1821785
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 13:13	WG1821785
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 13:13	WG1821785
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 13:13	WG1821785
Vinyl chloride	0.424		0.0273	0.100	1	02/22/2022 13:13	WG1821785
Xylenes, Total	U		0.191	0.260	1	02/22/2022 13:13	WG1821785
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 13:13	WG1821785
Tetrahydrofuran	0.582		0.0900	0.500	1	02/22/2022 13:13	WG1821785
Iodomethane	U		0.242	0.500	1	02/22/2022 13:13	WG1821785
Allyl chloride	U		0.580	1.00	1	02/22/2022 13:13	WG1821785
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 13:13	WG1821785
(S) Toluene-d8	98.4			75.0-131		02/22/2022 13:13	WG1821785
(S) 4-Bromofluorobenzene	98.1			67.0-138		02/22/2022 13:13	WG1821785
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/22/2022 13:13	WG1821785

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J3 J4</del>	137	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Acrylonitrile	U	<del>J3</del>	19.0	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Benzene	U		4.00	10.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Bromobenzene	U		10.5	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Bromodichloromethane	U		7.88	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Bromoform	U		59.8	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Bromomethane	U		37.0	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
n-Butylbenzene	U		38.3	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
sec-Butylbenzene	U		25.3	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
tert-Butylbenzene	U		15.5	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Carbon tetrachloride	U		10.8	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Chlorobenzene	U		5.73	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Chlorodibromomethane	U		4.50	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Chloroethane	U		10.8	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Chloroform	U		4.15	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Chloromethane	U		13.9	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
2-Chlorotoluene	U		9.20	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
4-Chlorotoluene	U		11.3	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2-Dibromoethane	U		5.25	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Dibromomethane	U		10.0	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Dichlorodifluoromethane	U		8.18	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1-Dichloroethane	U		5.75	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2-Dichloroethane	U		4.75	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1-Dichloroethene	11.7	J	5.00	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
cis-1,2-Dichloroethene	4940		6.90	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
trans-1,2-Dichloroethene	U		14.3	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2-Dichloropropane	U		12.7	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1-Dichloropropene	U		7.00	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,3-Dichloropropane	U		17.5	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
cis-1,3-Dichloropropene	U		6.78	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
trans-1,3-Dichloropropene	U		15.3	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
2,2-Dichloropropane	U		7.93	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Di-isopropyl ether	U		3.50	10.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Ethylbenzene	U		5.30	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Hexachloro-1,3-butadiene	U		127	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Isopropylbenzene	U		8.63	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
p-Isopropyltoluene	U		23.3	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
2-Butanone (MEK)	U		125	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Methylene Chloride	U		66.3	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
4-Methyl-2-pentanone (MIBK)	U		100	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Methyl tert-butyl ether	U		2.95	10.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Naphthalene	U		31.0	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
n-Propylbenzene	U		11.8	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Styrene	U		27.3	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	3.90	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Tetrachloroethene	U		7.00	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Toluene	U		12.5	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2,3-Trichlorobenzene	U		6.25	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2,4-Trichlorobenzene	U		48.3	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Trichloroethene	U		4.00	10.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Trichlorofluoromethane	U		5.00	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2,3-Trichloropropane	U		51.0	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Vinyl chloride	4410		6.82	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Xylenes, Total	U		47.8	65.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Ethyl Ether	U		4.25	25.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Tetrahydrofuran	U	<del>J3 J4</del>	22.5	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Iodomethane	U		60.5	125	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Allyl chloride	U		145	250	250	02/25/2022 03:28	<a href="#">WG1823325</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	02/25/2022 03:28	<a href="#">WG1823325</a>
(S) Toluene-d8	96.1			75.0-131		02/25/2022 03:28	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		02/25/2022 03:28	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/25/2022 03:28	<a href="#">WG1823325</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J3 J4</del>	1100	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Acrylonitrile	U	<del>JS</del>	152	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Benzene	U		32.0	80.0	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Bromobenzene	U		84.0	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Bromodichloromethane	U		63.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Bromoform	U		478	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Bromomethane	U		296	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
n-Butylbenzene	U		306	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
sec-Butylbenzene	U		202	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
tert-Butylbenzene	U		124	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Carbon tetrachloride	U		86.4	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Chlorobenzene	U		45.8	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Chlorodibromomethane	U		36.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Chloroethane	U		86.4	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Chloroform	U		33.2	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Chloromethane	U		111	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
2-Chlorotoluene	U		73.6	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
4-Chlorotoluene	U		90.4	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2-Dibromo-3-Chloropropane	U		408	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2-Dibromoethane	U		42.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Dibromomethane	U		80.0	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2-Dichlorobenzene	U		116	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,3-Dichlorobenzene	U		136	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,4-Dichlorobenzene	U		158	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Dichlorodifluoromethane	U		65.4	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1-Dichloroethane	U		46.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2-Dichloroethane	U		38.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1-Dichloroethene	52.0	J	40.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
cis-1,2-Dichloroethene	40700		55.2	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
trans-1,2-Dichloroethene	U		114	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2-Dichloropropane	U		102	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1-Dichloropropene	U		56.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,3-Dichloropropane	U		140	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
cis-1,3-Dichloropropene	U		54.2	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
trans-1,3-Dichloropropene	U		122	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
2,2-Dichloropropane	U		63.4	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Di-isopropyl ether	U		28.0	80.0	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Ethylbenzene	U		42.4	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Hexachloro-1,3-butadiene	U		1020	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Isopropylbenzene	U		69.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
p-Isopropyltoluene	U		186	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
2-Butanone (MEK)	U		1000	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Methylene Chloride	U		530	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
4-Methyl-2-pentanone (MIBK)	U		800	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Methyl tert-butyl ether	U		23.6	80.0	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Naphthalene	U		248	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
n-Propylbenzene	U		94.4	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Styrene	U		218	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1,1,2-Tetrachloroethane	U		40.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	31.2	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1,2-Trichlorotrifluoroethane	U		54.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Tetrachloroethene	198	J	56.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Toluene	U		100	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2,3-Trichlorobenzene	U		50.0	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2,4-Trichlorobenzene	U		386	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,1,1-Trichloroethane	U		22.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		70.6	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Trichloroethene	118		32.0	80.0	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Trichlorofluoromethane	U		40.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2,3-Trichloropropane	U		408	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2,4-Trimethylbenzene	U		92.8	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,2,3-Trimethylbenzene	U		92.0	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
1,3,5-Trimethylbenzene	U		86.4	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Vinyl chloride	19500		54.6	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Xylenes, Total	U		382	520	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Ethyl Ether	U		34.0	200	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Tetrahydrofuran	U	<u>J3 J4</u>	180	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Iodomethane	U		484	1000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Allyl chloride	U		1160	2000	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
Trans-1,4-Dichloro-2-butene	U		112	400	2000	02/25/2022 03:47	<a href="#">WG1823325</a>
(S) Toluene-d8	97.7			75.0-131		02/25/2022 03:47	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	93.8			67.0-138		02/25/2022 03:47	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/25/2022 03:47	<a href="#">WG1823325</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	137	250	250	02/25/2022 04:06	WG1823325
Acrylonitrile	U	J3	19.0	125	250	02/25/2022 04:06	WG1823325
Benzene	U		4.00	10.0	250	02/25/2022 04:06	WG1823325
Bromobenzene	U		10.5	125	250	02/25/2022 04:06	WG1823325
Bromodichloromethane	U		7.88	25.0	250	02/25/2022 04:06	WG1823325
Bromoform	U		59.8	250	250	02/25/2022 04:06	WG1823325
Bromomethane	U		37.0	125	250	02/25/2022 04:06	WG1823325
n-Butylbenzene	U		38.3	125	250	02/25/2022 04:06	WG1823325
sec-Butylbenzene	U		25.3	125	250	02/25/2022 04:06	WG1823325
tert-Butylbenzene	U		15.5	50.0	250	02/25/2022 04:06	WG1823325
Carbon tetrachloride	U		10.8	50.0	250	02/25/2022 04:06	WG1823325
Chlorobenzene	U		5.73	25.0	250	02/25/2022 04:06	WG1823325
Chlorodibromomethane	U		4.50	25.0	250	02/25/2022 04:06	WG1823325
Chloroethane	U		10.8	50.0	250	02/25/2022 04:06	WG1823325
Chloroform	U		4.15	25.0	250	02/25/2022 04:06	WG1823325
Chloromethane	U		13.9	125	250	02/25/2022 04:06	WG1823325
2-Chlorotoluene	U		9.20	25.0	250	02/25/2022 04:06	WG1823325
4-Chlorotoluene	U		11.3	50.0	250	02/25/2022 04:06	WG1823325
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	02/25/2022 04:06	WG1823325
1,2-Dibromoethane	U		5.25	25.0	250	02/25/2022 04:06	WG1823325
Dibromomethane	U		10.0	50.0	250	02/25/2022 04:06	WG1823325
1,2-Dichlorobenzene	U		14.5	50.0	250	02/25/2022 04:06	WG1823325
1,3-Dichlorobenzene	U		17.0	50.0	250	02/25/2022 04:06	WG1823325
1,4-Dichlorobenzene	U		19.7	50.0	250	02/25/2022 04:06	WG1823325
Dichlorodifluoromethane	U		8.18	25.0	250	02/25/2022 04:06	WG1823325
1,1-Dichloroethane	U		5.75	25.0	250	02/25/2022 04:06	WG1823325
1,2-Dichloroethane	U		4.75	25.0	250	02/25/2022 04:06	WG1823325
1,1-Dichloroethene	17.0	J	5.00	25.0	250	02/25/2022 04:06	WG1823325
cis-1,2-Dichloroethene	1880		6.90	25.0	250	02/25/2022 04:06	WG1823325
trans-1,2-Dichloroethene	43.0	J	14.3	50.0	250	02/25/2022 04:06	WG1823325
1,2-Dichloropropane	U		12.7	50.0	250	02/25/2022 04:06	WG1823325
1,1-Dichloropropene	U		7.00	25.0	250	02/25/2022 04:06	WG1823325
1,3-Dichloropropane	U		17.5	50.0	250	02/25/2022 04:06	WG1823325
cis-1,3-Dichloropropene	U		6.78	25.0	250	02/25/2022 04:06	WG1823325
trans-1,3-Dichloropropene	U		15.3	50.0	250	02/25/2022 04:06	WG1823325
2,2-Dichloropropane	U		7.93	25.0	250	02/25/2022 04:06	WG1823325
Di-isopropyl ether	U		3.50	10.0	250	02/25/2022 04:06	WG1823325
Ethylbenzene	U		5.30	25.0	250	02/25/2022 04:06	WG1823325
Hexachloro-1,3-butadiene	U		127	250	250	02/25/2022 04:06	WG1823325
Isopropylbenzene	U		8.63	25.0	250	02/25/2022 04:06	WG1823325
p-Isopropyltoluene	U		23.3	50.0	250	02/25/2022 04:06	WG1823325
2-Butanone (MEK)	U		125	250	250	02/25/2022 04:06	WG1823325
Methylene Chloride	U		66.3	250	250	02/25/2022 04:06	WG1823325
4-Methyl-2-pentanone (MIBK)	U		100	250	250	02/25/2022 04:06	WG1823325
Methyl tert-butyl ether	U		2.95	10.0	250	02/25/2022 04:06	WG1823325
Naphthalene	U		31.0	125	250	02/25/2022 04:06	WG1823325
n-Propylbenzene	U		11.8	50.0	250	02/25/2022 04:06	WG1823325
Styrene	U		27.3	125	250	02/25/2022 04:06	WG1823325
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	02/25/2022 04:06	WG1823325
1,1,2,2-Tetrachloroethane	U	UJ C3	3.90	25.0	250	02/25/2022 04:06	WG1823325
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	02/25/2022 04:06	WG1823325
Tetrachloroethene	U		7.00	25.0	250	02/25/2022 04:06	WG1823325
Toluene	U		12.5	50.0	250	02/25/2022 04:06	WG1823325
1,2,3-Trichlorobenzene	U		6.25	125	250	02/25/2022 04:06	WG1823325
1,2,4-Trichlorobenzene	U		48.3	125	250	02/25/2022 04:06	WG1823325
1,1,1-Trichloroethane	U		2.75	25.0	250	02/25/2022 04:06	WG1823325

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Trichloroethene	U		4.00	10.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Trichlorofluoromethane	U		5.00	25.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
1,2,3-Trichloropropane	U		51.0	125	250	02/25/2022 04:06	<a href="#">WG1823325</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Vinyl chloride	9100		6.82	25.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Xylenes, Total	U		47.8	65.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Ethyl Ether	U		4.25	25.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Tetrahydrofuran	U	<del>JS J4</del>	22.5	125	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Iodomethane	U		60.5	125	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Allyl chloride	U		145	250	250	02/25/2022 04:06	<a href="#">WG1823325</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	02/25/2022 04:06	<a href="#">WG1823325</a>
(S) Toluene-d8	98.1			75.0-131		02/25/2022 04:06	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		02/25/2022 04:06	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/25/2022 04:06	<a href="#">WG1823325</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	<del>S4</del>	0.548	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Benzene	U		0.0160	0.0400	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Chloroethane	6.41		0.0432	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1-Dichloroethene	16.5		0.0200	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	361		0.552	2.00	20	02/25/2022 04:25	<a href="#">WG1823325</a>
trans-1,2-Dichloroethene	6.54		0.0572	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Ethylbenzene	U		0.0212	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Methylene Chloride	U		0.265	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Naphthalene	U		0.124	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Styrene	U		0.109	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Tetrachloroethene	370		0.560	2.00	20	02/25/2022 04:25	<a href="#">WG1823325</a>
Toluene	U		0.0500	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Trichloroethene	309		0.320	0.800	20	02/25/2022 04:25	<a href="#">WG1823325</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Vinyl chloride	27.4		0.0273	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Xylenes, Total	U		0.191	0.260	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 16:04	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 16:04	<a href="#">WG1821785</a>
(S) Toluene-d8	99.9			75.0-131		02/22/2022 16:04	<a href="#">WG1821785</a>
(S) Toluene-d8	96.8			75.0-131		02/25/2022 04:25	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	98.1			67.0-138		02/22/2022 16:04	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	97.8			67.0-138		02/25/2022 04:25	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/22/2022 16:04	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	121			70.0-130		02/25/2022 04:25	<a href="#">WG1823325</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.79	J+	C5 C7 J4	0.548	1.00	1	02/22/2022 13:32 WG1821785
Acrylonitrile	U			0.0760	0.500	1	02/22/2022 13:32 WG1821785
Benzene	0.0910			0.0160	0.0400	1	02/22/2022 13:32 WG1821785
Bromobenzene	U			0.0420	0.500	1	02/22/2022 13:32 WG1821785
Bromodichloromethane	U			0.0315	0.100	1	02/22/2022 13:32 WG1821785
Bromoform	U			0.239	1.00	1	02/22/2022 13:32 WG1821785
Bromomethane	U			0.148	0.500	1	02/22/2022 13:32 WG1821785
n-Butylbenzene	U			0.153	0.500	1	02/22/2022 13:32 WG1821785
sec-Butylbenzene	U			0.101	0.500	1	02/22/2022 13:32 WG1821785
tert-Butylbenzene	U			0.0620	0.200	1	02/22/2022 13:32 WG1821785
Carbon tetrachloride	U			0.0432	0.200	1	02/22/2022 13:32 WG1821785
Chlorobenzene	U			0.0229	0.100	1	02/22/2022 13:32 WG1821785
Chlorodibromomethane	U			0.0180	0.100	1	02/22/2022 13:32 WG1821785
Chloroethane	U			0.0432	0.200	1	02/22/2022 13:32 WG1821785
Chloroform	U			0.0166	0.100	1	02/22/2022 13:32 WG1821785
Chloromethane	U			0.0556	0.500	1	02/22/2022 13:32 WG1821785
2-Chlorotoluene	U			0.0368	0.100	1	02/22/2022 13:32 WG1821785
4-Chlorotoluene	U			0.0452	0.200	1	02/22/2022 13:32 WG1821785
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	02/22/2022 13:32 WG1821785
1,2-Dibromoethane	U			0.0210	0.100	1	02/22/2022 13:32 WG1821785
Dibromomethane	U			0.0400	0.200	1	02/22/2022 13:32 WG1821785
1,2-Dichlorobenzene	U			0.0580	0.200	1	02/22/2022 13:32 WG1821785
1,3-Dichlorobenzene	U			0.0680	0.200	1	02/22/2022 13:32 WG1821785
1,4-Dichlorobenzene	U			0.0788	0.200	1	02/22/2022 13:32 WG1821785
Dichlorodifluoromethane	U			0.0327	0.100	1	02/22/2022 13:32 WG1821785
1,1-Dichloroethane	U			0.0230	0.100	1	02/22/2022 13:32 WG1821785
1,2-Dichloroethane	U			0.0190	0.100	1	02/22/2022 13:32 WG1821785
1,1-Dichloroethene	U			0.0200	0.100	1	02/22/2022 13:32 WG1821785
cis-1,2-Dichloroethene	0.0680		J	0.0276	0.100	1	02/22/2022 13:32 WG1821785
trans-1,2-Dichloroethene	0.417			0.0572	0.200	1	02/22/2022 13:32 WG1821785
1,2-Dichloropropane	U			0.0508	0.200	1	02/22/2022 13:32 WG1821785
1,1-Dichloropropene	U			0.0280	0.100	1	02/22/2022 13:32 WG1821785
1,3-Dichloropropane	U			0.0700	0.200	1	02/22/2022 13:32 WG1821785
cis-1,3-Dichloropropene	U			0.0271	0.100	1	02/22/2022 13:32 WG1821785
trans-1,3-Dichloropropene	U			0.0612	0.200	1	02/22/2022 13:32 WG1821785
2,2-Dichloropropane	U			0.0317	0.100	1	02/22/2022 13:32 WG1821785
Di-isopropyl ether	U			0.0140	0.0400	1	02/22/2022 13:32 WG1821785
Ethylbenzene	U			0.0212	0.100	1	02/22/2022 13:32 WG1821785
Hexachloro-1,3-butadiene	U			0.508	1.00	1	02/22/2022 13:32 WG1821785
Isopropylbenzene	U			0.0345	0.100	1	02/22/2022 13:32 WG1821785
p-Isopropyltoluene	U			0.0932	0.200	1	02/22/2022 13:32 WG1821785
2-Butanone (MEK)	U			0.500	1.00	1	02/22/2022 13:32 WG1821785
Methylene Chloride	U			0.265	1.00	1	02/22/2022 13:32 WG1821785
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	02/22/2022 13:32 WG1821785
Methyl tert-butyl ether	U			0.0118	0.0400	1	02/22/2022 13:32 WG1821785
Naphthalene	U			0.124	0.500	1	02/22/2022 13:32 WG1821785
n-Propylbenzene	U			0.0472	0.200	1	02/22/2022 13:32 WG1821785
Styrene	U			0.109	0.500	1	02/22/2022 13:32 WG1821785
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	02/22/2022 13:32 WG1821785
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	02/22/2022 13:32 WG1821785
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	02/22/2022 13:32 WG1821785
Tetrachloroethene	0.267			0.0280	0.100	1	02/22/2022 13:32 WG1821785
Toluene	U			0.0500	0.200	1	02/22/2022 13:32 WG1821785
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	02/22/2022 13:32 WG1821785
1,2,4-Trichlorobenzene	U			0.193	0.500	1	02/22/2022 13:32 WG1821785
1,1,1-Trichloroethane	U			0.0110	0.100	1	02/22/2022 13:32 WG1821785

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Trichloroethene	0.0340	<u>J</u>	0.0160	0.0400	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	02/22/2022 13:32	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 13:32	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 13:32	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 13:32	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Vinyl chloride	1.39		0.0273	0.100	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Xylenes, Total	U		0.191	0.260	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 13:32	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 13:32	<a href="#">WG1821785</a>
(S) Toluene-d8	99.2			75.0-131		02/22/2022 13:32	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	96.5			67.0-138		02/22/2022 13:32	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/22/2022 13:32	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	<del>J4</del>	0.548	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Acrylonitrile	U		0.0760	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Benzene	0.0340	J	0.0160	0.0400	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Bromobenzene	U		0.0420	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Bromodichloromethane	U		0.0315	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Bromoform	U		0.239	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Bromomethane	U		0.148	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
n-Butylbenzene	U		0.153	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
sec-Butylbenzene	U		0.101	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Chlorobenzene	U		0.0229	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Chloroethane	0.320		0.0432	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Chloroform	U		0.0166	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Chloromethane	U		0.0556	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Dibromomethane	U		0.0400	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1-Dichloroethane	0.148		0.0230	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1-Dichloroethene	41.5		0.0200	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	671		2.76	10.0	100	02/25/2022 05:22	<a href="#">WG1823325</a>
trans-1,2-Dichloroethene	25.3		0.0572	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Ethylbenzene	0.0970	J	0.0212	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Isopropylbenzene	U		0.0345	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Methylene Chloride	U		0.265	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Naphthalene	U		0.124	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
n-Propylbenzene	U		0.0472	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Styrene	U		0.109	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Tetrachloroethene	2750		2.80	10.0	100	02/25/2022 05:22	<a href="#">WG1823325</a>
Toluene	0.273		0.0500	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Trichloroethene	2240		1.60	4.00	100	02/25/2022 05:22	<a href="#">WG1823325</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Vinyl chloride	12.9		0.0273	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Xylenes, Total	0.212	J	0.191	0.260	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 13:51	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 13:51	<a href="#">WG1821785</a>
(S) Toluene-d8	99.3			75.0-131		02/22/2022 13:51	<a href="#">WG1821785</a>
(S) Toluene-d8	96.7			75.0-131		02/25/2022 05:22	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	102			67.0-138		02/22/2022 13:51	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	97.6			67.0-138		02/25/2022 05:22	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/22/2022 13:51	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	121			70.0-130		02/25/2022 05:22	<a href="#">WG1823325</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	137	250	250	02/25/2022 05:41	WG1823325
Acrylonitrile	U	J3	19.0	125	250	02/25/2022 05:41	WG1823325
Benzene	U		4.00	10.0	250	02/25/2022 05:41	WG1823325
Bromobenzene	U		10.5	125	250	02/25/2022 05:41	WG1823325
Bromodichloromethane	U		7.88	25.0	250	02/25/2022 05:41	WG1823325
Bromoform	U		59.8	250	250	02/25/2022 05:41	WG1823325
Bromomethane	U		37.0	125	250	02/25/2022 05:41	WG1823325
n-Butylbenzene	U		38.3	125	250	02/25/2022 05:41	WG1823325
sec-Butylbenzene	U		25.3	125	250	02/25/2022 05:41	WG1823325
tert-Butylbenzene	U		15.5	50.0	250	02/25/2022 05:41	WG1823325
Carbon tetrachloride	U		10.8	50.0	250	02/25/2022 05:41	WG1823325
Chlorobenzene	U		5.73	25.0	250	02/25/2022 05:41	WG1823325
Chlorodibromomethane	U		4.50	25.0	250	02/25/2022 05:41	WG1823325
Chloroethane	U		10.8	50.0	250	02/25/2022 05:41	WG1823325
Chloroform	U		4.15	25.0	250	02/25/2022 05:41	WG1823325
Chloromethane	U		13.9	125	250	02/25/2022 05:41	WG1823325
2-Chlorotoluene	U		9.20	25.0	250	02/25/2022 05:41	WG1823325
4-Chlorotoluene	U		11.3	50.0	250	02/25/2022 05:41	WG1823325
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	02/25/2022 05:41	WG1823325
1,2-Dibromoethane	U		5.25	25.0	250	02/25/2022 05:41	WG1823325
Dibromomethane	U		10.0	50.0	250	02/25/2022 05:41	WG1823325
1,2-Dichlorobenzene	U		14.5	50.0	250	02/25/2022 05:41	WG1823325
1,3-Dichlorobenzene	U		17.0	50.0	250	02/25/2022 05:41	WG1823325
1,4-Dichlorobenzene	U		19.7	50.0	250	02/25/2022 05:41	WG1823325
Dichlorodifluoromethane	U		8.18	25.0	250	02/25/2022 05:41	WG1823325
1,1-Dichloroethane	U		5.75	25.0	250	02/25/2022 05:41	WG1823325
1,2-Dichloroethane	U		4.75	25.0	250	02/25/2022 05:41	WG1823325
1,1-Dichloroethene	17.2	J	5.00	25.0	250	02/25/2022 05:41	WG1823325
cis-1,2-Dichloroethene	5120		6.90	25.0	250	02/25/2022 05:41	WG1823325
trans-1,2-Dichloroethene	179		14.3	50.0	250	02/25/2022 05:41	WG1823325
1,2-Dichloropropane	U		12.7	50.0	250	02/25/2022 05:41	WG1823325
1,1-Dichloropropene	U		7.00	25.0	250	02/25/2022 05:41	WG1823325
1,3-Dichloropropane	U		17.5	50.0	250	02/25/2022 05:41	WG1823325
cis-1,3-Dichloropropene	U		6.78	25.0	250	02/25/2022 05:41	WG1823325
trans-1,3-Dichloropropene	U		15.3	50.0	250	02/25/2022 05:41	WG1823325
2,2-Dichloropropane	U		7.93	25.0	250	02/25/2022 05:41	WG1823325
Di-isopropyl ether	U		3.50	10.0	250	02/25/2022 05:41	WG1823325
Ethylbenzene	U		5.30	25.0	250	02/25/2022 05:41	WG1823325
Hexachloro-1,3-butadiene	U		127	250	250	02/25/2022 05:41	WG1823325
Isopropylbenzene	U		8.63	25.0	250	02/25/2022 05:41	WG1823325
p-Isopropyltoluene	U		23.3	50.0	250	02/25/2022 05:41	WG1823325
2-Butanone (MEK)	U		125	250	250	02/25/2022 05:41	WG1823325
Methylene Chloride	U		66.3	250	250	02/25/2022 05:41	WG1823325
4-Methyl-2-pentanone (MIBK)	U		100	250	250	02/25/2022 05:41	WG1823325
Methyl tert-butyl ether	U		2.95	10.0	250	02/25/2022 05:41	WG1823325
Naphthalene	U		31.0	125	250	02/25/2022 05:41	WG1823325
n-Propylbenzene	U		11.8	50.0	250	02/25/2022 05:41	WG1823325
Styrene	U		27.3	125	250	02/25/2022 05:41	WG1823325
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	02/25/2022 05:41	WG1823325
1,1,2,2-Tetrachloroethane	U	UJ C3	3.90	25.0	250	02/25/2022 05:41	WG1823325
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	02/25/2022 05:41	WG1823325
Tetrachloroethene	42.0		7.00	25.0	250	02/25/2022 05:41	WG1823325
Toluene	U		12.5	50.0	250	02/25/2022 05:41	WG1823325
1,2,3-Trichlorobenzene	U		6.25	125	250	02/25/2022 05:41	WG1823325
1,2,4-Trichlorobenzene	U		48.3	125	250	02/25/2022 05:41	WG1823325
1,1,1-Trichloroethane	U		2.75	25.0	250	02/25/2022 05:41	WG1823325

- 1 Cp
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JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Trichloroethene	16.0		4.00	10.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Trichlorofluoromethane	U		5.00	25.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
1,2,3-Trichloropropane	U		51.0	125	250	02/25/2022 05:41	<a href="#">WG1823325</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Vinyl chloride	10300		6.82	25.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Xylenes, Total	U		47.8	65.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Ethyl Ether	U		4.25	25.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Tetrahydrofuran	U	<del>J3 J4</del>	22.5	125	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Iodomethane	U		60.5	125	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Allyl chloride	U		145	250	250	02/25/2022 05:41	<a href="#">WG1823325</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	02/25/2022 05:41	<a href="#">WG1823325</a>
(S) Toluene-d8	96.3			75.0-131		02/25/2022 05:41	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		02/25/2022 05:41	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	119			70.0-130		02/25/2022 05:41	<a href="#">WG1823325</a>

- 1 Cp
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JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J3 J4</del>	27.4	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Acrylonitrile	U	<del>J3</del>	3.80	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Benzene	U		0.800	2.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Bromobenzene	U		2.10	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Bromodichloromethane	U		1.58	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Bromoform	U		12.0	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Bromomethane	U		7.40	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
n-Butylbenzene	U		7.65	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
sec-Butylbenzene	U		5.05	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
tert-Butylbenzene	U		3.10	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Carbon tetrachloride	U		2.16	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Chlorobenzene	U		1.15	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Chlorodibromomethane	U		0.900	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Chloroethane	41.8		2.16	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Chloroform	U		0.830	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Chloromethane	U		2.78	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
2-Chlorotoluene	U		1.84	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
4-Chlorotoluene	U		2.26	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2-Dibromoethane	U		1.05	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Dibromomethane	U		2.00	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Dichlorodifluoromethane	U		1.64	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1-Dichloroethane	U		1.15	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2-Dichloroethane	U		0.950	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1-Dichloroethene	3.00	J	1.00	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
cis-1,2-Dichloroethene	1400		1.38	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
trans-1,2-Dichloroethene	10.2		2.86	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2-Dichloropropane	U		2.54	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1-Dichloropropene	U		1.40	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,3-Dichloropropane	U		3.50	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
2,2-Dichloropropane	U		1.59	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Di-isopropyl ether	U		0.700	2.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Ethylbenzene	U		1.06	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Isopropylbenzene	U		1.73	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
p-Isopropyltoluene	U		4.66	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
2-Butanone (MEK)	U		25.0	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Methylene Chloride	U		13.3	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Methyl tert-butyl ether	U		0.590	2.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Naphthalene	U		6.20	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
n-Propylbenzene	U		2.36	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Styrene	U		5.45	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.780	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Tetrachloroethene	15.9		1.40	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Toluene	U		2.50	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2,3-Trichlorobenzene	U		1.25	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		1.77	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Trichloroethene	12.6		0.800	2.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Trichlorofluoromethane	U		1.00	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Vinyl chloride	1600		1.36	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Xylenes, Total	U		9.55	13.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Ethyl Ether	U		0.850	5.00	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Tetrahydrofuran	U	<del>J3 J4</del>	4.50	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Iodomethane	U		12.1	25.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Allyl chloride	U		29.0	50.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	02/25/2022 06:00	<a href="#">WG1823325</a>
(S) Toluene-d8	102			75.0-131		02/25/2022 06:00	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	93.9			67.0-138		02/25/2022 06:00	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/25/2022 06:00	<a href="#">WG1823325</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	54.8	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Acrylonitrile	U		7.60	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Benzene	U		1.60	4.00	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Bromobenzene	U		4.20	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Bromodichloromethane	U		3.15	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Bromoform	U		23.9	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Bromomethane	U		14.8	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
n-Butylbenzene	U		15.3	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
sec-Butylbenzene	U		10.1	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
tert-Butylbenzene	U		6.20	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Carbon tetrachloride	U		4.32	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Chlorobenzene	U		2.29	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Chlorodibromomethane	U		1.80	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Chloroethane	U		4.32	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Chloroform	U		1.66	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Chloromethane	U		5.56	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
2-Chlorotoluene	U		3.68	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
4-Chlorotoluene	U		4.52	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		2.10	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Dibromomethane	U		4.00	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		5.80	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		6.80	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		7.88	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		3.27	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1-Dichloroethane	U		2.30	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		1.90	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1-Dichloroethene	30.2		2.00	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	3160		2.76	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
trans-1,2-Dichloroethene	7.20	J	5.72	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		5.08	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		2.80	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		7.00	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		2.71	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		6.12	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		3.17	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Di-isopropyl ether	U		1.40	4.00	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Ethylbenzene	U		2.12	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		50.8	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Isopropylbenzene	U		3.45	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		9.32	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		50.0	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Methylene Chloride	U		26.5	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		1.18	4.00	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Naphthalene	U		12.4	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
n-Propylbenzene	U		4.72	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Styrene	U		10.9	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Tetrachloroethene	26.5		2.80	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Toluene	U		5.00	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		2.50	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		19.3	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		1.10	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.53	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Trichloroethene	8.40		1.60	4.00	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	2.00	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Vinyl chloride	1300		2.73	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Xylenes, Total	U		19.1	26.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Ethyl Ether	U		1.70	10.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Tetrahydrofuran	U		9.00	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Iodomethane	U		24.2	50.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Allyl chloride	U		58.0	100	100	02/22/2022 17:02	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	02/22/2022 17:02	<a href="#">WG1821785</a>
(S) Toluene-d8	103			75.0-131		02/22/2022 17:02	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	97.8			67.0-138		02/22/2022 17:02	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/22/2022 17:02	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>34</del>	27.4	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Acrylonitrile	U		3.80	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Benzene	U		0.800	2.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Bromobenzene	U		2.10	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Bromodichloromethane	U		1.58	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Bromoform	U		12.0	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Bromomethane	U		7.40	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
n-Butylbenzene	U		7.65	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
sec-Butylbenzene	U		5.05	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
tert-Butylbenzene	U		3.10	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Carbon tetrachloride	U		2.16	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Chlorobenzene	U		1.15	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.900	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Chloroethane	U		2.16	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Chloroform	U		0.830	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Chloromethane	U		2.78	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
2-Chlorotoluene	U		1.84	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
4-Chlorotoluene	U		2.26	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		1.05	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Dibromomethane	U		2.00	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		1.64	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1-Dichloroethane	U		1.15	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		0.950	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1-Dichloroethene	39.8		1.00	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	656		1.38	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
trans-1,2-Dichloroethene	24.3		2.86	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		2.54	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		1.40	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		3.50	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		1.59	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Di-isopropyl ether	U		0.700	2.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Ethylbenzene	U		1.06	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Isopropylbenzene	U		1.73	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		4.66	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		25.0	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Methylene Chloride	U		13.3	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		0.590	2.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Naphthalene	U		6.20	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
n-Propylbenzene	U		2.36	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Styrene	U		5.45	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Tetrachloroethene	2890		1.40	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Toluene	U		2.50	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		1.25	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		1.77	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Trichloroethene	2260		0.800	2.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	1.00	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Vinyl chloride	14.1		1.36	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Xylenes, Total	U		9.55	13.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Ethyl Ether	U		0.850	5.00	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Tetrahydrofuran	U		4.50	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Iodomethane	U		12.1	25.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Allyl chloride	U		29.0	50.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	02/22/2022 17:21	<a href="#">WG1821785</a>
(S) Toluene-d8	98.8			75.0-131		02/22/2022 17:21	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		02/22/2022 17:21	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/22/2022 17:21	<a href="#">WG1821785</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>34</del>	27.4	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Acrylonitrile	U		3.80	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Benzene	U		0.800	2.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Bromobenzene	U		2.10	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Bromodichloromethane	U		1.58	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Bromoform	U		12.0	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Bromomethane	U		7.40	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
n-Butylbenzene	U		7.65	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
sec-Butylbenzene	U		5.05	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
tert-Butylbenzene	U		3.10	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Carbon tetrachloride	U		2.16	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Chlorobenzene	U		1.15	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Chlorodibromomethane	U		0.900	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Chloroethane	U		2.16	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Chloroform	U		0.830	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Chloromethane	U		2.78	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
2-Chlorotoluene	U		1.84	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
4-Chlorotoluene	U		2.26	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2-Dibromoethane	U		1.05	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Dibromomethane	U		2.00	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Dichlorodifluoromethane	U		1.64	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1-Dichloroethane	U		1.15	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2-Dichloroethane	U		0.950	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1-Dichloroethene	10.1		1.00	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
cis-1,2-Dichloroethene	4230		1.38	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
trans-1,2-Dichloroethene	41.5		2.86	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2-Dichloropropane	U		2.54	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1-Dichloropropene	U		1.40	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,3-Dichloropropane	U		3.50	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
2,2-Dichloropropane	U		1.59	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Di-isopropyl ether	U		0.700	2.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Ethylbenzene	U		1.06	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Isopropylbenzene	U		1.73	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
p-Isopropyltoluene	U		4.66	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
2-Butanone (MEK)	U		25.0	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Methylene Chloride	U		13.3	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Methyl tert-butyl ether	U		0.590	2.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Naphthalene	U		6.20	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
n-Propylbenzene	U		2.36	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Styrene	U		5.45	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Tetrachloroethene	36.3		1.40	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Toluene	U		2.50	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2,3-Trichlorobenzene	U		1.25	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		1.77	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Trichloroethene	16.9		0.800	2.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	1.00	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Vinyl chloride	3360		1.36	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Xylenes, Total	U		9.55	13.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Ethyl Ether	U		0.850	5.00	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Tetrahydrofuran	U		4.50	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Iodomethane	U		12.1	25.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Allyl chloride	U		29.0	50.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	02/22/2022 17:41	<a href="#">WG1821785</a>
(S) Toluene-d8	99.7			75.0-131		02/22/2022 17:41	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/22/2022 17:41	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/22/2022 17:41	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	110	200	200	02/22/2022 18:00	WG1821785
Acrylonitrile	U		15.2	100	200	02/22/2022 18:00	WG1821785
Benzene	U		3.20	8.00	200	02/22/2022 18:00	WG1821785
Bromobenzene	U		8.40	100	200	02/22/2022 18:00	WG1821785
Bromodichloromethane	U		6.30	20.0	200	02/22/2022 18:00	WG1821785
Bromoform	U		47.8	200	200	02/22/2022 18:00	WG1821785
Bromomethane	U		29.6	100	200	02/22/2022 18:00	WG1821785
n-Butylbenzene	U		30.6	100	200	02/22/2022 18:00	WG1821785
sec-Butylbenzene	U		20.2	100	200	02/22/2022 18:00	WG1821785
tert-Butylbenzene	U		12.4	40.0	200	02/22/2022 18:00	WG1821785
Carbon tetrachloride	U		8.64	40.0	200	02/22/2022 18:00	WG1821785
Chlorobenzene	U		4.58	20.0	200	02/22/2022 18:00	WG1821785
Chlorodibromomethane	U		3.60	20.0	200	02/22/2022 18:00	WG1821785
Chloroethane	U		8.64	40.0	200	02/22/2022 18:00	WG1821785
Chloroform	U		3.32	20.0	200	02/22/2022 18:00	WG1821785
Chloromethane	U		11.1	100	200	02/22/2022 18:00	WG1821785
2-Chlorotoluene	U		7.36	20.0	200	02/22/2022 18:00	WG1821785
4-Chlorotoluene	U		9.04	40.0	200	02/22/2022 18:00	WG1821785
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	02/22/2022 18:00	WG1821785
1,2-Dibromoethane	U		4.20	20.0	200	02/22/2022 18:00	WG1821785
Dibromomethane	U		8.00	40.0	200	02/22/2022 18:00	WG1821785
1,2-Dichlorobenzene	U		11.6	40.0	200	02/22/2022 18:00	WG1821785
1,3-Dichlorobenzene	U		13.6	40.0	200	02/22/2022 18:00	WG1821785
1,4-Dichlorobenzene	U		15.8	40.0	200	02/22/2022 18:00	WG1821785
Dichlorodifluoromethane	U		6.54	20.0	200	02/22/2022 18:00	WG1821785
1,1-Dichloroethane	U		4.60	20.0	200	02/22/2022 18:00	WG1821785
1,2-Dichloroethane	U		3.80	20.0	200	02/22/2022 18:00	WG1821785
1,1-Dichloroethene	30.4		4.00	20.0	200	02/22/2022 18:00	WG1821785
cis-1,2-Dichloroethene	7920		5.52	20.0	200	02/22/2022 18:00	WG1821785
trans-1,2-Dichloroethene	30.4	J	11.4	40.0	200	02/22/2022 18:00	WG1821785
1,2-Dichloropropane	U		10.2	40.0	200	02/22/2022 18:00	WG1821785
1,1-Dichloropropene	U		5.60	20.0	200	02/22/2022 18:00	WG1821785
1,3-Dichloropropane	U		14.0	40.0	200	02/22/2022 18:00	WG1821785
cis-1,3-Dichloropropene	U		5.42	20.0	200	02/22/2022 18:00	WG1821785
trans-1,3-Dichloropropene	U		12.2	40.0	200	02/22/2022 18:00	WG1821785
2,2-Dichloropropane	U		6.34	20.0	200	02/22/2022 18:00	WG1821785
Di-isopropyl ether	U		2.80	8.00	200	02/22/2022 18:00	WG1821785
Ethylbenzene	U		4.24	20.0	200	02/22/2022 18:00	WG1821785
Hexachloro-1,3-butadiene	U		102	200	200	02/22/2022 18:00	WG1821785
Isopropylbenzene	U		6.90	20.0	200	02/22/2022 18:00	WG1821785
p-Isopropyltoluene	U		18.6	40.0	200	02/22/2022 18:00	WG1821785
2-Butanone (MEK)	U		100	200	200	02/22/2022 18:00	WG1821785
Methylene Chloride	U		53.0	200	200	02/22/2022 18:00	WG1821785
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	02/22/2022 18:00	WG1821785
Methyl tert-butyl ether	U		2.36	8.00	200	02/22/2022 18:00	WG1821785
Naphthalene	U		24.8	100	200	02/22/2022 18:00	WG1821785
n-Propylbenzene	U		9.44	40.0	200	02/22/2022 18:00	WG1821785
Styrene	U		21.8	100	200	02/22/2022 18:00	WG1821785
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	02/22/2022 18:00	WG1821785
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	02/22/2022 18:00	WG1821785
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	02/22/2022 18:00	WG1821785
Tetrachloroethene	10500		5.60	20.0	200	02/22/2022 18:00	WG1821785
Toluene	U		10.0	40.0	200	02/22/2022 18:00	WG1821785
1,2,3-Trichlorobenzene	U		5.00	100	200	02/22/2022 18:00	WG1821785
1,2,4-Trichlorobenzene	U		38.6	100	200	02/22/2022 18:00	WG1821785
1,1,1-Trichloroethane	U		2.20	20.0	200	02/22/2022 18:00	WG1821785

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		7.06	20.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Trichloroethene	1800		3.20	8.00	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	4.00	20.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		40.8	100	200	02/22/2022 18:00	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		9.28	40.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		9.20	40.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		8.64	40.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Vinyl chloride	2920		5.46	20.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Xylenes, Total	U		38.2	52.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Ethyl Ether	U		3.40	20.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Tetrahydrofuran	U		18.0	100	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Iodomethane	U		48.4	100	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Allyl chloride	U		116	200	200	02/22/2022 18:00	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	02/22/2022 18:00	<a href="#">WG1821785</a>
(S) Toluene-d8	98.2			75.0-131		02/22/2022 18:00	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	94.9			67.0-138		02/22/2022 18:00	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/22/2022 18:00	<a href="#">WG1821785</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.00	J+	C5 C7 J4	0.548	1.00	1	02/22/2022 14:10 WG1821785
Acrylonitrile	U			0.0760	0.500	1	02/22/2022 14:10 WG1821785
Benzene	0.182			0.0160	0.0400	1	02/22/2022 14:10 WG1821785
Bromobenzene	U			0.0420	0.500	1	02/22/2022 14:10 WG1821785
Bromodichloromethane	U			0.0315	0.100	1	02/22/2022 14:10 WG1821785
Bromoform	U			0.239	1.00	1	02/22/2022 14:10 WG1821785
Bromomethane	U			0.148	0.500	1	02/22/2022 14:10 WG1821785
n-Butylbenzene	U			0.153	0.500	1	02/22/2022 14:10 WG1821785
sec-Butylbenzene	U			0.101	0.500	1	02/22/2022 14:10 WG1821785
tert-Butylbenzene	U			0.0620	0.200	1	02/22/2022 14:10 WG1821785
Carbon tetrachloride	U			0.0432	0.200	1	02/22/2022 14:10 WG1821785
Chlorobenzene	U			0.0229	0.100	1	02/22/2022 14:10 WG1821785
Chlorodibromomethane	U			0.0180	0.100	1	02/22/2022 14:10 WG1821785
Chloroethane	U			0.0432	0.200	1	02/22/2022 14:10 WG1821785
Chloroform	U			0.0166	0.100	1	02/22/2022 14:10 WG1821785
Chloromethane	U			0.0556	0.500	1	02/22/2022 14:10 WG1821785
2-Chlorotoluene	U			0.0368	0.100	1	02/22/2022 14:10 WG1821785
4-Chlorotoluene	U			0.0452	0.200	1	02/22/2022 14:10 WG1821785
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	02/22/2022 14:10 WG1821785
1,2-Dibromoethane	U			0.0210	0.100	1	02/22/2022 14:10 WG1821785
Dibromomethane	U			0.0400	0.200	1	02/22/2022 14:10 WG1821785
1,2-Dichlorobenzene	U			0.0580	0.200	1	02/22/2022 14:10 WG1821785
1,3-Dichlorobenzene	U			0.0680	0.200	1	02/22/2022 14:10 WG1821785
1,4-Dichlorobenzene	U			0.0788	0.200	1	02/22/2022 14:10 WG1821785
Dichlorodifluoromethane	U			0.0327	0.100	1	02/22/2022 14:10 WG1821785
1,1-Dichloroethane	U			0.0230	0.100	1	02/22/2022 14:10 WG1821785
1,2-Dichloroethane	U			0.0190	0.100	1	02/22/2022 14:10 WG1821785
1,1-Dichloroethene	U			0.0200	0.100	1	02/22/2022 14:10 WG1821785
cis-1,2-Dichloroethene	0.0700		J	0.0276	0.100	1	02/25/2022 05:03 WG1823325
trans-1,2-Dichloroethene	0.588			0.0572	0.200	1	02/22/2022 14:10 WG1821785
1,2-Dichloropropane	U			0.0508	0.200	1	02/22/2022 14:10 WG1821785
1,1-Dichloropropene	U			0.0280	0.100	1	02/22/2022 14:10 WG1821785
1,3-Dichloropropane	U			0.0700	0.200	1	02/22/2022 14:10 WG1821785
cis-1,3-Dichloropropene	U			0.0271	0.100	1	02/22/2022 14:10 WG1821785
trans-1,3-Dichloropropene	U			0.0612	0.200	1	02/22/2022 14:10 WG1821785
2,2-Dichloropropane	U			0.0317	0.100	1	02/22/2022 14:10 WG1821785
Di-isopropyl ether	U			0.0140	0.0400	1	02/22/2022 14:10 WG1821785
Ethylbenzene	U			0.0212	0.100	1	02/22/2022 14:10 WG1821785
Hexachloro-1,3-butadiene	U			0.508	1.00	1	02/22/2022 14:10 WG1821785
Isopropylbenzene	0.187			0.0345	0.100	1	02/22/2022 14:10 WG1821785
p-Isopropyltoluene	U			0.0932	0.200	1	02/22/2022 14:10 WG1821785
2-Butanone (MEK)	U			0.500	1.00	1	02/22/2022 14:10 WG1821785
Methylene Chloride	U			0.265	1.00	1	02/22/2022 14:10 WG1821785
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	02/22/2022 14:10 WG1821785
Methyl tert-butyl ether	U			0.0118	0.0400	1	02/22/2022 14:10 WG1821785
Naphthalene	U			0.124	0.500	1	02/22/2022 14:10 WG1821785
n-Propylbenzene	U			0.0472	0.200	1	02/22/2022 14:10 WG1821785
Styrene	U			0.109	0.500	1	02/22/2022 14:10 WG1821785
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	02/22/2022 14:10 WG1821785
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	02/22/2022 14:10 WG1821785
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	02/22/2022 14:10 WG1821785
Tetrachloroethene Toluene	U			0.0280	0.100	1	02/25/2022 05:03 WG1823325
1,2,3-Trichlorobenzene 1,2,4-	0.146	U	J	0.0500	0.200	1	02/22/2022 14:10 WG1821785
Trichlorobenzene 1,1,1-	U			0.0250	0.500	1	02/22/2022 14:10 WG1821785
Trichloroethane	U			0.193	0.500	1	02/22/2022 14:10 WG1821785
	U			0.0110	0.100	1	02/22/2022 14:10 WG1821785

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Trichloroethene	0.0470		0.0160	0.0400	1	02/25/2022 05:03	<a href="#">WG1823325</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	02/22/2022 14:10	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 14:10	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 14:10	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 14:10	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Vinyl chloride	0.236		0.0273	0.100	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Xylenes, Total	U		0.191	0.260	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 14:10	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 14:10	<a href="#">WG1821785</a>
(S) Toluene-d8	102			75.0-131		02/22/2022 14:10	<a href="#">WG1821785</a>
(S) Toluene-d8	98.0			75.0-131		02/25/2022 05:03	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		02/22/2022 14:10	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	97.6			67.0-138		02/25/2022 05:03	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/22/2022 14:10	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/25/2022 05:03	<a href="#">WG1823325</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

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Al

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Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	2.74	5.00	5	02/22/2022 18:19	WG1821785
Acrylonitrile	U		0.380	2.50	5	02/22/2022 18:19	WG1821785
Benzene	0.265		0.0800	0.200	5	02/22/2022 18:19	WG1821785
Bromobenzene	U		0.210	2.50	5	02/22/2022 18:19	WG1821785
Bromodichloromethane	U		0.158	0.500	5	02/22/2022 18:19	WG1821785
Bromoform	U		1.20	5.00	5	02/22/2022 18:19	WG1821785
Bromomethane	U		0.740	2.50	5	02/22/2022 18:19	WG1821785
n-Butylbenzene	U		0.765	2.50	5	02/22/2022 18:19	WG1821785
sec-Butylbenzene	U		0.505	2.50	5	02/22/2022 18:19	WG1821785
tert-Butylbenzene	U		0.310	1.00	5	02/22/2022 18:19	WG1821785
Carbon tetrachloride	U		0.216	1.00	5	02/22/2022 18:19	WG1821785
Chlorobenzene	U		0.115	0.500	5	02/22/2022 18:19	WG1821785
Chlorodibromomethane	U		0.0900	0.500	5	02/22/2022 18:19	WG1821785
Chloroethane	U		0.216	1.00	5	02/22/2022 18:19	WG1821785
Chloroform	U		0.0830	0.500	5	02/22/2022 18:19	WG1821785
Chloromethane	U		0.278	2.50	5	02/22/2022 18:19	WG1821785
2-Chlorotoluene	U		0.184	0.500	5	02/22/2022 18:19	WG1821785
4-Chlorotoluene	U		0.226	1.00	5	02/22/2022 18:19	WG1821785
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	02/22/2022 18:19	WG1821785
1,2-Dibromoethane	U		0.105	0.500	5	02/22/2022 18:19	WG1821785
Dibromomethane	U		0.200	1.00	5	02/22/2022 18:19	WG1821785
1,2-Dichlorobenzene	U		0.290	1.00	5	02/22/2022 18:19	WG1821785
1,3-Dichlorobenzene	U		0.340	1.00	5	02/22/2022 18:19	WG1821785
1,4-Dichlorobenzene	U		0.394	1.00	5	02/22/2022 18:19	WG1821785
Dichlorodifluoromethane	U		0.164	0.500	5	02/22/2022 18:19	WG1821785
1,1-Dichloroethane	U		0.115	0.500	5	02/22/2022 18:19	WG1821785
1,2-Dichloroethane	U		0.0950	0.500	5	02/22/2022 18:19	WG1821785
1,1-Dichloroethene	0.920		0.100	0.500	5	02/22/2022 18:19	WG1821785
cis-1,2-Dichloroethene	662		1.38	5.00	50	02/25/2022 06:19	WG1823325
trans-1,2-Dichloroethene	5.59		0.286	1.00	5	02/22/2022 18:19	WG1821785
1,2-Dichloropropane	U		0.254	1.00	5	02/22/2022 18:19	WG1821785
1,1-Dichloropropene	U		0.140	0.500	5	02/22/2022 18:19	WG1821785
1,3-Dichloropropane	U		0.350	1.00	5	02/22/2022 18:19	WG1821785
cis-1,3-Dichloropropene	U		0.136	0.500	5	02/22/2022 18:19	WG1821785
trans-1,3-Dichloropropene	U		0.306	1.00	5	02/22/2022 18:19	WG1821785
2,2-Dichloropropane	U		0.159	0.500	5	02/22/2022 18:19	WG1821785
Di-isopropyl ether	U		0.0700	0.200	5	02/22/2022 18:19	WG1821785
Ethylbenzene	0.300	J	0.106	0.500	5	02/22/2022 18:19	WG1821785
Hexachloro-1,3-butadiene	U		2.54	5.00	5	02/22/2022 18:19	WG1821785
Isopropylbenzene	U		0.173	0.500	5	02/22/2022 18:19	WG1821785
p-Isopropyltoluene	U		0.466	1.00	5	02/22/2022 18:19	WG1821785
2-Butanone (MEK)	U		2.50	5.00	5	02/22/2022 18:19	WG1821785
Methylene Chloride	U		1.33	5.00	5	02/22/2022 18:19	WG1821785
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	02/22/2022 18:19	WG1821785
Methyl tert-butyl ether	U		0.0590	0.200	5	02/22/2022 18:19	WG1821785
Naphthalene	U		0.620	2.50	5	02/22/2022 18:19	WG1821785
n-Propylbenzene	U		0.236	1.00	5	02/22/2022 18:19	WG1821785
Styrene	U		0.545	2.50	5	02/22/2022 18:19	WG1821785
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	02/22/2022 18:19	WG1821785
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	02/22/2022 18:19	WG1821785
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	02/22/2022 18:19	WG1821785
Tetrachloroethene	2.18		0.140	0.500	5	02/22/2022 18:19	WG1821785
Toluene	U		0.250	1.00	5	02/22/2022 18:19	WG1821785
1,2,3-Trichlorobenzene	U		0.125	2.50	5	02/22/2022 18:19	WG1821785
1,2,4-Trichlorobenzene	U		0.965	2.50	5	02/22/2022 18:19	WG1821785
1,1,1-Trichloroethane	U		0.0550	0.500	5	02/22/2022 18:19	WG1821785

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.177	0.500	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Trichloroethene	3.78		0.0800	0.200	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Trichlorofluoromethane	U	UJ C3	0.100	0.500	5	02/22/2022 18:19	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		1.02	2.50	5	02/22/2022 18:19	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.232	1.00	5	02/22/2022 18:19	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.230	1.00	5	02/22/2022 18:19	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.216	1.00	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Vinyl chloride	368		0.137	0.500	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Xylenes, Total	U		0.955	1.30	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0850	0.500	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.450	2.50	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Iodomethane	U		1.21	2.50	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Allyl chloride	U		2.90	5.00	5	02/22/2022 18:19	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	02/22/2022 18:19	<a href="#">WG1821785</a>
(S) Toluene-d8	98.9			75.0-131		02/22/2022 18:19	<a href="#">WG1821785</a>
(S) Toluene-d8	99.2			75.0-131		02/25/2022 06:19	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	97.7			67.0-138		02/22/2022 18:19	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	95.4			67.0-138		02/25/2022 06:19	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/22/2022 18:19	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/25/2022 06:19	<a href="#">WG1823325</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.54	J+	C5 C7 J4	0.548	1.00	1	02/22/2022 14:29 WG1821785
Acrylonitrile	U			0.0760	0.500	1	02/22/2022 14:29 WG1821785
Benzene	0.0240	J		0.0160	0.0400	1	02/22/2022 14:29 WG1821785
Bromobenzene	U			0.0420	0.500	1	02/22/2022 14:29 WG1821785
Bromodichloromethane	U			0.0315	0.100	1	02/22/2022 14:29 WG1821785
Bromoform	U			0.239	1.00	1	02/22/2022 14:29 WG1821785
Bromomethane	U			0.148	0.500	1	02/22/2022 14:29 WG1821785
n-Butylbenzene	U			0.153	0.500	1	02/22/2022 14:29 WG1821785
sec-Butylbenzene	U			0.101	0.500	1	02/22/2022 14:29 WG1821785
tert-Butylbenzene	U			0.0620	0.200	1	02/22/2022 14:29 WG1821785
Carbon tetrachloride	U			0.0432	0.200	1	02/22/2022 14:29 WG1821785
Chlorobenzene	U			0.0229	0.100	1	02/22/2022 14:29 WG1821785
Chlorodibromomethane	U			0.0180	0.100	1	02/22/2022 14:29 WG1821785
Chloroethane	1.42			0.0432	0.200	1	02/22/2022 14:29 WG1821785
Chloroform	U			0.0166	0.100	1	02/22/2022 14:29 WG1821785
Chloromethane	U			0.0556	0.500	1	02/22/2022 14:29 WG1821785
2-Chlorotoluene	U			0.0368	0.100	1	02/22/2022 14:29 WG1821785
4-Chlorotoluene	U			0.0452	0.200	1	02/22/2022 14:29 WG1821785
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	02/22/2022 14:29 WG1821785
1,2-Dibromoethane	U			0.0210	0.100	1	02/22/2022 14:29 WG1821785
Dibromomethane	U			0.0400	0.200	1	02/22/2022 14:29 WG1821785
1,2-Dichlorobenzene	U			0.0580	0.200	1	02/22/2022 14:29 WG1821785
1,3-Dichlorobenzene	U			0.0680	0.200	1	02/22/2022 14:29 WG1821785
1,4-Dichlorobenzene	U			0.0788	0.200	1	02/22/2022 14:29 WG1821785
Dichlorodifluoromethane	U			0.0327	0.100	1	02/22/2022 14:29 WG1821785
1,1-Dichloroethane	U			0.0230	0.100	1	02/22/2022 14:29 WG1821785
1,2-Dichloroethane	U			0.0190	0.100	1	02/22/2022 14:29 WG1821785
1,1-Dichloroethene	0.0280	J		0.0200	0.100	1	02/22/2022 14:29 WG1821785
cis-1,2-Dichloroethene	0.686			0.0276	0.100	1	02/22/2022 14:29 WG1821785
trans-1,2-Dichloroethene	0.701			0.0572	0.200	1	02/22/2022 14:29 WG1821785
1,2-Dichloropropane	U			0.0508	0.200	1	02/22/2022 14:29 WG1821785
1,1-Dichloropropene	U			0.0280	0.100	1	02/22/2022 14:29 WG1821785
1,3-Dichloropropane	U			0.0700	0.200	1	02/22/2022 14:29 WG1821785
cis-1,3-Dichloropropene	U			0.0271	0.100	1	02/22/2022 14:29 WG1821785
trans-1,3-Dichloropropene	U			0.0612	0.200	1	02/22/2022 14:29 WG1821785
2,2-Dichloropropane	U			0.0317	0.100	1	02/22/2022 14:29 WG1821785
Di-isopropyl ether	U			0.0140	0.0400	1	02/22/2022 14:29 WG1821785
Ethylbenzene	U			0.0212	0.100	1	02/22/2022 14:29 WG1821785
Hexachloro-1,3-butadiene	U			0.508	1.00	1	02/22/2022 14:29 WG1821785
Isopropylbenzene	U			0.0345	0.100	1	02/22/2022 14:29 WG1821785
p-Isopropyltoluene	U			0.0932	0.200	1	02/22/2022 14:29 WG1821785
2-Butanone (MEK)	U			0.500	1.00	1	02/22/2022 14:29 WG1821785
Methylene Chloride	U			0.265	1.00	1	02/22/2022 14:29 WG1821785
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	02/22/2022 14:29 WG1821785
Methyl tert-butyl ether	U			0.0118	0.0400	1	02/22/2022 14:29 WG1821785
Naphthalene	U			0.124	0.500	1	02/22/2022 14:29 WG1821785
n-Propylbenzene	U			0.0472	0.200	1	02/22/2022 14:29 WG1821785
Styrene	U			0.109	0.500	1	02/22/2022 14:29 WG1821785
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	02/22/2022 14:29 WG1821785
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	02/22/2022 14:29 WG1821785
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	02/22/2022 14:29 WG1821785
Tetrachloroethene	U			0.140	0.500	5	02/25/2022 06:37 WG1823325
Toluene	U			0.0500	0.200	1	02/22/2022 14:29 WG1821785
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	02/22/2022 14:29 WG1821785
1,2,4-Trichlorobenzene	U			0.193	0.500	1	02/22/2022 14:29 WG1821785
1,1,1-Trichloroethane	U			0.0110	0.100	1	02/22/2022 14:29 WG1821785

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Trichloroethene	0.180	<u>J</u>	0.0800	0.200	5	02/25/2022 06:37	<a href="#">WG1823325</a>
Trichlorofluoromethane	U	<b>UJ</b> <u>C3</u>	0.0200	0.100	1	02/22/2022 14:29	<a href="#">WG1821785</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/22/2022 14:29	<a href="#">WG1821785</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/22/2022 14:29	<a href="#">WG1821785</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/22/2022 14:29	<a href="#">WG1821785</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Vinyl chloride	117		0.137	0.500	5	02/25/2022 06:37	<a href="#">WG1823325</a>
Xylenes, Total	U		0.191	0.260	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Ethyl Ether	U		0.0170	0.100	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Iodomethane	U		0.242	0.500	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Allyl chloride	U		0.580	1.00	1	02/22/2022 14:29	<a href="#">WG1821785</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/22/2022 14:29	<a href="#">WG1821785</a>
(S) Toluene-d8	103			75.0-131		02/22/2022 14:29	<a href="#">WG1821785</a>
(S) Toluene-d8	97.0			75.0-131		02/25/2022 06:37	<a href="#">WG1823325</a>
(S) 4-Bromofluorobenzene	96.1			67.0-138		02/22/2022 14:29	<a href="#">WG1821785</a>
(S) 4-Bromofluorobenzene	99.7			67.0-138		02/25/2022 06:37	<a href="#">WG1823325</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/22/2022 14:29	<a href="#">WG1821785</a>
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/25/2022 06:37	<a href="#">WG1823325</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	172000		8450	20000	1	02/23/2022 12:35	<a href="#">WG1822229</a>

Sample Narrative:

L1463646-11 WG1822229: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	11200		594	5000	1	02/24/2022 14:06	<a href="#">WG1823081</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1060	<u>B</u>	102	1000	1	02/22/2022 19:03	<a href="#">WG1821754</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10800		28.1	100	1	02/22/2022 15:54	<a href="#">WG1821051</a>
Manganese	546		0.704	5.00	1	02/22/2022 15:54	<a href="#">WG1821051</a>

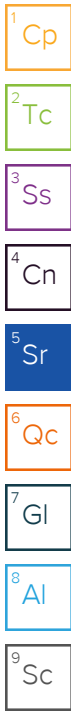
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37.3		0.287	0.678	1	02/23/2022 11:13	<a href="#">WG1821928</a>
Ethane	U		0.296	1.29	1	02/23/2022 11:13	<a href="#">WG1821928</a>
Ethene	U		0.422	1.27	1	02/23/2022 11:13	<a href="#">WG1821928</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Acrylonitrile	U		0.0760	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Benzene	U		0.0160	0.0400	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Bromobenzene	U		0.0420	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Bromodichloromethane	U		0.0315	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Bromoform	U		0.239	1.00	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Bromomethane	U		0.148	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
n-Butylbenzene	U		0.153	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
sec-Butylbenzene	U		0.101	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Chlorobenzene	U		0.0229	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Chloroethane	U		0.0432	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Chloroform	U		0.0166	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Chloromethane	U		0.0556	0.500	1	02/24/2022 08:00	<a href="#">WG1822900</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	02/24/2022 08:00	<a href="#">WG1822900</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2022 08:00	<a href="#">WG1822900</a>
Dibromomethane	U		0.0400	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2022 08:00	<a href="#">WG1822900</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2022 08:00	WG1822900
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2022 08:00	WG1822900
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2022 08:00	WG1822900
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2022 08:00	WG1822900
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2022 08:00	WG1822900
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2022 08:00	WG1822900
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/24/2022 08:00	WG1822900
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2022 08:00	WG1822900
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2022 08:00	WG1822900
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2022 08:00	WG1822900
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2022 08:00	WG1822900
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2022 08:00	WG1822900
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2022 08:00	WG1822900
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2022 08:00	WG1822900
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2022 08:00	WG1822900
Ethylbenzene	U		0.0212	0.100	1	02/24/2022 08:00	WG1822900
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2022 08:00	WG1822900
Isopropylbenzene	U		0.0345	0.100	1	02/24/2022 08:00	WG1822900
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2022 08:00	WG1822900
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2022 08:00	WG1822900
Methylene Chloride	U		0.265	1.00	1	02/24/2022 08:00	WG1822900
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2022 08:00	WG1822900
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2022 08:00	WG1822900
Naphthalene	U	UJ C3	0.124	0.500	1	02/24/2022 08:00	WG1822900
n-Propylbenzene	U		0.0472	0.200	1	02/24/2022 08:00	WG1822900
Styrene	U		0.109	0.500	1	02/24/2022 08:00	WG1822900
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2022 08:00	WG1822900
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	02/24/2022 08:00	WG1822900
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2022 08:00	WG1822900
Tetrachloroethene	U		0.0280	0.100	1	02/24/2022 08:00	WG1822900
Toluene	0.0680	U UJ	0.0500	0.200	1	02/24/2022 08:00	WG1822900
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2022 08:00	WG1822900
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2022 08:00	WG1822900
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2022 08:00	WG1822900
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2022 08:00	WG1822900
Trichloroethene	U		0.0160	0.0400	1	02/24/2022 08:00	WG1822900
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2022 08:00	WG1822900
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2022 08:00	WG1822900
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2022 08:00	WG1822900
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2022 08:00	WG1822900
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2022 08:00	WG1822900
Vinyl chloride	U		0.0273	0.100	1	02/24/2022 08:00	WG1822900
Xylenes, Total	U		0.191	0.260	1	02/24/2022 08:00	WG1822900
Ethyl Ether	U		0.0170	0.100	1	02/24/2022 08:00	WG1822900
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2022 08:00	WG1822900
Iodomethane	U		0.242	0.500	1	02/24/2022 08:00	WG1822900
Allyl chloride	U		0.580	1.00	1	02/24/2022 08:00	WG1822900
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2022 08:00	WG1822900
(S) Toluene-d8	96.8			75.0-131		02/24/2022 08:00	WG1822900
(S) 4-Bromofluorobenzene	100			67.0-138		02/24/2022 08:00	WG1822900
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2022 08:00	WG1822900

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	920000		8450	20000	1	02/23/2022 12:38	<a href="#">WG1822229</a>

Sample Narrative:

L1463646-12 WG1822229: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	62200		594	5000	1	02/24/2022 14:20	<a href="#">WG1823081</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	15700		102	1000	1	02/22/2022 19:24	<a href="#">WG1821754</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	9320		28.1	100	1	02/22/2022 15:57	<a href="#">WG1821051</a>
Manganese	4390		0.704	5.00	1	02/22/2022 15:57	<a href="#">WG1821051</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3790		0.287	0.678	1	02/23/2022 11:23	<a href="#">WG1821928</a>
Ethane	11.5		0.296	1.29	1	02/23/2022 11:23	<a href="#">WG1821928</a>
Ethene	1.59		0.422	1.27	1	02/23/2022 11:23	<a href="#">WG1821928</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.11	J+ C5	0.548	1.00	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Acrylonitrile	U		0.0760	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Benzene	0.224		0.0160	0.0400	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Bromobenzene	U		0.0420	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Bromodichloromethane	U		0.0315	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Bromoform	U		0.239	1.00	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Bromomethane	U		0.148	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
n-Butylbenzene	U		0.153	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
sec-Butylbenzene	U		0.101	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Chlorobenzene	U		0.0229	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Chloroethane	U		0.0432	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Chloroform	U		0.0166	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Chloromethane	U		0.0556	0.500	1	02/24/2022 08:20	<a href="#">WG1822900</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/24/2022 08:20	<a href="#">WG1822900</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2022 08:20	<a href="#">WG1822900</a>
Dibromomethane	U		0.0400	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2022 08:20	<a href="#">WG1822900</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2022 08:20	WG1822900
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2022 08:20	WG1822900
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2022 08:20	WG1822900
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2022 08:20	WG1822900
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2022 08:20	WG1822900
1,1-Dichloroethene	0.0290	<u>U</u>	0.0200	0.100	1	02/24/2022 08:20	WG1822900
cis-1,2-Dichloroethene	6.30		0.0276	0.100	1	02/24/2022 08:20	WG1822900
trans-1,2-Dichloroethene	0.186	<u>U</u>	0.0572	0.200	1	02/24/2022 08:20	WG1822900
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2022 08:20	WG1822900
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2022 08:20	WG1822900
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2022 08:20	WG1822900
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2022 08:20	WG1822900
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2022 08:20	WG1822900
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2022 08:20	WG1822900
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2022 08:20	WG1822900
Ethylbenzene	U		0.0212	0.100	1	02/24/2022 08:20	WG1822900
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2022 08:20	WG1822900
Isopropylbenzene	U		0.0345	0.100	1	02/24/2022 08:20	WG1822900
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2022 08:20	WG1822900
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2022 08:20	WG1822900
Methylene Chloride	U		0.265	1.00	1	02/24/2022 08:20	WG1822900
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2022 08:20	WG1822900
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2022 08:20	WG1822900
Naphthalene	U	<b>UJ</b> <u>C3</u>	0.124	0.500	1	02/24/2022 08:20	WG1822900
n-Propylbenzene	U		0.0472	0.200	1	02/24/2022 08:20	WG1822900
Styrene	U		0.109	0.500	1	02/24/2022 08:20	WG1822900
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2022 08:20	WG1822900
1,1,2,2-Tetrachloroethane	U	<b>UJ</b> <u>C3</u>	0.0156	0.100	1	02/24/2022 08:20	WG1822900
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2022 08:20	WG1822900
Tetrachloroethene	U		0.0280	0.100	1	02/24/2022 08:20	WG1822900
Toluene	U		0.0500	0.200	1	02/24/2022 08:20	WG1822900
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2022 08:20	WG1822900
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2022 08:20	WG1822900
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2022 08:20	WG1822900
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2022 08:20	WG1822900
Trichloroethene	0.0870		0.0160	0.0400	1	02/24/2022 08:20	WG1822900
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2022 08:20	WG1822900
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2022 08:20	WG1822900
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2022 08:20	WG1822900
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2022 08:20	WG1822900
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2022 08:20	WG1822900
Vinyl chloride	8.06		0.0273	0.100	1	02/24/2022 08:20	WG1822900
Xylenes, Total	U		0.191	0.260	1	02/24/2022 08:20	WG1822900
Ethyl Ether	0.181		0.0170	0.100	1	02/24/2022 08:20	WG1822900
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2022 08:20	WG1822900
Iodomethane	U		0.242	0.500	1	02/24/2022 08:20	WG1822900
Allyl chloride	U		0.580	1.00	1	02/24/2022 08:20	WG1822900
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2022 08:20	WG1822900
(S) Toluene-d8	100			75.0-131		02/24/2022 08:20	WG1822900
(S) 4-Bromofluorobenzene	98.9			67.0-138		02/24/2022 08:20	WG1822900
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2022 08:20	WG1822900

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	583000		8450	20000	1	02/23/2022 12:42	<a href="#">WG1822229</a>

Sample Narrative:

L1463646-13 WG1822229: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	18600		594	5000	1	02/24/2022 14:35	<a href="#">WG1823081</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	3600		102	1000	1	02/22/2022 20:08	<a href="#">WG1821754</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	10900		28.1	100	1	02/22/2022 16:00	<a href="#">WG1821051</a>
Manganese	1430		0.704	5.00	1	02/22/2022 16:00	<a href="#">WG1821051</a>

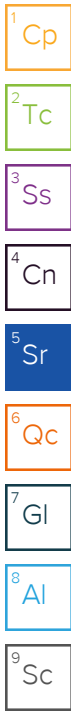
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3320		0.287	0.678	1	02/23/2022 11:26	<a href="#">WG1821928</a>
Ethane	36.6		0.296	1.29	1	02/23/2022 11:26	<a href="#">WG1821928</a>
Ethene	121		0.422	1.27	1	02/23/2022 11:26	<a href="#">WG1821928</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.12	J+ C5	0.548	1.00	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Acrylonitrile	U		0.0760	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Benzene	0.0520		0.0160	0.0400	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Bromobenzene	U		0.0420	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Bromodichloromethane	U		0.0315	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Bromoform	U		0.239	1.00	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Bromomethane	U		0.148	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
n-Butylbenzene	U		0.153	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
sec-Butylbenzene	U		0.101	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Chlorobenzene	U		0.0229	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Chloroethane	U		0.0432	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Chloroform	U		0.0166	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Chloromethane	U		0.0556	0.500	1	02/24/2022 08:39	<a href="#">WG1822900</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/24/2022 08:39	<a href="#">WG1822900</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2022 08:39	<a href="#">WG1822900</a>
Dibromomethane	U		0.0400	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2022 08:39	<a href="#">WG1822900</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2022 08:39	WG1822900
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2022 08:39	WG1822900
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2022 08:39	WG1822900
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2022 08:39	WG1822900
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2022 08:39	WG1822900
1,1-Dichloroethene	0.598		0.0200	0.100	1	02/24/2022 08:39	WG1822900
cis-1,2-Dichloroethene	275		0.276	1.00	10	02/25/2022 06:56	WG1823209
trans-1,2-Dichloroethene	2.36		0.0572	0.200	1	02/24/2022 08:39	WG1822900
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2022 08:39	WG1822900
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2022 08:39	WG1822900
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2022 08:39	WG1822900
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2022 08:39	WG1822900
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2022 08:39	WG1822900
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2022 08:39	WG1822900
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2022 08:39	WG1822900
Ethylbenzene	U		0.0212	0.100	1	02/24/2022 08:39	WG1822900
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2022 08:39	WG1822900
Isopropylbenzene	U		0.0345	0.100	1	02/24/2022 08:39	WG1822900
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2022 08:39	WG1822900
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2022 08:39	WG1822900
Methylene Chloride	U		0.265	1.00	1	02/24/2022 08:39	WG1822900
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2022 08:39	WG1822900
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2022 08:39	WG1822900
Naphthalene	U	UJ C3	0.124	0.500	1	02/24/2022 08:39	WG1822900
n-Propylbenzene	U		0.0472	0.200	1	02/24/2022 08:39	WG1822900
Styrene	U		0.109	0.500	1	02/24/2022 08:39	WG1822900
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2022 08:39	WG1822900
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	02/24/2022 08:39	WG1822900
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2022 08:39	WG1822900
Tetrachloroethene	U		0.0280	0.100	1	02/24/2022 08:39	WG1822900
Toluene	0.110	U J	0.0500	0.200	1	02/24/2022 08:39	WG1822900
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2022 08:39	WG1822900
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2022 08:39	WG1822900
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2022 08:39	WG1822900
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2022 08:39	WG1822900
Trichloroethene	0.426		0.0160	0.0400	1	02/24/2022 08:39	WG1822900
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2022 08:39	WG1822900
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2022 08:39	WG1822900
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2022 08:39	WG1822900
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2022 08:39	WG1822900
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2022 08:39	WG1822900
Vinyl chloride	383		0.273	1.00	10	02/25/2022 06:56	WG1823209
Xylenes, Total	U		0.191	0.260	1	02/24/2022 08:39	WG1822900
Ethyl Ether	U		0.0170	0.100	1	02/24/2022 08:39	WG1822900
Tetrahydrofuran	4.46		0.0900	0.500	1	02/24/2022 08:39	WG1822900
Iodomethane	U		0.242	0.500	1	02/24/2022 08:39	WG1822900
Allyl chloride	U		0.580	1.00	1	02/24/2022 08:39	WG1822900
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2022 08:39	WG1822900
(S) Toluene-d8	101			75.0-131		02/24/2022 08:39	WG1822900
(S) Toluene-d8	95.5			75.0-131		02/25/2022 06:56	WG1823209
(S) 4-Bromofluorobenzene	101			67.0-138		02/24/2022 08:39	WG1822900
(S) 4-Bromofluorobenzene	95.9			67.0-138		02/25/2022 06:56	WG1823209
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2022 08:39	WG1822900
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/25/2022 06:56	WG1823209

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	508000		8450	20000	1	02/23/2022 12:45	<a href="#">WG1822229</a>

Sample Narrative:

L1463646-14 WG1822229: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	13400		594	5000	1	02/24/2022 14:50	<a href="#">WG1823081</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	3570		102	1000	1	02/22/2022 20:36	<a href="#">WG1821754</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	6150		28.1	100	1	02/22/2022 16:03	<a href="#">WG1821051</a>
Manganese	1330		0.704	5.00	1	02/22/2022 16:03	<a href="#">WG1821051</a>

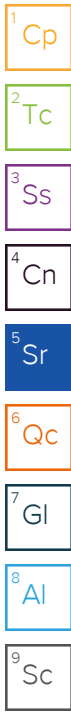
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4870		0.287	0.678	1	02/23/2022 13:52	<a href="#">WG1821931</a>
Ethane	149		0.296	1.29	1	02/23/2022 13:52	<a href="#">WG1821931</a>
Ethene	180		0.422	1.27	1	02/23/2022 13:52	<a href="#">WG1821931</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U	<del>J3 J4</del>	5.48	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Acrylonitrile	U	<del>J3</del>	0.760	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Benzene	U		0.160	0.400	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Bromobenzene	U		0.420	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Bromodichloromethane	U		0.315	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Bromoform	U		2.39	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Bromomethane	U		1.48	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
n-Butylbenzene	U		1.53	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
sec-Butylbenzene	U		1.01	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
tert-Butylbenzene	U		0.620	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Carbon tetrachloride	U		0.432	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Chlorobenzene	U		0.229	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Chlorodibromomethane	U		0.180	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Chloroethane	U		0.432	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Chloroform	U		0.166	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Chloromethane	U		0.556	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
2-Chlorotoluene	U		0.368	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
4-Chlorotoluene	U		0.452	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2-Dibromoethane	U		0.210	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Dibromomethane	U		0.400	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.680	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Dichlorodifluoromethane	U		0.327	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1-Dichloroethane	U		0.230	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2-Dichloroethane	U		0.190	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1-Dichloroethene	U		0.200	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
cis-1,2-Dichloroethene	42.5		0.276	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
trans-1,2-Dichloroethene	1.45	<u>U</u>	0.572	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2-Dichloropropane	U		0.508	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1-Dichloropropene	U		0.280	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,3-Dichloropropane	U		0.700	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
2,2-Dichloropropane	U		0.317	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Di-isopropyl ether	U		0.140	0.400	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Ethylbenzene	U		0.212	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Isopropylbenzene	U		0.345	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
p-Isopropyltoluene	U		0.932	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
2-Butanone (MEK)	U		5.00	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Methylene Chloride	U		2.65	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Methyl tert-butyl ether	U		0.118	0.400	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Naphthalene	U		1.24	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
n-Propylbenzene	U		0.472	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Styrene	U		1.09	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1,2,2-Tetrachloroethane	U	<u>UJ</u> <u>C3</u>	0.156	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Tetrachloroethene	U		0.280	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Toluene	U		0.500	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,1,2-Trichloroethane	U		0.353	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Trichloroethene	U		0.160	0.400	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Trichlorofluoromethane	U		0.200	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Vinyl chloride	315		0.273	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Xylenes, Total	U		1.91	2.60	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Ethyl Ether	U		0.170	1.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Tetrahydrofuran	U	<del>UJ</del> <u>J3 J4</u>	0.900	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Iodomethane	U		2.42	5.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Allyl chloride	U		5.80	10.0	10	02/25/2022 07:15	<a href="#">WG1823209</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/25/2022 07:15	<a href="#">WG1823209</a>
(S) Toluene-d8	98.0			75.0-131		02/25/2022 07:15	<a href="#">WG1823209</a>
(S) 4-Bromofluorobenzene	97.7			67.0-138		02/25/2022 07:15	<a href="#">WG1823209</a>
(S) 1,2-Dichloroethane-d4	122			70.0-130		02/25/2022 07:15	<a href="#">WG1823209</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	191000		8450	20000	1	02/23/2022 12:48	<a href="#">WG1822229</a>

Sample Narrative:

L1463646-15 WG1822229: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	44700		594	5000	1	02/24/2022 15:05	<a href="#">WG1823081</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1670	<del>B</del>	102	1000	1	02/22/2022 20:49	<a href="#">WG1821754</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	278		28.1	100	1	02/22/2022 16:07	<a href="#">WG1821051</a>
Manganese	11.1		0.704	5.00	1	02/22/2022 16:07	<a href="#">WG1821051</a>

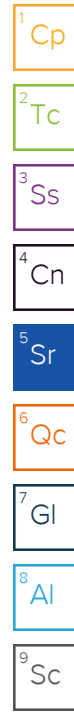
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	02/23/2022 14:05	<a href="#">WG1821931</a>
Ethane	U		0.296	1.29	1	02/23/2022 14:05	<a href="#">WG1821931</a>
Ethene	U		0.422	1.27	1	02/23/2022 14:05	<a href="#">WG1821931</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Acrylonitrile	U		0.0760	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Benzene	U		0.0160	0.0400	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Bromobenzene	U		0.0420	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Bromodichloromethane	U		0.0315	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Bromoform	U		0.239	1.00	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Bromomethane	U		0.148	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
n-Butylbenzene	U		0.153	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
sec-Butylbenzene	U		0.101	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Chlorobenzene	U		0.0229	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Chloroethane	U		0.0432	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Chloroform	U		0.0166	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Chloromethane	U		0.0556	0.500	1	02/24/2022 08:58	<a href="#">WG1822900</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/24/2022 08:58	<a href="#">WG1822900</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2022 08:58	<a href="#">WG1822900</a>
Dibromomethane	U		0.0400	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2022 08:58	<a href="#">WG1822900</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2022 08:58	WG1822900
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2022 08:58	WG1822900
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2022 08:58	WG1822900
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2022 08:58	WG1822900
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2022 08:58	WG1822900
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2022 08:58	WG1822900
cis-1,2-Dichloroethene	0.104		0.0276	0.100	1	02/25/2022 07:34	WG1823209
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2022 08:58	WG1822900
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2022 08:58	WG1822900
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2022 08:58	WG1822900
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2022 08:58	WG1822900
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2022 08:58	WG1822900
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2022 08:58	WG1822900
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2022 08:58	WG1822900
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2022 08:58	WG1822900
Ethylbenzene	U		0.0212	0.100	1	02/24/2022 08:58	WG1822900
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2022 08:58	WG1822900
Isopropylbenzene	U		0.0345	0.100	1	02/24/2022 08:58	WG1822900
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2022 08:58	WG1822900
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2022 08:58	WG1822900
Methylene Chloride	U		0.265	1.00	1	02/24/2022 08:58	WG1822900
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2022 08:58	WG1822900
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2022 08:58	WG1822900
Naphthalene	U	UJ C3	0.124	0.500	1	02/24/2022 08:58	WG1822900
n-Propylbenzene	U		0.0472	0.200	1	02/24/2022 08:58	WG1822900
Styrene	U		0.109	0.500	1	02/24/2022 08:58	WG1822900
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2022 08:58	WG1822900
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	02/24/2022 08:58	WG1822900
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2022 08:58	WG1822900
Tetrachloroethene	3.86		0.0280	0.100	1	02/24/2022 08:58	WG1822900
Toluene	U		0.0500	0.200	1	02/24/2022 08:58	WG1822900
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2022 08:58	WG1822900
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2022 08:58	WG1822900
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2022 08:58	WG1822900
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2022 08:58	WG1822900
Trichloroethene	0.489		0.0160	0.0400	1	02/24/2022 08:58	WG1822900
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2022 08:58	WG1822900
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2022 08:58	WG1822900
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2022 08:58	WG1822900
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2022 08:58	WG1822900
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2022 08:58	WG1822900
Vinyl chloride	U		0.0273	0.100	1	02/25/2022 07:34	WG1823209
Xylenes, Total	U		0.191	0.260	1	02/24/2022 08:58	WG1822900
Ethyl Ether	U		0.0170	0.100	1	02/24/2022 08:58	WG1822900
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2022 08:58	WG1822900
Iodomethane	U		0.242	0.500	1	02/24/2022 08:58	WG1822900
Allyl chloride	U		0.580	1.00	1	02/24/2022 08:58	WG1822900
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2022 08:58	WG1822900
(S) Toluene-d8	99.2			75.0-131		02/24/2022 08:58	WG1822900
(S) Toluene-d8	96.9			75.0-131		02/25/2022 07:34	WG1823209
(S) 4-Bromofluorobenzene	96.3			67.0-138		02/24/2022 08:58	WG1822900
(S) 4-Bromofluorobenzene	100			67.0-138		02/25/2022 07:34	WG1823209
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2022 08:58	WG1822900
(S) 1,2-Dichloroethane-d4	126			70.0-130		02/25/2022 07:34	WG1823209

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.68	U <del>C5</del>	0.548	1.00	1	02/28/2022 11:19	WG1824612
Acrylonitrile	U	UJ C3	0.0760	0.500	1	02/28/2022 11:19	WG1824612
Benzene	0.183		0.0160	0.0400	1	02/28/2022 11:19	WG1824612
Bromobenzene	U		0.0420	0.500	1	02/28/2022 11:19	WG1824612
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 11:19	WG1824612
Bromoform	U		0.239	1.00	1	02/28/2022 11:19	WG1824612
Bromomethane	U		0.148	0.500	1	02/28/2022 11:19	WG1824612
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 11:19	WG1824612
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 11:19	WG1824612
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 11:19	WG1824612
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 11:19	WG1824612
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 11:19	WG1824612
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 11:19	WG1824612
Chloroethane	U		0.0432	0.200	1	02/28/2022 11:19	WG1824612
Chloroform	U		0.0166	0.100	1	02/28/2022 11:19	WG1824612
Chloromethane	U		0.0556	0.500	1	02/28/2022 11:19	WG1824612
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 11:19	WG1824612
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 11:19	WG1824612
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/28/2022 11:19	WG1824612
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 11:19	WG1824612
Dibromomethane	U		0.0400	0.200	1	02/28/2022 11:19	WG1824612
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 11:19	WG1824612
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 11:19	WG1824612
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 11:19	WG1824612
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 11:19	WG1824612
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 11:19	WG1824612
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 11:19	WG1824612
1,1-Dichloroethene	1.02		0.0200	0.100	1	02/28/2022 11:19	WG1824612
cis-1,2-Dichloroethene	1040		0.690	2.50	25	03/01/2022 22:20	WG1825410
trans-1,2-Dichloroethene	26.8		0.0572	0.200	1	02/28/2022 11:19	WG1824612
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 11:19	WG1824612
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 11:19	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 11:19	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 11:19	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 11:19	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 11:19	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 11:19	WG1824612
Ethylbenzene	0.0340	J	0.0212	0.100	1	02/28/2022 11:19	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 11:19	WG1824612
Isopropylbenzene	0.0610	J	0.0345	0.100	1	02/28/2022 11:19	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 11:19	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 11:19	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 11:19	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 11:19	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 11:19	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 11:19	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 11:19	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 11:19	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 11:19	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 11:19	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 11:19	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 11:19	WG1824612
Toluene	0.501		0.0500	0.200	1	02/28/2022 11:19	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 11:19	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 11:19	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 11:19	WG1824612

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Trichloroethene	0.153		0.0160	0.0400	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 11:19	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 11:19	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 11:19	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 11:19	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Vinyl chloride	719		0.682	2.50	25	03/01/2022 22:20	<a href="#">WG1825410</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Tetrahydrofuran	6.18		0.0900	0.500	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 11:19	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 11:19	<a href="#">WG1824612</a>
(S) Toluene-d8	98.6			75.0-131		02/28/2022 11:19	<a href="#">WG1824612</a>
(S) Toluene-d8	106			75.0-131		03/01/2022 22:20	<a href="#">WG1825410</a>
(S) 4-Bromofluorobenzene	96.1			67.0-138		02/28/2022 11:19	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	98.4			67.0-138		03/01/2022 22:20	<a href="#">WG1825410</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/28/2022 11:19	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		03/01/2022 22:20	<a href="#">WG1825410</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Benzene	0.0220	J	0.0160	0.0400	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Chloroethane	0.337		0.0432	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	0.452		0.0276	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	1.52		0.0572	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Methylene Chloride	U		0.265	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Styrene	U		0.109	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Toluene	0.0520	J	0.0500	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Trichloroethene	0.0320	J	0.0160	0.0400	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Vinyl chloride	3.88		0.0273	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 07:09	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 07:09	<a href="#">WG1824612</a>
(S) Toluene-d8	95.3			75.0-131		02/28/2022 07:09	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	97.1			67.0-138		02/28/2022 07:09	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/28/2022 07:09	<a href="#">WG1824612</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		137	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Acrylonitrile	U	UJ C3	19.0	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Benzene	U		4.00	10.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Bromobenzene	U		10.5	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Bromodichloromethane	U		7.88	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Bromoform	U		59.8	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Bromomethane	U		37.0	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
n-Butylbenzene	U		38.3	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
sec-Butylbenzene	U		25.3	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
tert-Butylbenzene	U		15.5	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Carbon tetrachloride	U		10.8	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Chlorobenzene	U		5.73	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Chlorodibromomethane	U		4.50	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Chloroethane	U		10.8	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Chloroform	U		4.15	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Chloromethane	U		13.9	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
2-Chlorotoluene	U		9.20	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
4-Chlorotoluene	U		11.3	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	51.0	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		5.25	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Dibromomethane	U		10.0	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		8.18	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		5.75	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		4.75	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1-Dichloroethene	15.0	J	5.00	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	11300		6.90	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	64.3		14.3	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		12.7	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1-Dichloropropene	U		7.00	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,3-Dichloropropane	U		17.5	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
cis-1,3-Dichloropropene	U		6.78	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
trans-1,3-Dichloropropene	U		15.3	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
2,2-Dichloropropane	U		7.93	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Di-isopropyl ether	U		3.50	10.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Ethylbenzene	U		5.30	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Hexachloro-1,3-butadiene	U		127	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Isopropylbenzene	U		8.63	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
p-Isopropyltoluene	U		23.3	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
2-Butanone (MEK)	U		125	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Methylene Chloride	U		66.3	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
4-Methyl-2-pentanone (MIBK)	U		100	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Methyl tert-butyl ether	U		2.95	10.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Naphthalene	U	UJ C3	31.0	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
n-Propylbenzene	U		11.8	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Styrene	U		27.3	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Tetrachloroethene	U		7.00	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Toluene	U		12.5	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2,3-Trichlorobenzene	U		6.25	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2,4-Trichlorobenzene	U		48.3	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Trichloroethene	U		4.00	10.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		5.00	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		51.0	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Vinyl chloride	3050		6.82	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Xylenes, Total	U		47.8	65.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Ethyl Ether	U		4.25	25.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Tetrahydrofuran	U		22.5	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Iodomethane	U		60.5	125	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Allyl chloride	U		145	250	250	02/28/2022 10:40	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	02/28/2022 10:40	<a href="#">WG1824612</a>
(S) Toluene-d8	98.0			75.0-131		02/28/2022 10:40	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	93.9			67.0-138		02/28/2022 10:40	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/28/2022 10:40	<a href="#">WG1824612</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Chloroethane	U		0.0432	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	0.220		0.0276	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Methylene Chloride	U		0.265	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Styrene	U		0.109	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Toluene	U		0.0500	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Trichloroethene	U		0.0160	0.0400	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Vinyl chloride	0.144		0.0273	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Tetrahydrofuran	U		0.0900	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 07:28	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 07:28	<a href="#">WG1824612</a>
(S) Toluene-d8	98.0			75.0-131		02/28/2022 07:28	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		02/28/2022 07:28	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		02/28/2022 07:28	<a href="#">WG1824612</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

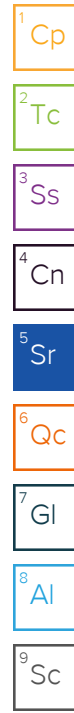
8  
Al

9  
Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.56 U	<del>C5</del>	0.548	1.00	1	02/28/2022 07:47	WG1824612
Acrylonitrile	U	UJ C3	0.0760	0.500	1	02/28/2022 07:47	WG1824612
Benzene	0.0300	J	0.0160	0.0400	1	02/28/2022 07:47	WG1824612
Bromobenzene	U		0.0420	0.500	1	02/28/2022 07:47	WG1824612
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 07:47	WG1824612
Bromoform	U		0.239	1.00	1	02/28/2022 07:47	WG1824612
Bromomethane	U		0.148	0.500	1	02/28/2022 07:47	WG1824612
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 07:47	WG1824612
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 07:47	WG1824612
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 07:47	WG1824612
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 07:47	WG1824612
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 07:47	WG1824612
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 07:47	WG1824612
Chloroethane	0.390		0.0432	0.200	1	02/28/2022 07:47	WG1824612
Chloroform	U		0.0166	0.100	1	02/28/2022 07:47	WG1824612
Chloromethane	U		0.0556	0.500	1	02/28/2022 07:47	WG1824612
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 07:47	WG1824612
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 07:47	WG1824612
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/28/2022 07:47	WG1824612
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 07:47	WG1824612
Dibromomethane	U		0.0400	0.200	1	02/28/2022 07:47	WG1824612
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 07:47	WG1824612
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 07:47	WG1824612
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 07:47	WG1824612
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 07:47	WG1824612
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 07:47	WG1824612
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 07:47	WG1824612
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 07:47	WG1824612
cis-1,2-Dichloroethene	0.146		0.0276	0.100	1	02/28/2022 07:47	WG1824612
trans-1,2-Dichloroethene	2.14		0.0572	0.200	1	02/28/2022 07:47	WG1824612
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 07:47	WG1824612
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 07:47	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 07:47	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 07:47	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 07:47	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 07:47	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 07:47	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 07:47	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 07:47	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 07:47	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 07:47	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 07:47	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 07:47	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 07:47	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 07:47	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 07:47	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 07:47	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 07:47	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 07:47	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 07:47	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 07:47	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 07:47	WG1824612
Toluene	U		0.0500	0.200	1	02/28/2022 07:47	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 07:47	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 07:47	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 07:47	WG1824612



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Trichloroethene	U		0.0160	0.0400	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 07:47	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 07:47	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 07:47	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 07:47	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Vinyl chloride	1.00		0.0273	0.100	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Tetrahydrofuran	0.202	U	0.0900	0.500	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 07:47	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 07:47	<a href="#">WG1824612</a>
(S) Toluene-d8	98.6			75.0-131		02/28/2022 07:47	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	98.2			67.0-138		02/28/2022 07:47	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/28/2022 07:47	<a href="#">WG1824612</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.76	U <del>C5</del>	0.548	1.00	1	02/28/2022 08:07	WG1824612
Acrylonitrile	U	UJ <del>C3</del>	0.0760	0.500	1	02/28/2022 08:07	WG1824612
Benzene	U		0.0160	0.0400	1	02/28/2022 08:07	WG1824612
Bromobenzene	U		0.0420	0.500	1	02/28/2022 08:07	WG1824612
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 08:07	WG1824612
Bromoform	U		0.239	1.00	1	02/28/2022 08:07	WG1824612
Bromomethane	U		0.148	0.500	1	02/28/2022 08:07	WG1824612
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 08:07	WG1824612
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 08:07	WG1824612
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 08:07	WG1824612
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 08:07	WG1824612
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 08:07	WG1824612
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 08:07	WG1824612
Chloroethane	U		0.0432	0.200	1	02/28/2022 08:07	WG1824612
Chloroform	U		0.0166	0.100	1	02/28/2022 08:07	WG1824612
Chloromethane	U		0.0556	0.500	1	02/28/2022 08:07	WG1824612
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 08:07	WG1824612
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 08:07	WG1824612
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3</del>	0.204	1.00	1	02/28/2022 08:07	WG1824612
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 08:07	WG1824612
Dibromomethane	U		0.0400	0.200	1	02/28/2022 08:07	WG1824612
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 08:07	WG1824612
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 08:07	WG1824612
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 08:07	WG1824612
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 08:07	WG1824612
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 08:07	WG1824612
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 08:07	WG1824612
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 08:07	WG1824612
cis-1,2-Dichloroethene	5.43		0.0276	0.100	1	02/28/2022 08:07	WG1824612
trans-1,2-Dichloroethene	0.0700	J	0.0572	0.200	1	02/28/2022 08:07	WG1824612
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 08:07	WG1824612
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 08:07	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 08:07	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 08:07	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 08:07	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 08:07	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 08:07	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 08:07	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 08:07	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 08:07	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 08:07	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 08:07	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 08:07	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 08:07	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 08:07	WG1824612
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	02/28/2022 08:07	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 08:07	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 08:07	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 08:07	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 08:07	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 08:07	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 08:07	WG1824612
Toluene	0.0740	J	0.0500	0.200	1	02/28/2022 08:07	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 08:07	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 08:07	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 08:07	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Trichloroethene	U		0.0160	0.0400	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 08:07	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 08:07	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 08:07	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 08:07	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Vinyl chloride	0.932		0.0273	0.100	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Tetrahydrofuran	0.441	U	0.0900	0.500	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 08:07	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 08:07	<a href="#">WG1824612</a>
(S) Toluene-d8	99.6			75.0-131		02/28/2022 08:07	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		02/28/2022 08:07	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/28/2022 08:07	<a href="#">WG1824612</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	52.9	U <del>BJ</del>	31.6	100	1	02/28/2022 00:02	<a href="#">WG1824605</a>
(S) a,a,a-Trifluorotoluene(FID)	108			78.0-120		02/28/2022 00:02	<a href="#">WG1824605</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.25	U <del>C5</del>	0.548	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Acrylonitrile	U	UJ <del>C3</del>	0.0760	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Benzene	0.0230	J	0.0160	0.0400	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Chloroethane	U		0.0432	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3</del>	0.204	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	0.168		0.0276	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Methylene Chloride	U		0.265	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Styrene	U		0.109	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Toluene	U		0.0500	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Trichloroethene	U		0.0160	0.0400	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Vinyl chloride	2.96		0.0273	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Xylenes, Total	U		0.191	0.260	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Ethyl Ether	0.172		0.0170	0.100	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Tetrahydrofuran	1.83		0.0900	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Iodomethane	U		0.242	0.500	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Allyl chloride	U		0.580	1.00	1	02/28/2022 08:26	<a href="#">WG1824612</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 08:26	<a href="#">WG1824612</a>
(S) Toluene-d8	100			75.0-131		02/28/2022 08:26	<a href="#">WG1824612</a>
(S) 4-Bromofluorobenzene	101			67.0-138		02/28/2022 08:26	<a href="#">WG1824612</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		02/28/2022 08:26	<a href="#">WG1824612</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8680		594	5000	1	02/26/2022 18:40	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2010	<u>B</u>	102	1000	1	03/02/2022 12:56	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	348		28.1	100	1	03/02/2022 02:48	<a href="#">WG1824399</a>
Manganese	692		0.704	5.00	1	03/02/2022 02:48	<a href="#">WG1824399</a>

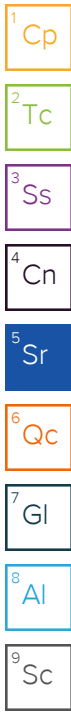
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	105		0.287	0.678	1	03/02/2022 15:45	<a href="#">WG1825347</a>
Ethane	0.519	<u>J</u>	0.296	1.29	1	03/02/2022 15:45	<a href="#">WG1825347</a>
Ethene	0.580	<u>J</u>	0.422	1.27	1	03/02/2022 15:45	<a href="#">WG1825347</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Acrylonitrile	U	<u>UJ</u> <u>C3</u>	0.0760	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Chloroethane	0.449		0.0432	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 08:45	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,1-Dichloroethene	1.93		0.0200	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	45.1		0.0276	0.100	1	02/28/2022 08:45	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	0.625		0.0572	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 08:45	<a href="#">WG1824612</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 08:45	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 08:45	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 08:45	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 08:45	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 08:45	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 08:45	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 08:45	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 08:45	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 08:45	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 08:45	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 08:45	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 08:45	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 08:45	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 08:45	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 08:45	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 08:45	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 08:45	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 08:45	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 08:45	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 08:45	WG1824612
Tetrachloroethene	1.13		0.0280	0.100	1	02/28/2022 08:45	WG1824612
Toluene	U		0.0500	0.200	1	02/28/2022 08:45	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 08:45	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 08:45	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 08:45	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 08:45	WG1824612
Trichloroethene	15.4		0.0160	0.0400	1	02/28/2022 08:45	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 08:45	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 08:45	WG1824612
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 08:45	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 08:45	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 08:45	WG1824612
Vinyl chloride	1.91		0.0273	0.100	1	02/28/2022 08:45	WG1824612
Xylenes, Total	U		0.191	0.260	1	02/28/2022 08:45	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 08:45	WG1824612
Tetrahydrofuran	U		0.0900	0.500	1	02/28/2022 08:45	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 08:45	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 08:45	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 08:45	WG1824612
(S) Toluene-d8	98.6			75.0-131		02/28/2022 08:45	WG1824612
(S) 4-Bromofluorobenzene	95.4			67.0-138		02/28/2022 08:45	WG1824612
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/28/2022 08:45	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	69600		5940	50000	10	02/26/2022 20:15	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7850		102	1000	1	03/02/2022 14:16	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11700		28.1	100	1	03/02/2022 02:51	<a href="#">WG1824399</a>
Manganese	6350		0.704	5.00	1	03/02/2022 02:51	<a href="#">WG1824399</a>

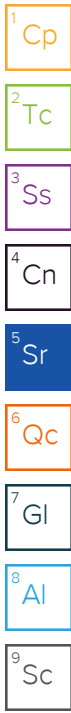
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12700		2.87	6.78	10	03/03/2022 16:14	<a href="#">WG1826357</a>
Ethane	3.37		0.296	1.29	1	03/02/2022 15:55	<a href="#">WG1825347</a>
Ethene	U		0.422	1.27	1	03/02/2022 15:55	<a href="#">WG1825347</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.63	U <del>C5</del>	0.548	1.00	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Acrylonitrile	U	UJ <del>C3</del>	0.0760	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Benzene	0.0430		0.0160	0.0400	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Chloroethane	U		0.0432	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 09:04	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3</del>	0.204	1.00	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,1-Dichloroethene	0.0480	J	0.0200	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	5.15		0.0276	0.100	1	02/28/2022 09:04	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 09:04	<a href="#">WG1824612</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 09:04	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 09:04	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 09:04	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 09:04	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 09:04	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 09:04	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 09:04	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 09:04	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 09:04	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 09:04	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 09:04	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 09:04	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 09:04	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 09:04	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 09:04	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 09:04	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 09:04	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 09:04	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 09:04	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 09:04	WG1824612
Tetrachloroethene	0.0470	U	0.0280	0.100	1	02/28/2022 09:04	WG1824612
Toluene	U		0.0500	0.200	1	02/28/2022 09:04	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 09:04	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 09:04	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 09:04	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 09:04	WG1824612
Trichloroethene	0.268		0.0160	0.0400	1	02/28/2022 09:04	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 09:04	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 09:04	WG1824612
1,2,4-Trimethylbenzene	0.0680	U	0.0464	0.200	1	02/28/2022 09:04	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 09:04	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 09:04	WG1824612
Vinyl chloride	1.27		0.0273	0.100	1	02/28/2022 09:04	WG1824612
Xylenes, Total	U		0.191	0.260	1	02/28/2022 09:04	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 09:04	WG1824612
Tetrahydrofuran	14.3		0.0900	0.500	1	02/28/2022 09:04	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 09:04	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 09:04	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 09:04	WG1824612
(S) Toluene-d8	99.0			75.0-131		02/28/2022 09:04	WG1824612
(S) 4-Bromofluorobenzene	95.7			67.0-138		02/28/2022 09:04	WG1824612
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/28/2022 09:04	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8480		594	5000	1	02/26/2022 20:34	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2030	<u>B</u>	102	1000	1	03/02/2022 14:47	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	328		28.1	100	1	03/02/2022 02:54	<a href="#">WG1824399</a>
Manganese	711		0.704	5.00	1	03/02/2022 02:54	<a href="#">WG1824399</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	84.9		0.287	0.678	1	03/02/2022 15:59	<a href="#">WG1825347</a>
Ethane	0.435	<u>J</u>	0.296	1.29	1	03/02/2022 15:59	<a href="#">WG1825347</a>
Ethene	U		0.422	1.27	1	03/02/2022 15:59	<a href="#">WG1825347</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Acrylonitrile	U	<u>UJ</u>	0.0760	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Chloroethane	0.501		0.0432	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 09:24	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u>	0.204	1.00	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,1-Dichloroethene	1.98		0.0200	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	45.4		0.0276	0.100	1	02/28/2022 09:24	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	0.602		0.0572	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 09:24	<a href="#">WG1824612</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 09:24	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 09:24	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 09:24	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 09:24	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 09:24	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 09:24	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 09:24	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 09:24	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 09:24	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 09:24	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 09:24	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 09:24	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 09:24	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 09:24	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 09:24	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 09:24	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 09:24	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 09:24	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 09:24	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 09:24	WG1824612
Tetrachloroethene	0.886		0.0280	0.100	1	02/28/2022 09:24	WG1824612
Toluene	U		0.0500	0.200	1	02/28/2022 09:24	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 09:24	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 09:24	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 09:24	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 09:24	WG1824612
Trichloroethene	15.9		0.0160	0.0400	1	02/28/2022 09:24	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 09:24	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 09:24	WG1824612
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 09:24	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 09:24	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 09:24	WG1824612
Vinyl chloride	1.95		0.0273	0.100	1	02/28/2022 09:24	WG1824612
Xylenes, Total	U		0.191	0.260	1	02/28/2022 09:24	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 09:24	WG1824612
Tetrahydrofuran	U		0.0900	0.500	1	02/28/2022 09:24	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 09:24	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 09:24	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 09:24	WG1824612
(S) Toluene-d8	98.4			75.0-131		02/28/2022 09:24	WG1824612
(S) 4-Bromofluorobenzene	90.9			67.0-138		02/28/2022 09:24	WG1824612
(S) 1,2-Dichloroethane-d4	117			70.0-130		02/28/2022 09:24	WG1824612

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4140	<u>B</u> <u>J</u>	594	5000	1	02/26/2022 20:53	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1890	<del>B</del>	102	1000	1	03/02/2022 15:14	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3340		28.1	100	1	03/02/2022 02:57	<a href="#">WG1824399</a>
Manganese	534		0.704	5.00	1	03/02/2022 02:57	<a href="#">WG1824399</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	95.6		0.287	0.678	1	03/03/2022 10:49	<a href="#">WG1825348</a>
Ethane	U		0.296	1.29	1	03/03/2022 10:49	<a href="#">WG1825348</a>
Ethene	3.55		0.422	1.27	1	03/03/2022 10:49	<a href="#">WG1825348</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.06	<u>U</u> <del>C5</del>	0.548	1.00	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Acrylonitrile	U	<u>UJ</u> <u>C3</u>	0.0760	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Chloroethane	U		0.0432	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 09:43	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,1-Dichloroethene	0.513		0.0200	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	11.3		0.0276	0.100	1	02/28/2022 09:43	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	0.338		0.0572	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 09:43	<a href="#">WG1824612</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 09:43	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 09:43	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 09:43	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 09:43	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 09:43	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 09:43	WG1824612
Ethylbenzene	0.0440	J	0.0212	0.100	1	02/28/2022 09:43	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 09:43	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 09:43	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 09:43	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 09:43	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 09:43	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 09:43	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 09:43	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 09:43	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 09:43	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 09:43	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 09:43	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 09:43	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 09:43	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 09:43	WG1824612
Toluene	0.0550	J	0.0500	0.200	1	02/28/2022 09:43	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 09:43	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 09:43	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 09:43	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 09:43	WG1824612
Trichloroethene	0.168		0.0160	0.0400	1	02/28/2022 09:43	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 09:43	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 09:43	WG1824612
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 09:43	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 09:43	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 09:43	WG1824612
Vinyl chloride	12.5		0.0273	0.100	1	02/28/2022 09:43	WG1824612
Xylenes, Total	0.267		0.191	0.260	1	02/28/2022 09:43	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 09:43	WG1824612
Tetrahydrofuran	1.59		0.0900	0.500	1	02/28/2022 09:43	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 09:43	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 09:43	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 09:43	WG1824612
(S) Toluene-d8	96.9			75.0-131		02/28/2022 09:43	WG1824612
(S) 4-Bromofluorobenzene	100			67.0-138		02/28/2022 09:43	WG1824612
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/28/2022 09:43	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1760	<u>B</u> J	594	5000	1	02/26/2022 21:12	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8640		102	1000	1	03/02/2022 15:41	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8820		28.1	100	1	03/02/2022 03:07	<a href="#">WG1824399</a>
Manganese	1340		0.704	5.00	1	03/02/2022 03:07	<a href="#">WG1824399</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20100		2.87	6.78	10	03/03/2022 16:17	<a href="#">WG1826357</a>
Ethane	138		0.296	1.29	1	03/03/2022 10:52	<a href="#">WG1825348</a>
Ethene	0.434	<u>J</u>	0.422	1.27	1	03/03/2022 10:52	<a href="#">WG1825348</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.31	<u>U</u> <del>C5</del>	0.548	1.00	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Acrylonitrile	U		0.0760	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Benzene	0.0870		0.0160	0.0400	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Bromobenzene	U		0.0420	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Bromodichloromethane	U		0.0315	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Bromoform	U		0.239	1.00	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Bromomethane	U		0.148	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
n-Butylbenzene	U		0.153	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
sec-Butylbenzene	U		0.101	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Carbon tetrachloride	U	<u>J4</u>	0.0432	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Chlorobenzene	U		0.0229	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Chloroethane	U		0.0432	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Chloroform	U		0.0166	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Chloromethane	U		0.0556	0.500	1	03/01/2022 22:01	<a href="#">WG1825410</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Dibromomethane	U		0.0400	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
cis-1,2-Dichloroethene	6.97		0.0276	0.100	1	03/01/2022 22:01	<a href="#">WG1825410</a>
trans-1,2-Dichloroethene	3.97		0.0572	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/01/2022 22:01	<a href="#">WG1825410</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/01/2022 22:01	WG1825410
1,3-Dichloropropane	U		0.0700	0.200	1	03/01/2022 22:01	WG1825410
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/01/2022 22:01	WG1825410
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/01/2022 22:01	WG1825410
2,2-Dichloropropane	U		0.0317	0.100	1	03/01/2022 22:01	WG1825410
Di-isopropyl ether	U		0.0140	0.0400	1	03/01/2022 22:01	WG1825410
Ethylbenzene	U		0.0212	0.100	1	03/01/2022 22:01	WG1825410
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/01/2022 22:01	WG1825410
Isopropylbenzene	0.0480	U	0.0345	0.100	1	03/01/2022 22:01	WG1825410
p-Isopropyltoluene	0.147	U	0.0932	0.200	1	03/01/2022 22:01	WG1825410
2-Butanone (MEK)	U		0.500	1.00	1	03/01/2022 22:01	WG1825410
Methylene Chloride	U		0.265	1.00	1	03/01/2022 22:01	WG1825410
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/01/2022 22:01	WG1825410
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/01/2022 22:01	WG1825410
Naphthalene	U		0.124	0.500	1	03/01/2022 22:01	WG1825410
n-Propylbenzene	U		0.0472	0.200	1	03/01/2022 22:01	WG1825410
Styrene	U		0.109	0.500	1	03/01/2022 22:01	WG1825410
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/01/2022 22:01	WG1825410
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/01/2022 22:01	WG1825410
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/01/2022 22:01	WG1825410
Tetrachloroethene	0.274		0.0280	0.100	1	03/01/2022 22:01	WG1825410
Toluene	0.641		0.0500	0.200	1	03/01/2022 22:01	WG1825410
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/01/2022 22:01	WG1825410
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/01/2022 22:01	WG1825410
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/01/2022 22:01	WG1825410
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/01/2022 22:01	WG1825410
Trichloroethene	0.668		0.0160	0.0400	1	03/01/2022 22:01	WG1825410
Trichlorofluoromethane	U		0.0200	0.100	1	03/01/2022 22:01	WG1825410
1,2,3-Trichloropropane	U		0.204	0.500	1	03/01/2022 22:01	WG1825410
1,2,4-Trimethylbenzene	0.113	U	0.0464	0.200	1	03/01/2022 22:01	WG1825410
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/01/2022 22:01	WG1825410
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/01/2022 22:01	WG1825410
Vinyl chloride	1.85		0.0273	0.100	1	03/01/2022 22:01	WG1825410
Xylenes, Total	0.192	U	0.191	0.260	1	03/01/2022 22:01	WG1825410
Ethyl Ether	U		0.0170	0.100	1	03/01/2022 22:01	WG1825410
Tetrahydrofuran	51.7		0.0900	0.500	1	03/01/2022 22:01	WG1825410
Iodomethane	U		0.242	0.500	1	03/01/2022 22:01	WG1825410
Allyl chloride	U		0.580	1.00	1	03/01/2022 22:01	WG1825410
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/01/2022 22:01	WG1825410
(S) Toluene-d8	99.7			75.0-131		03/01/2022 22:01	WG1825410
(S) 4-Bromofluorobenzene	99.2			67.0-138		03/01/2022 22:01	WG1825410
(S) 1,2-Dichloroethane-d4	108			70.0-130		03/01/2022 22:01	WG1825410

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2440	<u>B</u> J	594	5000	1	02/26/2022 21:31	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1240	<u>B</u>	102	1000	1	03/02/2022 17:51	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8180		28.1	100	1	03/02/2022 03:11	<a href="#">WG1824399</a>
Manganese	425		0.704	5.00	1	03/02/2022 03:11	<a href="#">WG1824399</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	119		0.287	0.678	1	03/03/2022 10:55	<a href="#">WG1825348</a>
Ethane	U		0.296	1.29	1	03/03/2022 10:55	<a href="#">WG1825348</a>
Ethene	U		0.422	1.27	1	03/03/2022 10:55	<a href="#">WG1825348</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Acrylonitrile	U	<u>UJ</u> <u>C3</u>	0.0760	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Chloroethane	U		0.0432	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 10:02	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,1-Dichloroethene	0.0470	<u>J</u>	0.0200	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	3.08		0.0276	0.100	1	02/28/2022 10:02	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 10:02	<a href="#">WG1824612</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 10:02	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 10:02	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 10:02	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 10:02	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 10:02	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 10:02	WG1824612
Ethylbenzene	0.0960	U	0.0212	0.100	1	02/28/2022 10:02	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 10:02	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 10:02	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 10:02	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 10:02	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 10:02	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 10:02	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 10:02	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 10:02	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 10:02	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 10:02	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 10:02	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 10:02	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 10:02	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 10:02	WG1824612
Toluene	0.0670	U	0.0500	0.200	1	02/28/2022 10:02	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 10:02	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 10:02	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 10:02	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 10:02	WG1824612
Trichloroethene	0.127		0.0160	0.0400	1	02/28/2022 10:02	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 10:02	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 10:02	WG1824612
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 10:02	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 10:02	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 10:02	WG1824612
Vinyl chloride	0.929		0.0273	0.100	1	02/28/2022 10:02	WG1824612
Xylenes, Total	0.400		0.191	0.260	1	02/28/2022 10:02	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 10:02	WG1824612
Tetrahydrofuran	U		0.0900	0.500	1	02/28/2022 10:02	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 10:02	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 10:02	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 10:02	WG1824612
(S) Toluene-d8	98.8			75.0-131		02/28/2022 10:02	WG1824612
(S) 4-Bromofluorobenzene	92.9			67.0-138		02/28/2022 10:02	WG1824612
(S) 1,2-Dichloroethane-d4	117			70.0-130		02/28/2022 10:02	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2040	<u>BJ</u>	594	5000	1	02/26/2022 21:50	<a href="#">WG1824101</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4630		102	1000	1	03/02/2022 18:23	<a href="#">WG1825365</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1170		28.1	100	1	03/02/2022 03:14	<a href="#">WG1824399</a>
Manganese	1210		0.704	5.00	1	03/02/2022 03:14	<a href="#">WG1824399</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7800		2.87	6.78	10	03/03/2022 16:20	<a href="#">WG1826357</a>
Ethane	131		0.296	1.29	1	03/03/2022 10:58	<a href="#">WG1825348</a>
Ethene	U		0.422	1.27	1	03/03/2022 10:58	<a href="#">WG1825348</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.24	<u>U</u> <del>C5</del>	0.548	1.00	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Acrylonitrile	U	<u>UJ</u> <u>C3</u>	0.0760	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Benzene	U		0.0160	0.0400	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Bromobenzene	U		0.0420	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Bromodichloromethane	U		0.0315	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Bromoform	U		0.239	1.00	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Bromomethane	U		0.148	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
n-Butylbenzene	U		0.153	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
sec-Butylbenzene	U		0.101	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
tert-Butylbenzene	U		0.0620	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Carbon tetrachloride	U		0.0432	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Chlorobenzene	U		0.0229	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Chlorodibromomethane	U		0.0180	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Chloroethane	0.104	<u>J</u>	0.0432	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Chloroform	U		0.0166	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Chloromethane	U		0.0556	0.500	1	02/28/2022 10:21	<a href="#">WG1824612</a>
2-Chlorotoluene	U		0.0368	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
4-Chlorotoluene	U		0.0452	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,2-Dibromoethane	U		0.0210	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Dibromomethane	U		0.0400	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,1-Dichloroethane	U		0.0230	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,2-Dichloroethane	U		0.0190	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,1-Dichloroethene	U		0.0200	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
cis-1,2-Dichloroethene	0.159		0.0276	0.100	1	02/28/2022 10:21	<a href="#">WG1824612</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>
1,2-Dichloropropane	U		0.0508	0.200	1	02/28/2022 10:21	<a href="#">WG1824612</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	02/28/2022 10:21	WG1824612
1,3-Dichloropropane	U		0.0700	0.200	1	02/28/2022 10:21	WG1824612
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/28/2022 10:21	WG1824612
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/28/2022 10:21	WG1824612
2,2-Dichloropropane	U		0.0317	0.100	1	02/28/2022 10:21	WG1824612
Di-isopropyl ether	U		0.0140	0.0400	1	02/28/2022 10:21	WG1824612
Ethylbenzene	U		0.0212	0.100	1	02/28/2022 10:21	WG1824612
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/28/2022 10:21	WG1824612
Isopropylbenzene	U		0.0345	0.100	1	02/28/2022 10:21	WG1824612
p-Isopropyltoluene	U		0.0932	0.200	1	02/28/2022 10:21	WG1824612
2-Butanone (MEK)	U		0.500	1.00	1	02/28/2022 10:21	WG1824612
Methylene Chloride	U		0.265	1.00	1	02/28/2022 10:21	WG1824612
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/28/2022 10:21	WG1824612
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/28/2022 10:21	WG1824612
Naphthalene	U	UJ C3	0.124	0.500	1	02/28/2022 10:21	WG1824612
n-Propylbenzene	U		0.0472	0.200	1	02/28/2022 10:21	WG1824612
Styrene	U		0.109	0.500	1	02/28/2022 10:21	WG1824612
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/28/2022 10:21	WG1824612
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/28/2022 10:21	WG1824612
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/28/2022 10:21	WG1824612
Tetrachloroethene	U		0.0280	0.100	1	02/28/2022 10:21	WG1824612
Toluene	U		0.0500	0.200	1	02/28/2022 10:21	WG1824612
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/28/2022 10:21	WG1824612
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/28/2022 10:21	WG1824612
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/28/2022 10:21	WG1824612
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/28/2022 10:21	WG1824612
Trichloroethene	0.0690		0.0160	0.0400	1	02/28/2022 10:21	WG1824612
Trichlorofluoromethane	U		0.0200	0.100	1	02/28/2022 10:21	WG1824612
1,2,3-Trichloropropane	U		0.204	0.500	1	02/28/2022 10:21	WG1824612
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/28/2022 10:21	WG1824612
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/28/2022 10:21	WG1824612
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/28/2022 10:21	WG1824612
Vinyl chloride	U		0.0273	0.100	1	02/28/2022 10:21	WG1824612
Xylenes, Total	U		0.191	0.260	1	02/28/2022 10:21	WG1824612
Ethyl Ether	U		0.0170	0.100	1	02/28/2022 10:21	WG1824612
Tetrahydrofuran	0.289	U	0.0900	0.500	1	02/28/2022 10:21	WG1824612
Iodomethane	U		0.242	0.500	1	02/28/2022 10:21	WG1824612
Allyl chloride	U		0.580	1.00	1	02/28/2022 10:21	WG1824612
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/28/2022 10:21	WG1824612
(S) Toluene-d8	97.8			75.0-131		02/28/2022 10:21	WG1824612
(S) 4-Bromofluorobenzene	97.8			67.0-138		02/28/2022 10:21	WG1824612
(S) 1,2-Dichloroethane-d4	117			70.0-130		02/28/2022 10:21	WG1824612

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.27	U <del>C5</del>	0.548	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Carbon tetrachloride	U	<del>14</del>	0.0432	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1-Dichloroethene	0.204		0.0200	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	89.6	J +	0.138	0.500	5	03/03/2022 01:27	<a href="#">WG1826259</a>
trans-1,2-Dichloroethene	0.191	J	0.0572	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Naphthalene	U		0.124	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Tetrachloroethene	U		0.0280	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Trichloroethene	0.504		0.0160	0.0400	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	0.0720	U <del>BJ</del>	0.0464	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Vinyl chloride	81.7		0.0273	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/01/2022 23:36	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/01/2022 23:36	<a href="#">WG1825305</a>
(S) Toluene-d8	105			75.0-131		03/01/2022 23:36	<a href="#">WG1825305</a>
(S) Toluene-d8	137	J1		75.0-131		03/03/2022 01:27	<a href="#">WG1826259</a>
(S) 4-Bromofluorobenzene	99.5			67.0-138		03/01/2022 23:36	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	89.6			67.0-138		03/03/2022 01:27	<a href="#">WG1826259</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/01/2022 23:36	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	82.4			70.0-130		03/03/2022 01:27	<a href="#">WG1826259</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	8370		594	5000	1	02/27/2022 20:02	<a href="#">WG1824592</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1720		102	1000	1	03/03/2022 16:00	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2140	J	28.1	100	1	03/03/2022 16:37	<a href="#">WG1824401</a>
Manganese	406		0.704	5.00	1	03/03/2022 16:37	<a href="#">WG1824401</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Gasoline Range Organics-NWTPH	34.8	U	<del>B-J</del>	31.6	100	1	03/01/2022 01:44	<a href="#">WG1825104</a>
(S) a,a,a-Trifluorotoluene(FID)	95.5			78.0-120		03/01/2022 01:44	<a href="#">WG1825104</a>	

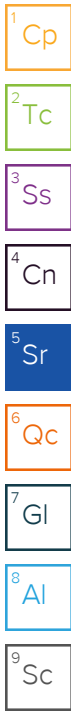
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1240		0.287	0.678	1	03/04/2022 10:18	<a href="#">WG1825932</a>
Ethane	U		0.296	1.29	1	03/04/2022 10:18	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 10:18	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	2.56	J+	<u>C5</u>	0.548	1.00	1	03/01/2022 23:55	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Benzene	U		0.0160	0.0400	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Bromobenzene	U		0.0420	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Bromoform	U		0.239	1.00	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Bromomethane	U		0.148	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
n-Butylbenzene	U		0.153	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Carbon tetrachloride	U		<del>J4</del>	0.0432	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Chloroethane	U		0.0432	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Chloroform	U		0.0166	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Chloromethane	U		0.0556	0.500	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
Dibromomethane	U		0.0400	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/01/2022 23:55	<a href="#">WG1825305</a>	

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/01/2022 23:55	WG1825305
Dichlorodifluoromethane	U		0.0327	0.100	1	03/01/2022 23:55	WG1825305
1,1-Dichloroethane	U		0.0230	0.100	1	03/01/2022 23:55	WG1825305
1,2-Dichloroethane	U		0.0190	0.100	1	03/01/2022 23:55	WG1825305
1,1-Dichloroethene	U		0.0200	0.100	1	03/01/2022 23:55	WG1825305
cis-1,2-Dichloroethene	0.324	J	0.0276	0.100	1	03/03/2022 00:48	WG1826259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/01/2022 23:55	WG1825305
1,2-Dichloropropane	U		0.0508	0.200	1	03/01/2022 23:55	WG1825305
1,1-Dichloropropene	U		0.0280	0.100	1	03/01/2022 23:55	WG1825305
1,3-Dichloropropane	U		0.0700	0.200	1	03/01/2022 23:55	WG1825305
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/01/2022 23:55	WG1825305
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/01/2022 23:55	WG1825305
2,2-Dichloropropane	U		0.0317	0.100	1	03/01/2022 23:55	WG1825305
Di-isopropyl ether	U		0.0140	0.0400	1	03/01/2022 23:55	WG1825305
Ethylbenzene	U		0.0212	0.100	1	03/01/2022 23:55	WG1825305
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/01/2022 23:55	WG1825305
Isopropylbenzene	U		0.0345	0.100	1	03/01/2022 23:55	WG1825305
p-Isopropyltoluene	U		0.0932	0.200	1	03/01/2022 23:55	WG1825305
2-Butanone (MEK)	U		0.500	1.00	1	03/01/2022 23:55	WG1825305
Methylene Chloride	U		0.265	1.00	1	03/01/2022 23:55	WG1825305
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/01/2022 23:55	WG1825305
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/01/2022 23:55	WG1825305
Naphthalene	U		0.124	0.500	1	03/01/2022 23:55	WG1825305
n-Propylbenzene	U		0.0472	0.200	1	03/01/2022 23:55	WG1825305
Styrene	U		0.109	0.500	1	03/01/2022 23:55	WG1825305
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/01/2022 23:55	WG1825305
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/01/2022 23:55	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/01/2022 23:55	WG1825305
Tetrachloroethene	0.650		0.0280	0.100	1	03/01/2022 23:55	WG1825305
Toluene	U		0.0500	0.200	1	03/01/2022 23:55	WG1825305
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/01/2022 23:55	WG1825305
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/01/2022 23:55	WG1825305
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/01/2022 23:55	WG1825305
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/01/2022 23:55	WG1825305
Trichloroethene	0.301		0.0160	0.0400	1	03/01/2022 23:55	WG1825305
Trichlorofluoromethane	U		0.0200	0.100	1	03/01/2022 23:55	WG1825305
1,2,3-Trichloropropane	U		0.204	0.500	1	03/01/2022 23:55	WG1825305
1,2,4-Trimethylbenzene	0.0780	U	0.0464	0.200	1	03/01/2022 23:55	WG1825305
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/01/2022 23:55	WG1825305
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/01/2022 23:55	WG1825305
Vinyl chloride	U		0.0273	0.100	1	03/01/2022 23:55	WG1825305
Xylenes, Total	U		0.191	0.260	1	03/01/2022 23:55	WG1825305
Ethyl Ether	U		0.0170	0.100	1	03/01/2022 23:55	WG1825305
Tetrahydrofuran	U		0.0900	0.500	1	03/01/2022 23:55	WG1825305
Iodomethane	U		0.242	0.500	1	03/01/2022 23:55	WG1825305
Allyl chloride	U		0.580	1.00	1	03/01/2022 23:55	WG1825305
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/01/2022 23:55	WG1825305
(S) Toluene-d8	99.6			75.0-131		03/01/2022 23:55	WG1825305
(S) Toluene-d8	97.5			75.0-131		03/03/2022 00:48	WG1826259
(S) 4-Bromofluorobenzene	99.8			67.0-138		03/01/2022 23:55	WG1825305
(S) 4-Bromofluorobenzene	84.3			67.0-138		03/03/2022 00:48	WG1826259
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/01/2022 23:55	WG1825305
(S) 1,2-Dichloroethane-d4	81.0			70.0-130		03/03/2022 00:48	WG1826259

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8420		594	5000	1	02/27/2022 20:16	<a href="#">WG1824592</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1600		102	1000	1	03/03/2022 17:24	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2910	J	28.1	100	1	03/03/2022 16:41	<a href="#">WG1824401</a>
Manganese	437		0.704	5.00	1	03/03/2022 16:41	<a href="#">WG1824401</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	36.2	U	<del>B</del>	31.6	100	03/01/2022 02:06	<a href="#">WG1825104</a>
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		03/01/2022 02:06	<a href="#">WG1825104</a>

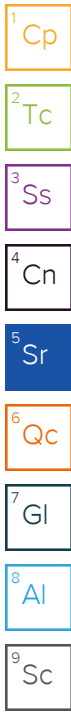
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1210		0.287	0.678	1	03/04/2022 10:21	<a href="#">WG1825932</a>
Ethane	U		0.296	1.29	1	03/04/2022 10:21	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 10:21	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 00:14	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 00:14	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 00:14	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 00:14	<a href="#">WG1825305</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 00:14	WG1825305
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 00:14	WG1825305
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 00:14	WG1825305
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 00:14	WG1825305
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 00:14	WG1825305
cis-1,2-Dichloroethene	0.198	J	0.0276	0.100	1	03/03/2022 01:08	WG1826259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 00:14	WG1825305
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 00:14	WG1825305
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 00:14	WG1825305
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 00:14	WG1825305
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 00:14	WG1825305
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 00:14	WG1825305
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 00:14	WG1825305
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 00:14	WG1825305
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 00:14	WG1825305
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 00:14	WG1825305
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 00:14	WG1825305
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 00:14	WG1825305
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 00:14	WG1825305
Methylene Chloride	U		0.265	1.00	1	03/02/2022 00:14	WG1825305
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 00:14	WG1825305
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 00:14	WG1825305
Naphthalene	U		0.124	0.500	1	03/02/2022 00:14	WG1825305
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 00:14	WG1825305
Styrene	U		0.109	0.500	1	03/02/2022 00:14	WG1825305
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 00:14	WG1825305
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 00:14	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 00:14	WG1825305
Tetrachloroethene	0.569		0.0280	0.100	1	03/02/2022 00:14	WG1825305
Toluene	U		0.0500	0.200	1	03/02/2022 00:14	WG1825305
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 00:14	WG1825305
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 00:14	WG1825305
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 00:14	WG1825305
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 00:14	WG1825305
Trichloroethene	0.266		0.0160	0.0400	1	03/02/2022 00:14	WG1825305
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 00:14	WG1825305
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 00:14	WG1825305
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 00:14	WG1825305
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 00:14	WG1825305
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 00:14	WG1825305
Vinyl chloride	U		0.0273	0.100	1	03/02/2022 00:14	WG1825305
Xylenes, Total	U		0.191	0.260	1	03/02/2022 00:14	WG1825305
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 00:14	WG1825305
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 00:14	WG1825305
Iodomethane	U		0.242	0.500	1	03/02/2022 00:14	WG1825305
Allyl chloride	U		0.580	1.00	1	03/02/2022 00:14	WG1825305
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 00:14	WG1825305
(S) Toluene-d8	95.0			75.0-131		03/02/2022 00:14	WG1825305
(S) Toluene-d8	98.3			75.0-131		03/03/2022 01:08	WG1826259
(S) 4-Bromofluorobenzene	96.1			67.0-138		03/02/2022 00:14	WG1825305
(S) 4-Bromofluorobenzene	96.2			67.0-138		03/03/2022 01:08	WG1826259
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/02/2022 00:14	WG1825305
(S) 1,2-Dichloroethane-d4	89.0			70.0-130		03/03/2022 01:08	WG1826259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/10/22

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10900		594	5000	1	02/27/2022 20:46	<a href="#">WG1824592</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2380		102	1000	1	03/03/2022 17:43	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6010		28.1	100	1	03/03/2022 16:44	<a href="#">WG1824401</a>
Manganese	778		0.704	5.00	1	03/03/2022 16:44	<a href="#">WG1824401</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	114		0.287	0.678	1	03/04/2022 10:25	<a href="#">WG1825932</a>
Ethane	U		0.296	1.29	1	03/04/2022 10:25	<a href="#">WG1825932</a>
Ethene	1.08	J	0.422	1.27	1	03/04/2022 10:25	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.47	J+ C5	0.548	1.00	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 00:33	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,1-Dichloroethene	0.895		0.0200	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	7.70		0.0276	0.100	1	03/02/2022 00:33	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 00:33	<a href="#">WG1825305</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 00:33	WG1825305
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 00:33	WG1825305
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 00:33	WG1825305
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 00:33	WG1825305
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 00:33	WG1825305
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 00:33	WG1825305
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 00:33	WG1825305
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 00:33	WG1825305
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 00:33	WG1825305
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 00:33	WG1825305
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 00:33	WG1825305
Methylene Chloride	U		0.265	1.00	1	03/02/2022 00:33	WG1825305
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 00:33	WG1825305
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 00:33	WG1825305
Naphthalene	U		0.124	0.500	1	03/02/2022 00:33	WG1825305
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 00:33	WG1825305
Styrene	U		0.109	0.500	1	03/02/2022 00:33	WG1825305
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 00:33	WG1825305
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 00:33	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 00:33	WG1825305
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 00:33	WG1825305
Toluene	0.0760	U	0.0500	0.200	1	03/02/2022 00:33	WG1825305
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 00:33	WG1825305
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 00:33	WG1825305
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 00:33	WG1825305
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 00:33	WG1825305
Trichloroethene	0.511		0.0160	0.0400	1	03/02/2022 00:33	WG1825305
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 00:33	WG1825305
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 00:33	WG1825305
1,2,4-Trimethylbenzene	0.0640	U	0.0464	0.200	1	03/02/2022 00:33	WG1825305
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 00:33	WG1825305
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 00:33	WG1825305
Vinyl chloride	0.422		0.0273	0.100	1	03/02/2022 00:33	WG1825305
Xylenes, Total	U		0.191	0.260	1	03/02/2022 00:33	WG1825305
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 00:33	WG1825305
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 00:33	WG1825305
Iodomethane	U		0.242	0.500	1	03/02/2022 00:33	WG1825305
Allyl chloride	U		0.580	1.00	1	03/02/2022 00:33	WG1825305
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 00:33	WG1825305
(S) Toluene-d8	97.2			75.0-131		03/02/2022 00:33	WG1825305
(S) 4-Bromofluorobenzene	93.2			67.0-138		03/02/2022 00:33	WG1825305
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/02/2022 00:33	WG1825305

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.95	J+	C5	0.548	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Acrylonitrile	U			0.0760	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Benzene	0.0590			0.0160	0.0400	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Bromobenzene	U			0.0420	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Bromodichloromethane	U			0.0315	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Bromoform	U			0.239	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Bromomethane	U			0.148	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
n-Butylbenzene	U			0.153	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
sec-Butylbenzene	0.214	J		0.101	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
tert-Butylbenzene	U			0.0620	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Carbon tetrachloride	U	J4		0.0432	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Chlorobenzene	U			0.0229	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Chlorodibromomethane	U			0.0180	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Chloroethane	U			0.0432	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Chloroform	U			0.0166	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Chloromethane	U			0.0556	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
2-Chlorotoluene	U			0.0368	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
4-Chlorotoluene	U			0.0452	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2-Dibromoethane	U			0.0210	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Dibromomethane	U			0.0400	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2-Dichlorobenzene	U			0.0580	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,3-Dichlorobenzene	U			0.0680	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,4-Dichlorobenzene	U			0.0788	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Dichlorodifluoromethane	U			0.0327	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1-Dichloroethane	U			0.0230	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2-Dichloroethane	U			0.0190	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1-Dichloroethene	U			0.0200	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
cis-1,2-Dichloroethene	U			0.0276	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U			0.0572	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2-Dichloropropane	U			0.0508	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1-Dichloropropene	U			0.0280	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,3-Dichloropropane	U			0.0700	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U			0.0271	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U			0.0612	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
2,2-Dichloropropane	U			0.0317	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Di-isopropyl ether	U			0.0140	0.0400	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Ethylbenzene	0.0850	J		0.0212	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U			0.508	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Isopropylbenzene	0.984			0.0345	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
p-Isopropyltoluene	U			0.0932	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
2-Butanone (MEK)	U			0.500	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Methylene Chloride	U			0.265	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Methyl tert-butyl ether	U			0.0118	0.0400	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Naphthalene	28.7			0.124	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
n-Propylbenzene	U			0.0472	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Styrene	U			0.109	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Tetrachloroethene	U			0.0280	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>
Toluene	0.0840	J		0.0500	0.200	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U			0.193	0.500	1	03/02/2022 00:52 <a href="#">WG1825305</a>
1,1,1-Trichloroethane	U			0.0110	0.100	1	03/02/2022 00:52 <a href="#">WG1825305</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 00:52	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 00:52	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	0.0790	U <del>BJ</del>	0.0464	0.200	1	03/02/2022 00:52	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	0.0670	J	0.0460	0.200	1	03/02/2022 00:52	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Vinyl chloride	U		0.0273	0.100	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 00:52	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 00:52	<a href="#">WG1825305</a>
(S) Toluene-d8	106			75.0-131		03/02/2022 00:52	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	97.6			67.0-138		03/02/2022 00:52	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		03/02/2022 00:52	<a href="#">WG1825305</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Benzene	3.18		0.0160	0.0400	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1-Dichloroethane	0.0320	J	0.0230	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	0.307		0.0276	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Naphthalene	0.934		0.124	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/10/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Vinyl chloride	13.8		0.0273	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 01:11	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 01:11	<a href="#">WG1825305</a>
(S) Toluene-d8	92.3			75.0-131		03/02/2022 01:11	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		03/02/2022 01:11	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		03/02/2022 01:11	<a href="#">WG1825305</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Benzene	9.75		0.0160	0.0400	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Carbon tetrachloride	U	<del>J4</del>	0.0432	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1-Dichloroethane	0.0390	J	0.0230	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Di-isopropyl ether	0.0870		0.0140	0.0400	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Naphthalene	0.233	J	0.124	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Vinyl chloride	10.6		0.0273	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Ethyl Ether	0.0980	J	0.0170	0.100	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 01:30	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 01:30	<a href="#">WG1825305</a>
(S) Toluene-d8	99.2			75.0-131		03/02/2022 01:30	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	96.0			67.0-138		03/02/2022 01:30	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		03/02/2022 01:30	<a href="#">WG1825305</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Benzene	0.222		0.0160	0.0400	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	10.1		0.0276	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Di-isopropyl ether	0.0760		0.0140	0.0400	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Naphthalene	U		0.124	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Vinyl chloride	21.8		0.0273	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 01:49	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 01:49	<a href="#">WG1825305</a>
(S) Toluene-d8	94.2			75.0-131		03/02/2022 01:49	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	93.3			67.0-138		03/02/2022 01:49	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/02/2022 01:49	<a href="#">WG1825305</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

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## MEMORANDUM

**TO:** Project File **DATE:** April 4, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 1413.001.02.501.07

**TASK:** EIM Data Validation Level EPA2A for 1st Quarter Monitoring 2022 – Groundwater Samples – Group 2

**LAB:** Pace Sample Delivery Groups (SDGs): L1465944, L1467590, L1468403, and L1470201

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Thirty-two groundwater samples (including two field duplicates), two equipment blanks, and two trip blanks were collected as part of the 1<sup>st</sup> Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington. Samples were collected February 24-25, March 1-4, and 7-8, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Anion (sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 2 analytical results are reported in SDGs L1465944, L1467590, L1468403, and L1470201. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund

Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1470201: PES modified the chain of custody (COC) due to sample identification and analysis request errors on the initial COC on 3/11/22. The revised COC is attached to the laboratory report.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Sulfate and TOC):*

All samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

## Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+) unless qualified as not detected (U) due to blank contamination.**

## Method Blank Results

### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exception:

- SDG L1465944 – Analytical batch WG1825305: 1,2,4-Trimethylbenzene is detected in the method blank at a low level below the RDL. No action is needed since this target is not detected in the associated samples.

### *NWTPH-Gx Method:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) are not detected in the method blank with the following exception:

- SDG L1470201 – Analytical batch WG1833019: A low level of gasoline was detected below the RDL in the method blank. **The associated gasoline detection in sample MW125-030822 is qualified as not-detected (U) due to method blank contamination.**

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Sulfate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1465944	WG1826611	9056A	TOC	314	J	1000	µg/L	NO
L1467590	WG1827675	9060A	TOC	325	J	1000	µg/L	NO
L1468403	WG1829210	9060A	TOC	507	J	1000	µg/L	NO
L1468403	WG1829397	6020B	Iron	46.1	J	100	µg/L	NO
L1468403	WG1829397	6020B	Manganese	1.83	J	5.00	µg/L	NO
L1470201	WG1832362	9060A	TOC	586	J	1000	µg/L	NO
L1470201	WG1832860	9060A	TOC	346	J	1000	µg/L	NO
L1470201	WG1832281	6020B	Manganese	0.752	J	5.00	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

**Trip Blank Results**

*USEPA Method 8260D:*

Two trip blanks (TB-022522 and TB-030422) were collected and analyzed for VOCs. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

SDG L1465944: Low levels of acetone, toluene and 1,2,4-trimethylbenzene are detected in the trip blank (TB-022522). Actions are as follows:

- Acetone was detected in the trip blank at 4.39 µg/L and above the RDL (1.00 µg/L). Associated acetone detections are below the trip blank detection in samples MW-138-022422 and MW112-022422. **Acetone results for these samples are qualified as not detected (U) due to trip blank contamination.**
- Toluene was detected in the trip blank at 0.0970 µg/L and below the RDL (0.200 µg/L). No action is needed since toluene is not detected in the associated samples.
- 1,2,4-Trimethylbenzene was detected below the RDL in both trip and method blanks. No action is needed since 1,2,4-trimethylbenzene is not detected in the

associated samples. 1,2,4-Trimethylbenzene was detected in the associated method blank. No action is taken other than to note this.

SDG L1468403: Low levels of acetone and toluene are detected in the trip blank (TB-030422). Actions are as follows:

- Acetone was detected in the trip blank at 5.85 µg/L and above the RDL (1.00 µg/L). **All associated acetone detections are below the trip blank detection in samples MW-326-030322, FMW-129-030322, MW-968-030322, MW-159-030322, FMW-137-030422, MW-158A-030422, MW-189-030422 and MW-190-030422. Acetone results for these samples are qualified as not detected (U) due to trip blank contamination.**
- Toluene was detected in the trip blank at 0.0760 µg/L and below the RDL (0.200 µg/L). **Associated toluene detections below the RDL in samples MW-326-030322, FMW-129-030322, MW-968-030322, and MW-190-030422 are qualified as not detected (U) due to trip blank contamination.**

### **Field, Rinsate, or Equipment Blank Results**

#### *All Analytical Methods:*

Two equipment blanks (EQ-030422 and EQ-030822) were collected. Details are as follows:

- SDG L1468403: The equipment blank (EQ-030422) is associated with all samples collected from the bladder pump on March 3-4, 2022. Specifically, the equipment blank is associated with groundwater samples MW-326-030322, MW-325-030322, FMW-129-030322, MW-158A-030422, MW-189-030422, and MW-190-030422. Low levels of sulfate, TOC, and manganese are detected in the equipment blank. Low levels of VOCs (acetone and toluene) are detected in the equipment blank. Actions are as follows:
  - Sulfate was detected in the equipment blank above the RDL at 8370 µg/L and was detected below the RDL in sample MW-159-030322. **Sulfate result for sample MW-159-030322 is qualified as not detected (U) due to equipment blank contamination.**
  - TOC and manganese were detected at low levels in the equipment blank and in the method blank. No action is needed since all sample detections are greater than the associated RDLs. TOC result is laboratory qualified (B J P1) due to method blank contamination and elevated RPD however duplicate results for the equipment blank are not reported. No action is taken since the associated samples are not impacted.
  - Acetone and toluene detections in the trip blank (TB-030422) are higher than associated detections in the equipment blank. Refer to the trip blank for additional details.



- SDG L1470201: The equipment blank (EQ-030822) is associated with all samples collected from the bladder pump on March 7-8, 2022. Specifically, the equipment blank is associated with samples MW-967-030722, MW124-030722, MW102-030722, W-MW-01-030822, MW-145R-030822, and MW-143-030822. Low levels of TOC, iron, and manganese are detected in the equipment blank. Low levels of VOCs (acetone, bromodichloromethane or dichlorobromomethane, chlorodibromomethane, chloroform, 2-butanone (MEK)) are detected in the equipment blank. Actions are as follows:
  - TOC and manganese were also detected in the MB. No action is needed since all detections exceed the RDL.
  - Acetone, a common laboratory contaminant, was detected in the equipment blank at 3.02 µg/L and above the RDL (1.00 µg/L). **Associated acetone detections are below the equipment blank detection in samples MW-967-030722, MW124-030722, MW102-030722, GEI-MW-1-030722, and W-MW-01-030822. Acetone results for these samples are qualified as not detected (U) due to equipment blank contamination. Per Guidance, acetone detection in sample MW116-030722 is less than 2X the blank detection and is qualified as not detected (U) due to blank contamination.**
  - Chloroform was detected below the RDL in sample MW124-030722. **Associated chloroform detection in sample MW124-030722 is qualified as not detected (U) due to equipment blank contamination.** No action is needed for remaining compounds (bromodichloromethane (or dichlorobromomethane), chlorodibromomethane, and 2-butanone (MEK)) since these are not detected in the associated samples.

### **Field Duplicate Analyses**

Two field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1470201: Samples MW102-030722 and MW-967-030722
- SDG L1468403: Samples MW-156-030322 and MW-968-030322

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pairs with the following exceptions:

- SDG L1468403: **Dissolved gas RPDs for ethane and methane exceed acceptance criteria. Ethane and methane results in samples MW-156-030322 and MW-968-030322 are estimated and qualified (J/UJ).**
- SDG L1468403: Sample MW-968-030322 VOC results are mostly un-diluted except for three targets which were diluted 25X. Sample MW-156-030322 VOC targets are all diluted 10X. As a result comparability is impacted because many low-level results are detected in sample MW-968-030322 and are not detected in sample MW-156-030322 due to different dilution factors. In these cases, the larger RDL was used to evaluate the

results. **RPDs for benzene, 1,1-dichloroethene, and tetrachloroethene exceed acceptance criteria. Sample MW-156-030322 and MW-968-030322 results for these compounds are qualified as estimated (J).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

#### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. No precision data are provided for gasoline data. No action is taken other than to note this.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

#### *General Chemistry (Sulfate and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate client sample RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### **Surrogate Recoveries**

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

#### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the blanks are within the laboratory surrogate control limits.

### **Laboratory Control Samples**

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1465944 - Analytical batch WG1825305: LCS % recovery for carbon tetrachloride is recovered high and laboratory qualified (J4). No action is needed since carbon tetrachloride is not detected in the associated samples.
- SDG L1467590 - Analytical batch WG1827872: LCS % recoveries for acetone, carbon tetrachloride are recovered high and laboratory qualified (J4). For carbon tetrachloride no action is needed since it is not detected in the associated samples. Acetone is already qualified as estimated (J/UJ) due to calibration issues. For additional details refer to Initial and Continuing Calibration section.
- SDG L1468403 - Analytical batch WG1829324: LCS/LCSD RPD for acetone is above criteria and laboratory qualified (J3). No action is taken since both recoveries are within criteria but are recovered wide.
- SDG L1470201 - Analytical batch WG1831136: LCS/LCSD recoveries for acetone and carbon tetrachloride are recovered high and laboratory qualified (J4). LCS recovery for tetrachloroethene is recovered high and laboratory qualified (J4). Acetone results are either qualified as not detected due to blank contamination or are already qualified due to calibration issues. For carbon tetrachloride no action is needed since it is not detected in the associated samples. Tetrachloroethene detection for sample MW124-030722 is already estimated since the result is less than the RDL (0.100 µg/L). No action is needed for the remaining associated samples since tetrachloroethene was not detected.

*NWTPH-Gx Method:*

LCS was analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Sulfate and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses was performed on a non-client sample. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water sample with the following discussion:

- SDG L1470201 – Matrix spike was performed on a non-client sample within the analytical batch. MS and/or MSD % Rs for acetone and acrylonitrile are above criteria and laboratory qualified (J5). Since the spike was performed on a non-client sample no action is needed.

*NWTPH-Gx Method:*

No measure of precision is provided with gasoline result associated with SDGs L1470201. No action is taken other than to note this.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1465944: MS/MSD was performed on a non-client sample within the analytical batch. MSD % R for methane is above criteria and laboratory qualified (V). Since the spike was performed on a non-client sample no action is needed.
- SDGs L1470201: MS/MSD was performed on a non-client sample within the analytical batch. MSD % R for methane is above criteria and laboratory qualified (J5). Since the spike was performed on a non-client sample no action is needed.
- SDG L1463646: MS/MSDs were performed on non-client samples within the analytical batches. MS/MSD % Rs for methane are above criteria. Since the spike was performed on a non-client sample no action is needed.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

*General Chemistry (Sulfate and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- Multiple SDGs: Sulfate matrix spike was performed non-client samples within the analytical batch and laboratory qualified (V or E). In several cases sulfate MS/MSD recoveries were outside of criteria. No action is taken since the spikes were performed on non-client samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	55100		5940	50000	10	03/01/2022 18:07	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	598	J	102	1000	1	03/03/2022 23:24	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	26600		562	2000	20	03/03/2022 12:25	<a href="#">WG1825528</a>
Manganese	857		14.1	100	20	03/03/2022 12:25	<a href="#">WG1825528</a>

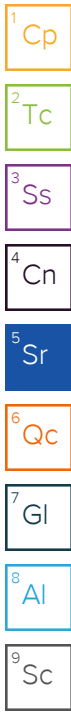
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	27.3		0.287	0.678	1	03/04/2022 11:48	<a href="#">WG1825932</a>
Ethane	U		0.296	1.29	1	03/04/2022 11:48	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 11:48	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.38	U <del>C5</del>	0.548	1.00	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J	0.0432	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 03:23	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/02/2022 03:23	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 03:23	<a href="#">WG1825305</a>

JC 3/29/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 03:23	WG1825305
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 03:23	WG1825305
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 03:23	WG1825305
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 03:23	WG1825305
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 03:23	WG1825305
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 03:23	WG1825305
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 03:23	WG1825305
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 03:23	WG1825305
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 03:23	WG1825305
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 03:23	WG1825305
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 03:23	WG1825305
Methylene Chloride	U		0.265	1.00	1	03/02/2022 03:23	WG1825305
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 03:23	WG1825305
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 03:23	WG1825305
Naphthalene	U		0.124	0.500	1	03/02/2022 03:23	WG1825305
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 03:23	WG1825305
Styrene	U		0.109	0.500	1	03/02/2022 03:23	WG1825305
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 03:23	WG1825305
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 03:23	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 03:23	WG1825305
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 03:23	WG1825305
Toluene	U		0.0500	0.200	1	03/02/2022 03:23	WG1825305
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 03:23	WG1825305
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 03:23	WG1825305
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 03:23	WG1825305
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 03:23	WG1825305
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 03:23	WG1825305
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 03:23	WG1825305
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 03:23	WG1825305
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 03:23	WG1825305
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 03:23	WG1825305
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 03:23	WG1825305
Vinyl chloride	U		0.0273	0.100	1	03/02/2022 03:23	WG1825305
Xylenes, Total	U		0.191	0.260	1	03/02/2022 03:23	WG1825305
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 03:23	WG1825305
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 03:23	WG1825305
Iodomethane	U		0.242	0.500	1	03/02/2022 03:23	WG1825305
Allyl chloride	U		0.580	1.00	1	03/02/2022 03:23	WG1825305
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 03:23	WG1825305
(S) Toluene-d8	103			75.0-131		03/02/2022 03:23	WG1825305
(S) 4-Bromofluorobenzene	94.1			67.0-138		03/02/2022 03:23	WG1825305
(S) 1,2-Dichloroethane-d4	117			70.0-130		03/02/2022 03:23	WG1825305

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	21300		594	5000	1	03/01/2022 18:20	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2400		102	1000	1	03/03/2022 23:42	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1450		28.1	100	1	03/03/2022 00:20	<a href="#">WG1825528</a>
Manganese	184		0.704	5.00	1	03/03/2022 00:20	<a href="#">WG1825528</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	79.5		0.287	0.678	1	03/04/2022 11:51	<a href="#">WG1825932</a>
Ethane	3.28		0.296	1.29	1	03/04/2022 11:51	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 11:51	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.13	U	<del>C5</del>	0.548	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Benzene	U		0.0160	0.0400	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Bromobenzene	U		0.0420	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Bromoform	U		0.239	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Bromomethane	U		0.148	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Carbon tetrachloride	U		<del>J4</del>	0.0432	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Chloroethane	U		0.0432	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Chloroform	U		0.0166	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Chloromethane	U		0.0556	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Dibromomethane	U		0.0400	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/29/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Naphthalene	U		0.124	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Vinyl chloride	U		0.0273	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 03:42	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 03:42	<a href="#">WG1825305</a>
(S) Toluene-d8	105			75.0-131		03/02/2022 03:42	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		03/02/2022 03:42	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		03/02/2022 03:42	<a href="#">WG1825305</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	35500		594	5000	1	03/01/2022 18:33	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1610		102	1000	1	03/03/2022 23:58	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

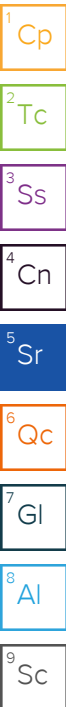
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	93.3	J	28.1	100	1	03/03/2022 00:23	<a href="#">WG1825528</a>
Manganese	51.8		0.704	5.00	1	03/03/2022 00:23	<a href="#">WG1825528</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	03/04/2022 11:54	<a href="#">WG1825932</a>
Ethane	U		0.296	1.29	1	03/04/2022 11:54	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 11:54	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	3.49		0.0276	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>



JC 3/29/22

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Naphthalene	U		0.124	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Tetrachloroethene	43.5		0.0280	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Trichloroethene	7.20		0.0160	0.0400	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Vinyl chloride	U		0.0273	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 04:01	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 04:01	<a href="#">WG1825305</a>
(S) Toluene-d8	99.3			75.0-131		03/02/2022 04:01	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	94.4			67.0-138		03/02/2022 04:01	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		03/02/2022 04:01	<a href="#">WG1825305</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	80300		2970	25000	5	03/01/2022 19:40	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2790		102	1000	1	03/04/2022 00:14	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

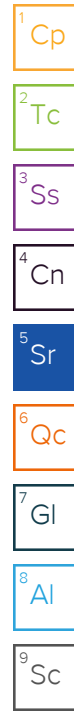
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1260	J	562	2000	20	03/03/2022 12:29	<a href="#">WG1825528</a>
Manganese	3090		14.1	100	20	03/03/2022 12:29	<a href="#">WG1825528</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4620		0.287	0.678	1	03/04/2022 12:12	<a href="#">WG1825932</a>
Ethane	5.97		0.296	1.29	1	03/04/2022 12:12	<a href="#">WG1825932</a>
Ethene	U		0.422	1.27	1	03/04/2022 12:12	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		13.7	25.0	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Acrylonitrile	U		1.90	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Benzene	U		0.400	1.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Bromobenzene	U		1.05	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.788	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Bromoform	U		5.98	25.0	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Bromomethane	U		3.70	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
n-Butylbenzene	U		3.83	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
sec-Butylbenzene	U		2.53	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
tert-Butylbenzene	U		1.55	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Carbon tetrachloride	U	J4	1.08	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Chlorobenzene	U		0.573	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.450	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Chloroethane	U		1.08	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Chloroform	U		0.415	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Chloromethane	U		1.39	12.5	25	03/02/2022 04:58	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.920	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
4-Chlorotoluene	U		1.13	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.525	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Dibromomethane	U		1.00	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.818	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.575	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.475	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.500	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	374		0.690	2.50	25	03/02/2022 04:58	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		1.43	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		1.27	5.00	25	03/02/2022 04:58	<a href="#">WG1825305</a>



IC 3/29/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.700	2.50	25	03/02/2022 04:58	WG1825305
1,3-Dichloropropane	U		1.75	5.00	25	03/02/2022 04:58	WG1825305
cis-1,3-Dichloropropene	U		0.678	2.50	25	03/02/2022 04:58	WG1825305
trans-1,3-Dichloropropene	U		1.53	5.00	25	03/02/2022 04:58	WG1825305
2,2-Dichloropropane	U		0.793	2.50	25	03/02/2022 04:58	WG1825305
Di-isopropyl ether	U		0.350	1.00	25	03/02/2022 04:58	WG1825305
Ethylbenzene	U		0.530	2.50	25	03/02/2022 04:58	WG1825305
Hexachloro-1,3-butadiene	U		12.7	25.0	25	03/02/2022 04:58	WG1825305
Isopropylbenzene	U		0.863	2.50	25	03/02/2022 04:58	WG1825305
p-Isopropyltoluene	U		2.33	5.00	25	03/02/2022 04:58	WG1825305
2-Butanone (MEK)	U		12.5	25.0	25	03/02/2022 04:58	WG1825305
Methylene Chloride	U		6.63	25.0	25	03/02/2022 04:58	WG1825305
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	03/02/2022 04:58	WG1825305
Methyl tert-butyl ether	U		0.295	1.00	25	03/02/2022 04:58	WG1825305
Naphthalene	U		3.10	12.5	25	03/02/2022 04:58	WG1825305
n-Propylbenzene	U		1.18	5.00	25	03/02/2022 04:58	WG1825305
Styrene	U		2.73	12.5	25	03/02/2022 04:58	WG1825305
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	03/02/2022 04:58	WG1825305
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	03/02/2022 04:58	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	03/02/2022 04:58	WG1825305
Tetrachloroethene	671		0.700	2.50	25	03/02/2022 04:58	WG1825305
Toluene	U		1.25	5.00	25	03/02/2022 04:58	WG1825305
1,2,3-Trichlorobenzene	U		0.625	12.5	25	03/02/2022 04:58	WG1825305
1,2,4-Trichlorobenzene	U		4.83	12.5	25	03/02/2022 04:58	WG1825305
1,1,1-Trichloroethane	U		0.275	2.50	25	03/02/2022 04:58	WG1825305
1,1,2-Trichloroethane	U		0.883	2.50	25	03/02/2022 04:58	WG1825305
Trichloroethene	241		0.400	1.00	25	03/02/2022 04:58	WG1825305
Trichlorofluoromethane	U		0.500	2.50	25	03/02/2022 04:58	WG1825305
1,2,3-Trichloropropane	U		5.10	12.5	25	03/02/2022 04:58	WG1825305
1,2,4-Trimethylbenzene	U		1.16	5.00	25	03/02/2022 04:58	WG1825305
1,2,3-Trimethylbenzene	U		1.15	5.00	25	03/02/2022 04:58	WG1825305
1,3,5-Trimethylbenzene	U		1.08	5.00	25	03/02/2022 04:58	WG1825305
Vinyl chloride	U		0.682	2.50	25	03/02/2022 04:58	WG1825305
Xylenes, Total	U		4.78	6.50	25	03/02/2022 04:58	WG1825305
Ethyl Ether	U		0.425	2.50	25	03/02/2022 04:58	WG1825305
Tetrahydrofuran	U		2.25	12.5	25	03/02/2022 04:58	WG1825305
Iodomethane	U		6.05	12.5	25	03/02/2022 04:58	WG1825305
Allyl chloride	U		14.5	25.0	25	03/02/2022 04:58	WG1825305
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	03/02/2022 04:58	WG1825305
(S) Toluene-d8	97.5			75.0-131		03/02/2022 04:58	WG1825305
(S) 4-Bromofluorobenzene	94.4			67.0-138		03/02/2022 04:58	WG1825305
(S) 1,2-Dichloroethane-d4	115			70.0-130		03/02/2022 04:58	WG1825305

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8480		594	5000	1	03/01/2022 19:54	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	904	J	102	1000	1	03/04/2022 00:27	<a href="#">WG1826609</a>

Metals (ICPMS) by Method 6020B

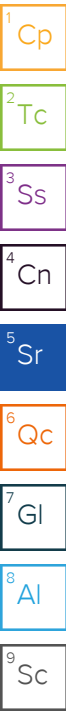
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2890		140	500	5	03/03/2022 12:32	<a href="#">WG1825528</a>
Manganese	380		3.52	25.0	5	03/03/2022 12:32	<a href="#">WG1825528</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	146		0.287	0.678	1	03/04/2022 12:18	<a href="#">WG1825932</a>
Ethane	1.88		0.296	1.29	1	03/04/2022 12:18	<a href="#">WG1825932</a>
Ethene	9.65		0.422	1.27	1	03/04/2022 12:18	<a href="#">WG1825932</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Carbon tetrachloride	U	4	0.0432	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	0.125		0.0276	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>



JC 3/29/22

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Methylene Chloride	U		0.265	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Naphthalene	U		0.124	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Styrene	U		0.109	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Tetrachloroethene	0.296		0.0280	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Toluene	U		0.0500	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Vinyl chloride	1.14		0.0273	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Xylenes, Total	U		0.191	0.260	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Iodomethane	U		0.242	0.500	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Allyl chloride	U		0.580	1.00	1	03/02/2022 04:20	<a href="#">WG1825305</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 04:20	<a href="#">WG1825305</a>
(S) Toluene-d8	94.5			75.0-131		03/02/2022 04:20	<a href="#">WG1825305</a>
(S) 4-Bromofluorobenzene	92.6			67.0-138		03/02/2022 04:20	<a href="#">WG1825305</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		03/02/2022 04:20	<a href="#">WG1825305</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	139000		2970	25000	5	03/01/2022 20:07	<a href="#">WG1825481</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1870	<del>E</del>	102	1000	1	03/03/2022 17:24	<a href="#">WG1826611</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		140	500	5	03/03/2022 12:35	<a href="#">WG1825528</a>
Manganese	576		3.52	25.0	5	03/03/2022 12:35	<a href="#">WG1825528</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	679		0.287	0.678	1	03/05/2022 09:32	<a href="#">WG1825939</a>
Ethane	1.16	<del>J</del>	0.296	1.29	1	03/05/2022 09:32	<a href="#">WG1825939</a>
Ethene	2.82		0.422	1.27	1	03/05/2022 09:32	<a href="#">WG1825939</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Acrylonitrile	U		0.0760	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Benzene	U		0.0160	0.0400	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Bromobenzene	U		0.0420	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Bromodichloromethane	U		0.0315	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Bromoform	U		0.239	1.00	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Bromomethane	U		0.148	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
n-Butylbenzene	U		0.153	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
sec-Butylbenzene	U		0.101	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Carbon tetrachloride	U	<del>J4</del>	0.0432	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Chlorobenzene	U		0.0229	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Chloroethane	U		0.0432	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Chloroform	U		0.0166	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Chloromethane	U		0.0556	0.500	1	03/02/2022 04:39	<a href="#">WG1825305</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Dibromomethane	U		0.0400	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/02/2022 04:39	<a href="#">WG1825305</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/02/2022 04:39	<a href="#">WG1825305</a>



JC 3/29/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/02/2022 04:39	WG1825305
1,3-Dichloropropane	U		0.0700	0.200	1	03/02/2022 04:39	WG1825305
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/02/2022 04:39	WG1825305
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/02/2022 04:39	WG1825305
2,2-Dichloropropane	U		0.0317	0.100	1	03/02/2022 04:39	WG1825305
Di-isopropyl ether	U		0.0140	0.0400	1	03/02/2022 04:39	WG1825305
Ethylbenzene	U		0.0212	0.100	1	03/02/2022 04:39	WG1825305
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/02/2022 04:39	WG1825305
Isopropylbenzene	U		0.0345	0.100	1	03/02/2022 04:39	WG1825305
p-Isopropyltoluene	U		0.0932	0.200	1	03/02/2022 04:39	WG1825305
2-Butanone (MEK)	U		0.500	1.00	1	03/02/2022 04:39	WG1825305
Methylene Chloride	U		0.265	1.00	1	03/02/2022 04:39	WG1825305
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/02/2022 04:39	WG1825305
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/02/2022 04:39	WG1825305
Naphthalene	U		0.124	0.500	1	03/02/2022 04:39	WG1825305
n-Propylbenzene	U		0.0472	0.200	1	03/02/2022 04:39	WG1825305
Styrene	U		0.109	0.500	1	03/02/2022 04:39	WG1825305
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/02/2022 04:39	WG1825305
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/02/2022 04:39	WG1825305
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/02/2022 04:39	WG1825305
Tetrachloroethene	U		0.0280	0.100	1	03/02/2022 04:39	WG1825305
Toluene	U		0.0500	0.200	1	03/02/2022 04:39	WG1825305
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/02/2022 04:39	WG1825305
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/02/2022 04:39	WG1825305
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/02/2022 04:39	WG1825305
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/02/2022 04:39	WG1825305
Trichloroethene	U		0.0160	0.0400	1	03/02/2022 04:39	WG1825305
Trichlorofluoromethane	U		0.0200	0.100	1	03/02/2022 04:39	WG1825305
1,2,3-Trichloropropane	U		0.204	0.500	1	03/02/2022 04:39	WG1825305
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/02/2022 04:39	WG1825305
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/02/2022 04:39	WG1825305
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/02/2022 04:39	WG1825305
Vinyl chloride	0.657		0.0273	0.100	1	03/02/2022 04:39	WG1825305
Xylenes, Total	U		0.191	0.260	1	03/02/2022 04:39	WG1825305
Ethyl Ether	U		0.0170	0.100	1	03/02/2022 04:39	WG1825305
Tetrahydrofuran	U		0.0900	0.500	1	03/02/2022 04:39	WG1825305
Iodomethane	U		0.242	0.500	1	03/02/2022 04:39	WG1825305
Allyl chloride	U		0.580	1.00	1	03/02/2022 04:39	WG1825305
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/02/2022 04:39	WG1825305
(S) Toluene-d8	99.9			75.0-131		03/02/2022 04:39	WG1825305
(S) 4-Bromofluorobenzene	98.4			67.0-138		03/02/2022 04:39	WG1825305
(S) 1,2-Dichloroethane-d4	111			70.0-130		03/02/2022 04:39	WG1825305

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/29/22

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	128000		2970	25000	5	03/07/2022 21:37	<a href="#">WG1828695</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2100	<u>B</u>	102	1000	1	03/05/2022 20:09	<a href="#">WG1827675</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	249		28.1	100	1	03/08/2022 14:19	<a href="#">WG1828306</a>
Manganese	167		0.704	5.00	1	03/08/2022 14:19	<a href="#">WG1828306</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	46.2		0.287	0.678	1	03/09/2022 15:08	<a href="#">WG1829228</a>
Ethane	U		0.296	1.29	1	03/09/2022 15:08	<a href="#">WG1829228</a>
Ethene	U		0.422	1.27	1	03/09/2022 15:08	<a href="#">WG1829228</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.26	<del>J+</del> <u>C5 J4</u>	0.548	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Acrylonitrile	U		0.0760	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Benzene	U		0.0160	0.0400	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Bromobenzene	U		0.0420	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Bromodichloromethane	U		0.0315	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Bromoform	U		0.239	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Bromomethane	U		0.148	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
n-Butylbenzene	U		0.153	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
sec-Butylbenzene	U		0.101	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Carbon tetrachloride	U	<del>J4</del>	0.0432	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Chlorobenzene	U		0.0229	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Chloroethane	U		0.0432	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Chloroform	U		0.0166	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Chloromethane	U		0.0556	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Dibromomethane	U		0.0400	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1-Dichloroethene	0.177		0.0200	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
cis-1,2-Dichloroethene	51.6	<del>J+</del> <u>C5</u>	0.0276	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
trans-1,2-Dichloroethene	0.0830	<u>J</u>	0.0572	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>

JC 3/31.2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Ethylbenzene	U		0.0212	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Isopropylbenzene	U		0.0345	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Methylene Chloride	U		0.265	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Naphthalene	U	UJ C3	0.124	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
n-Propylbenzene	U		0.0472	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Styrene	U		0.109	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Tetrachloroethene	19.7		0.0280	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Toluene	U		0.0500	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Trichloroethene	6.56		0.0160	0.0400	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Vinyl chloride	0.240		0.0273	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Xylenes, Total	U		0.191	0.260	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Ethyl Ether	U		0.0170	0.100	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 16:29	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 16:29	<a href="#">WG1827872</a>
(S) Toluene-d8	94.7			75.0-131		03/07/2022 16:29	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	97.7			67.0-138		03/07/2022 16:29	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/07/2022 16:29	<a href="#">WG1827872</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	54.8	100	100	03/07/2022 21:04	WG1827872
Acrylonitrile	U		7.60	50.0	100	03/07/2022 21:04	WG1827872
Benzene	U		1.60	4.00	100	03/07/2022 21:04	WG1827872
Bromobenzene	U		4.20	50.0	100	03/07/2022 21:04	WG1827872
Bromodichloromethane	U		3.15	10.0	100	03/07/2022 21:04	WG1827872
Bromoform	U		23.9	100	100	03/07/2022 21:04	WG1827872
Bromomethane	U		14.8	50.0	100	03/07/2022 21:04	WG1827872
n-Butylbenzene	U		15.3	50.0	100	03/07/2022 21:04	WG1827872
sec-Butylbenzene	U		10.1	50.0	100	03/07/2022 21:04	WG1827872
tert-Butylbenzene	U		6.20	20.0	100	03/07/2022 21:04	WG1827872
Carbon tetrachloride	U	J4	4.32	20.0	100	03/07/2022 21:04	WG1827872
Chlorobenzene	U		2.29	10.0	100	03/07/2022 21:04	WG1827872
Chlorodibromomethane	U		1.80	10.0	100	03/07/2022 21:04	WG1827872
Chloroethane	U		4.32	20.0	100	03/07/2022 21:04	WG1827872
Chloroform	U		1.66	10.0	100	03/07/2022 21:04	WG1827872
Chloromethane	U		5.56	50.0	100	03/07/2022 21:04	WG1827872
2-Chlorotoluene	U		3.68	10.0	100	03/07/2022 21:04	WG1827872
4-Chlorotoluene	U		4.52	20.0	100	03/07/2022 21:04	WG1827872
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	03/07/2022 21:04	WG1827872
1,2-Dibromoethane	U		2.10	10.0	100	03/07/2022 21:04	WG1827872
Dibromomethane	U		4.00	20.0	100	03/07/2022 21:04	WG1827872
1,2-Dichlorobenzene	U		5.80	20.0	100	03/07/2022 21:04	WG1827872
1,3-Dichlorobenzene	U		6.80	20.0	100	03/07/2022 21:04	WG1827872
1,4-Dichlorobenzene	U		7.88	20.0	100	03/07/2022 21:04	WG1827872
Dichlorodifluoromethane	U		3.27	10.0	100	03/07/2022 21:04	WG1827872
1,1-Dichloroethane	U		2.30	10.0	100	03/07/2022 21:04	WG1827872
1,2-Dichloroethane	U		1.90	10.0	100	03/07/2022 21:04	WG1827872
1,1-Dichloroethene	U		2.00	10.0	100	03/07/2022 21:04	WG1827872
cis-1,2-Dichloroethene	818	J+ C5	2.76	10.0	100	03/07/2022 21:04	WG1827872
trans-1,2-Dichloroethene	U		5.72	20.0	100	03/07/2022 21:04	WG1827872
1,2-Dichloropropane	U		5.08	20.0	100	03/07/2022 21:04	WG1827872
1,1-Dichloropropene	U		2.80	10.0	100	03/07/2022 21:04	WG1827872
1,3-Dichloropropane	U		7.00	20.0	100	03/07/2022 21:04	WG1827872
cis-1,3-Dichloropropene	U		2.71	10.0	100	03/07/2022 21:04	WG1827872
trans-1,3-Dichloropropene	U		6.12	20.0	100	03/07/2022 21:04	WG1827872
2,2-Dichloropropane	U		3.17	10.0	100	03/07/2022 21:04	WG1827872
Di-isopropyl ether	U		1.40	4.00	100	03/07/2022 21:04	WG1827872
Ethylbenzene	U		2.12	10.0	100	03/07/2022 21:04	WG1827872
Hexachloro-1,3-butadiene	U		50.8	100	100	03/07/2022 21:04	WG1827872
Isopropylbenzene	U		3.45	10.0	100	03/07/2022 21:04	WG1827872
p-Isopropyltoluene	U		9.32	20.0	100	03/07/2022 21:04	WG1827872
2-Butanone (MEK)	U		50.0	100	100	03/07/2022 21:04	WG1827872
Methylene Chloride	U		26.5	100	100	03/07/2022 21:04	WG1827872
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	03/07/2022 21:04	WG1827872
Methyl tert-butyl ether	U		1.18	4.00	100	03/07/2022 21:04	WG1827872
Naphthalene	U	UJ C3	12.4	50.0	100	03/07/2022 21:04	WG1827872
n-Propylbenzene	U		4.72	20.0	100	03/07/2022 21:04	WG1827872
Styrene	U		10.9	50.0	100	03/07/2022 21:04	WG1827872
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	03/07/2022 21:04	WG1827872
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	03/07/2022 21:04	WG1827872
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	03/07/2022 21:04	WG1827872
Tetrachloroethene	166		2.80	10.0	100	03/07/2022 21:04	WG1827872
Toluene	U		5.00	20.0	100	03/07/2022 21:04	WG1827872
1,2,3-Trichlorobenzene	U		2.50	50.0	100	03/07/2022 21:04	WG1827872
1,2,4-Trichlorobenzene	U		19.3	50.0	100	03/07/2022 21:04	WG1827872
1,1,1-Trichloroethane	U		1.10	10.0	100	03/07/2022 21:04	WG1827872

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/31.2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.53	10.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Trichloroethene	262		1.60	4.00	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		2.00	10.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Vinyl chloride	U		2.73	10.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Xylenes, Total	U		19.1	26.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Ethyl Ether	U		1.70	10.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Tetrahydrofuran	U		9.00	50.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Iodomethane	U		24.2	50.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Allyl chloride	U		58.0	100	100	03/07/2022 21:04	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	03/07/2022 21:04	<a href="#">WG1827872</a>
(S) Toluene-d8	93.5			75.0-131		03/07/2022 21:04	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	97.5			67.0-138		03/07/2022 21:04	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		03/07/2022 21:04	<a href="#">WG1827872</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/31.2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Acrylonitrile	U		0.0760	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Benzene	0.277		0.0160	0.0400	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Bromobenzene	U		0.0420	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Bromodichloromethane	U		0.0315	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Bromoform	U		0.239	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Bromomethane	U		0.148	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
n-Butylbenzene	U		0.153	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
sec-Butylbenzene	U		0.101	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Chlorobenzene	U		0.0229	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Chloroethane	U		0.0432	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Chloroform	U		0.0166	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Chloromethane	U		0.0556	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Dibromomethane	U		0.0400	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1-Dichloroethene	0.390		0.0200	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
cis-1,2-Dichloroethene	223		0.276	1.00	10	03/10/2022 14:54	<a href="#">WG1830505</a>
trans-1,2-Dichloroethene	0.330		0.0572	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Ethylbenzene	U		0.0212	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Isopropylbenzene	U		0.0345	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Methylene Chloride	U		0.265	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Naphthalene	U	UJ C3	0.124	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
n-Propylbenzene	U		0.0472	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Styrene	U		0.109	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Tetrachloroethene	U		0.0280	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Toluene	U		0.0500	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Trichloroethene	0.359		0.0160	0.0400	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Vinyl chloride	9.98		0.0273	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Xylenes, Total	U		0.191	0.260	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Ethyl Ether	U		0.0170	0.100	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 21:43	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 21:43	<a href="#">WG1827872</a>
(S) Toluene-d8	100			75.0-131		03/07/2022 21:43	<a href="#">WG1827872</a>
(S) Toluene-d8	107			75.0-131		03/10/2022 14:54	<a href="#">WG1830505</a>
(S) 4-Bromofluorobenzene	96.3			67.0-138		03/07/2022 21:43	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	102			67.0-138		03/10/2022 14:54	<a href="#">WG1830505</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/07/2022 21:43	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		03/10/2022 14:54	<a href="#">WG1830505</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

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Qc

7  
Gl

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Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch	
	ug/l		ug/l	ug/l				
Acetone	2.70	J+	C5 J4	0.548	1.00	1	03/07/2022 16:48 WG1827872	
Acrylonitrile	U			0.0760	0.500	1	03/07/2022 16:48 WG1827872	
Benzene	U			0.0160	0.0400	1	03/07/2022 16:48 WG1827872	
Bromobenzene	U			0.0420	0.500	1	03/07/2022 16:48 WG1827872	
Bromodichloromethane	U			0.0315	0.100	1	03/07/2022 16:48 WG1827872	
Bromoform	U			0.239	1.00	1	03/07/2022 16:48 WG1827872	
Bromomethane	U			0.148	0.500	1	03/07/2022 16:48 WG1827872	
n-Butylbenzene	U			0.153	0.500	1	03/07/2022 16:48 WG1827872	
sec-Butylbenzene	U			0.101	0.500	1	03/07/2022 16:48 WG1827872	
tert-Butylbenzene	U			0.0620	0.200	1	03/07/2022 16:48 WG1827872	
Carbon tetrachloride	U		J4	0.0432	0.200	1	03/07/2022 16:48 WG1827872	
Chlorobenzene	U			0.0229	0.100	1	03/07/2022 16:48 WG1827872	
Chlorodibromomethane	U			0.0180	0.100	1	03/07/2022 16:48 WG1827872	
Chloroethane	U			0.0432	0.200	1	03/07/2022 16:48 WG1827872	
Chloroform	U			0.0166	0.100	1	03/07/2022 16:48 WG1827872	
Chloromethane	U			0.0556	0.500	1	03/07/2022 16:48 WG1827872	
2-Chlorotoluene	U			0.0368	0.100	1	03/07/2022 16:48 WG1827872	
4-Chlorotoluene	U			0.0452	0.200	1	03/07/2022 16:48 WG1827872	
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	03/07/2022 16:48 WG1827872	
1,2-Dibromoethane	U			0.0210	0.100	1	03/07/2022 16:48 WG1827872	
Dibromomethane	U			0.0400	0.200	1	03/07/2022 16:48 WG1827872	
1,2-Dichlorobenzene	U			0.0580	0.200	1	03/07/2022 16:48 WG1827872	
1,3-Dichlorobenzene	U			0.0680	0.200	1	03/07/2022 16:48 WG1827872	
1,4-Dichlorobenzene	U			0.0788	0.200	1	03/07/2022 16:48 WG1827872	
Dichlorodifluoromethane	U			0.0327	0.100	1	03/07/2022 16:48 WG1827872	
1,1-Dichloroethane	U			0.0230	0.100	1	03/07/2022 16:48 WG1827872	
1,2-Dichloroethane	U			0.0190	0.100	1	03/07/2022 16:48 WG1827872	
1,1-Dichloroethene	U			0.0200	0.100	1	03/07/2022 16:48 WG1827872	
cis-1,2-Dichloroethene	U			0.0276	0.100	1	03/07/2022 16:48 WG1827872	
trans-1,2-Dichloroethene	U			0.0572	0.200	1	03/07/2022 16:48 WG1827872	
1,2-Dichloropropane	U			0.0508	0.200	1	03/07/2022 16:48 WG1827872	
1,1-Dichloropropene	U			0.0280	0.100	1	03/07/2022 16:48 WG1827872	
1,3-Dichloropropane	U			0.0700	0.200	1	03/07/2022 16:48 WG1827872	
cis-1,3-Dichloropropene	U			0.0271	0.100	1	03/07/2022 16:48 WG1827872	
trans-1,3-Dichloropropene	U			0.0612	0.200	1	03/07/2022 16:48 WG1827872	
2,2-Dichloropropane	U			0.0317	0.100	1	03/07/2022 16:48 WG1827872	
Di-isopropyl ether	U			0.0140	0.0400	1	03/07/2022 16:48 WG1827872	
Ethylbenzene	U			0.0212	0.100	1	03/07/2022 16:48 WG1827872	
Hexachloro-1,3-butadiene	U			0.508	1.00	1	03/07/2022 16:48 WG1827872	
Isopropylbenzene	U			0.0345	0.100	1	03/07/2022 16:48 WG1827872	
p-Isopropyltoluene	U			0.0932	0.200	1	03/07/2022 16:48 WG1827872	
2-Butanone (MEK)	U			0.500	1.00	1	03/07/2022 16:48 WG1827872	
Methylene Chloride	U			0.265	1.00	1	03/07/2022 16:48 WG1827872	
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	03/07/2022 16:48 WG1827872	
Methyl tert-butyl ether	U			0.0118	0.0400	1	03/07/2022 16:48 WG1827872	
Naphthalene	U		UJ	C3	0.124	0.500	1	03/07/2022 16:48 WG1827872
n-Propylbenzene	U			0.0472	0.200	1	03/07/2022 16:48 WG1827872	
Styrene	U			0.109	0.500	1	03/07/2022 16:48 WG1827872	
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	03/07/2022 16:48 WG1827872	
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	03/07/2022 16:48 WG1827872	
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	03/07/2022 16:48 WG1827872	
Tetrachloroethene	0.117			0.0280	0.100	1	03/07/2022 16:48 WG1827872	
Toluene	0.173		J	0.0500	0.200	1	03/07/2022 16:48 WG1827872	
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	03/07/2022 16:48 WG1827872	
1,2,4-Trichlorobenzene	U			0.193	0.500	1	03/07/2022 16:48 WG1827872	
1,1,1-Trichloroethane	U			0.0110	0.100	1	03/07/2022 16:48 WG1827872	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/31/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Trichloroethene	U		0.0160	0.0400	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 16:48	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 16:48	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	0.0710	U	0.0464	0.200	1	03/07/2022 16:48	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 16:48	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Vinyl chloride	U		0.0273	0.100	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Xylenes, Total	0.199	U	0.191	0.260	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Ethyl Ether	U		0.0170	0.100	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 16:48	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 16:48	<a href="#">WG1827872</a>
(S) Toluene-d8	94.7			75.0-131		03/07/2022 16:48	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	98.0			67.0-138		03/07/2022 16:48	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/07/2022 16:48	<a href="#">WG1827872</a>

1  
Cp

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Tc

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Ss

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Sr

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Qc

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Gl

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Al

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Sc

JC 3/31.2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.41	J+	C5 J4	0.548	1.00	1	03/07/2022 17:15 WG1827872
Acrylonitrile	U			0.0760	0.500	1	03/07/2022 17:15 WG1827872
Benzene	U			0.0160	0.0400	1	03/07/2022 17:15 WG1827872
Bromobenzene	U			0.0420	0.500	1	03/07/2022 17:15 WG1827872
Bromodichloromethane	U			0.0315	0.100	1	03/07/2022 17:15 WG1827872
Bromoform	U			0.239	1.00	1	03/07/2022 17:15 WG1827872
Bromomethane	U			0.148	0.500	1	03/07/2022 17:15 WG1827872
n-Butylbenzene	U			0.153	0.500	1	03/07/2022 17:15 WG1827872
sec-Butylbenzene	U			0.101	0.500	1	03/07/2022 17:15 WG1827872
tert-Butylbenzene	U			0.0620	0.200	1	03/07/2022 17:15 WG1827872
Carbon tetrachloride	U		J4	0.0432	0.200	1	03/07/2022 17:15 WG1827872
Chlorobenzene	U			0.0229	0.100	1	03/07/2022 17:15 WG1827872
Chlorodibromomethane	U			0.0180	0.100	1	03/07/2022 17:15 WG1827872
Chloroethane	U			0.0432	0.200	1	03/07/2022 17:15 WG1827872
Chloroform	U			0.0166	0.100	1	03/07/2022 17:15 WG1827872
Chloromethane	U			0.0556	0.500	1	03/07/2022 17:15 WG1827872
2-Chlorotoluene	U			0.0368	0.100	1	03/07/2022 17:15 WG1827872
4-Chlorotoluene	U			0.0452	0.200	1	03/07/2022 17:15 WG1827872
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	03/07/2022 17:15 WG1827872
1,2-Dibromoethane	U			0.0210	0.100	1	03/07/2022 17:15 WG1827872
Dibromomethane	U			0.0400	0.200	1	03/07/2022 17:15 WG1827872
1,2-Dichlorobenzene	U			0.0580	0.200	1	03/07/2022 17:15 WG1827872
1,3-Dichlorobenzene	U			0.0680	0.200	1	03/07/2022 17:15 WG1827872
1,4-Dichlorobenzene	U			0.0788	0.200	1	03/07/2022 17:15 WG1827872
Dichlorodifluoromethane	U			0.0327	0.100	1	03/07/2022 17:15 WG1827872
1,1-Dichloroethane	U			0.0230	0.100	1	03/07/2022 17:15 WG1827872
1,2-Dichloroethane	U			0.0190	0.100	1	03/07/2022 17:15 WG1827872
1,1-Dichloroethene	U			0.0200	0.100	1	03/07/2022 17:15 WG1827872
cis-1,2-Dichloroethene	U			0.0276	0.100	1	03/07/2022 17:15 WG1827872
trans-1,2-Dichloroethene	U			0.0572	0.200	1	03/07/2022 17:15 WG1827872
1,2-Dichloropropane	U			0.0508	0.200	1	03/07/2022 17:15 WG1827872
1,1-Dichloropropene	U			0.0280	0.100	1	03/07/2022 17:15 WG1827872
1,3-Dichloropropane	U			0.0700	0.200	1	03/07/2022 17:15 WG1827872
cis-1,3-Dichloropropene	U			0.0271	0.100	1	03/07/2022 17:15 WG1827872
trans-1,3-Dichloropropene	U			0.0612	0.200	1	03/07/2022 17:15 WG1827872
2,2-Dichloropropane	U			0.0317	0.100	1	03/07/2022 17:15 WG1827872
Di-isopropyl ether	0.116			0.0140	0.0400	1	03/07/2022 17:15 WG1827872
Ethylbenzene	U			0.0212	0.100	1	03/07/2022 17:15 WG1827872
Hexachloro-1,3-butadiene	U			0.508	1.00	1	03/07/2022 17:15 WG1827872
Isopropylbenzene	U			0.0345	0.100	1	03/07/2022 17:15 WG1827872
p-Isopropyltoluene	U			0.0932	0.200	1	03/07/2022 17:15 WG1827872
2-Butanone (MEK)	U			0.500	1.00	1	03/07/2022 17:15 WG1827872
Methylene Chloride	U			0.265	1.00	1	03/07/2022 17:15 WG1827872
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	03/07/2022 17:15 WG1827872
Methyl tert-butyl ether	U			0.0118	0.0400	1	03/07/2022 17:15 WG1827872
Naphthalene	U		UJ C3	0.124	0.500	1	03/07/2022 17:15 WG1827872
n-Propylbenzene	U			0.0472	0.200	1	03/07/2022 17:15 WG1827872
Styrene	U			0.109	0.500	1	03/07/2022 17:15 WG1827872
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	03/07/2022 17:15 WG1827872
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	03/07/2022 17:15 WG1827872
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	03/07/2022 17:15 WG1827872
Tetrachloroethene	U			0.0280	0.100	1	03/07/2022 17:15 WG1827872
Toluene	U			0.0500	0.200	1	03/07/2022 17:15 WG1827872
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	03/07/2022 17:15 WG1827872
1,2,4-Trichlorobenzene	U			0.193	0.500	1	03/07/2022 17:15 WG1827872
1,1,1-Trichloroethane	U			0.0110	0.100	1	03/07/2022 17:15 WG1827872

1 Cp

2 Tc

3 Ss

4 Cn

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6 Qc

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8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Trichloroethene	U		0.0160	0.0400	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 17:15	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 17:15	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/07/2022 17:15	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 17:15	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Vinyl chloride	U		0.0273	0.100	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Xylenes, Total	U		0.191	0.260	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Ethyl Ether	0.335	J+ C5	0.0170	0.100	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 17:15	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 17:15	<a href="#">WG1827872</a>
(S) Toluene-d8	96.0			75.0-131		03/07/2022 17:15	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	103			67.0-138		03/07/2022 17:15	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/07/2022 17:15	<a href="#">WG1827872</a>

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Tc

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Ss

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Sr

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Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	13600		594	5000	1	03/05/2022 18:00	<a href="#">WG1827867</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6040		102	1000	1	03/05/2022 20:26	<a href="#">WG1827675</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12300		28.1	100	1	03/08/2022 14:23	<a href="#">WG1828306</a>
Manganese	2900		0.704	5.00	1	03/08/2022 14:23	<a href="#">WG1828306</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1910		0.287	0.678	1	03/10/2022 11:08	<a href="#">WG1829663</a>
Ethane	U		0.296	1.29	1	03/10/2022 11:08	<a href="#">WG1829663</a>
Ethene	U		0.422	1.27	1	03/10/2022 11:08	<a href="#">WG1829663</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.30	J+	<a href="#">C5 J4</a>	0.548	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Acrylonitrile	U		0.0760	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Benzene	0.0380	J	0.0160	0.0400	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Bromobenzene	U		0.0420	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Bromoform	U		0.239	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Bromomethane	U		0.148	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
n-Butylbenzene	U		0.153	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Carbon tetrachloride	U		<a href="#">J4</a>	0.0432	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Chlorobenzene	U		0.0229	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Chloroethane	U		0.0432	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Chloroform	U		0.0166	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Chloromethane	U		0.0556	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Dibromomethane	U		0.0400	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>	
cis-1,2-Dichloroethene	8.33	J+	<a href="#">C5</a>	0.0276	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
trans-1,2-Dichloroethene	0.0940	J		0.0572	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Di-isopropyl ether	U		0.0140	0.0400	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Ethylbenzene	U		0.0212	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Isopropylbenzene	U		0.0345	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Methylene Chloride	U		0.265	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Naphthalene	U	UJ C3	0.124	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
n-Propylbenzene	U		0.0472	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Styrene	U		0.109	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Tetrachloroethene	0.443		0.0280	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Toluene	U		0.0500	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Trichloroethene	1.64		0.0160	0.0400	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Vinyl chloride	0.316		0.0273	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Xylenes, Total	U		0.191	0.260	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Ethyl Ether	U		0.0170	0.100	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 17:34	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 17:34	<a href="#">WG1827872</a>
(S) Toluene-d8	96.3			75.0-131		03/07/2022 17:34	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	93.9			67.0-138		03/07/2022 17:34	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		03/07/2022 17:34	<a href="#">WG1827872</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.76	J+	C5 J4	0.548	1.00	1	03/07/2022 17:53 WG1827872
Acrylonitrile	U			0.0760	0.500	1	03/07/2022 17:53 WG1827872
Benzene	36.9			0.0160	0.0400	1	03/07/2022 17:53 WG1827872
Bromobenzene	U			0.0420	0.500	1	03/07/2022 17:53 WG1827872
Bromodichloromethane	U			0.0315	0.100	1	03/07/2022 17:53 WG1827872
Bromoform	U			0.239	1.00	1	03/07/2022 17:53 WG1827872
Bromomethane	U			0.148	0.500	1	03/07/2022 17:53 WG1827872
n-Butylbenzene	U			0.153	0.500	1	03/07/2022 17:53 WG1827872
sec-Butylbenzene	U			0.101	0.500	1	03/07/2022 17:53 WG1827872
tert-Butylbenzene	U			0.0620	0.200	1	03/07/2022 17:53 WG1827872
Carbon tetrachloride	U		J4	0.0432	0.200	1	03/07/2022 17:53 WG1827872
Chlorobenzene	U			0.0229	0.100	1	03/07/2022 17:53 WG1827872
Chlorodibromomethane	U			0.0180	0.100	1	03/07/2022 17:53 WG1827872
Chloroethane	U			0.0432	0.200	1	03/07/2022 17:53 WG1827872
Chloroform	0.311			0.0166	0.100	1	03/07/2022 17:53 WG1827872
Chloromethane	U			0.0556	0.500	1	03/07/2022 17:53 WG1827872
2-Chlorotoluene	U			0.0368	0.100	1	03/07/2022 17:53 WG1827872
4-Chlorotoluene	U			0.0452	0.200	1	03/07/2022 17:53 WG1827872
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	03/07/2022 17:53 WG1827872
1,2-Dibromoethane	U			0.0210	0.100	1	03/07/2022 17:53 WG1827872
Dibromomethane	U			0.0400	0.200	1	03/07/2022 17:53 WG1827872
1,2-Dichlorobenzene	U			0.0580	0.200	1	03/07/2022 17:53 WG1827872
1,3-Dichlorobenzene	U			0.0680	0.200	1	03/07/2022 17:53 WG1827872
1,4-Dichlorobenzene	U			0.0788	0.200	1	03/07/2022 17:53 WG1827872
Dichlorodifluoromethane	U			0.0327	0.100	1	03/07/2022 17:53 WG1827872
1,1-Dichloroethane	0.151			0.0230	0.100	1	03/07/2022 17:53 WG1827872
1,2-Dichloroethane	0.165	J+	C5	0.0190	0.100	1	03/07/2022 17:53 WG1827872
1,1-Dichloroethene	U			0.0200	0.100	1	03/07/2022 17:53 WG1827872
cis-1,2-Dichloroethene	5.50	J+	C5	0.0276	0.100	1	03/07/2022 17:53 WG1827872
trans-1,2-Dichloroethene	0.105		J	0.0572	0.200	1	03/07/2022 17:53 WG1827872
1,2-Dichloropropane	U			0.0508	0.200	1	03/07/2022 17:53 WG1827872
1,1-Dichloropropene	U			0.0280	0.100	1	03/07/2022 17:53 WG1827872
1,3-Dichloropropane	U			0.0700	0.200	1	03/07/2022 17:53 WG1827872
cis-1,3-Dichloropropene	U			0.0271	0.100	1	03/07/2022 17:53 WG1827872
trans-1,3-Dichloropropene	U			0.0612	0.200	1	03/07/2022 17:53 WG1827872
2,2-Dichloropropane	U			0.0317	0.100	1	03/07/2022 17:53 WG1827872
Di-isopropyl ether	0.553			0.0140	0.0400	1	03/07/2022 17:53 WG1827872
Ethylbenzene	U			0.0212	0.100	1	03/07/2022 17:53 WG1827872
Hexachloro-1,3-butadiene	U			0.508	1.00	1	03/07/2022 17:53 WG1827872
Isopropylbenzene	U			0.0345	0.100	1	03/07/2022 17:53 WG1827872
p-Isopropyltoluene	U			0.0932	0.200	1	03/07/2022 17:53 WG1827872
2-Butanone (MEK)	U			0.500	1.00	1	03/07/2022 17:53 WG1827872
Methylene Chloride	U			0.265	1.00	1	03/07/2022 17:53 WG1827872
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	03/07/2022 17:53 WG1827872
Methyl tert-butyl ether	0.264			0.0118	0.0400	1	03/07/2022 17:53 WG1827872
Naphthalene	U	UJ	C3	0.124	0.500	1	03/07/2022 17:53 WG1827872
n-Propylbenzene	U			0.0472	0.200	1	03/07/2022 17:53 WG1827872
Styrene	U			0.109	0.500	1	03/07/2022 17:53 WG1827872
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	03/07/2022 17:53 WG1827872
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	03/07/2022 17:53 WG1827872
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	03/07/2022 17:53 WG1827872
Tetrachloroethene	U			0.0280	0.100	1	03/07/2022 17:53 WG1827872
Toluene	0.0950		J	0.0500	0.200	1	03/07/2022 17:53 WG1827872
1,2,3-Trichlorobenzene	U			0.0250	0.500	1	03/07/2022 17:53 WG1827872
1,2,4-Trichlorobenzene	U			0.193	0.500	1	03/07/2022 17:53 WG1827872
1,1,1-Trichloroethane	U			0.0110	0.100	1	03/07/2022 17:53 WG1827872

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Trichloroethene	U		0.0160	0.0400	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/07/2022 17:53	<a href="#">WG1827872</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/07/2022 17:53	<a href="#">WG1827872</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/07/2022 17:53	<a href="#">WG1827872</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/07/2022 17:53	<a href="#">WG1827872</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Vinyl chloride	75.1		0.0273	0.100	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Xylenes, Total	U		0.191	0.260	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Ethyl Ether	U		0.0170	0.100	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Iodomethane	U		0.242	0.500	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Allyl chloride	U		0.580	1.00	1	03/07/2022 17:53	<a href="#">WG1827872</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/07/2022 17:53	<a href="#">WG1827872</a>
(S) Toluene-d8	90.1			75.0-131		03/07/2022 17:53	<a href="#">WG1827872</a>
(S) 4-Bromofluorobenzene	96.5			67.0-138		03/07/2022 17:53	<a href="#">WG1827872</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		03/07/2022 17:53	<a href="#">WG1827872</a>

1  
Cp

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Tc

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Ss

4  
Cn

5  
Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.74	U <del>J3</del>	0.548	1.00	1	03/15/2022 14:05	WG1829324
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 14:05	WG1829324
Benzene	U		0.0160	0.0400	1	03/15/2022 14:05	WG1829324
Bromobenzene	U		0.0420	0.500	1	03/15/2022 14:05	WG1829324
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 14:05	WG1829324
Bromoform	U	UJ C3	0.239	1.00	1	03/15/2022 14:05	WG1829324
Bromomethane	U		0.148	0.500	1	03/15/2022 14:05	WG1829324
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 14:05	WG1829324
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 14:05	WG1829324
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 14:05	WG1829324
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 14:05	WG1829324
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 14:05	WG1829324
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 14:05	WG1829324
Chloroethane	U		0.0432	0.200	1	03/15/2022 14:05	WG1829324
Chloroform	U		0.0166	0.100	1	03/15/2022 14:05	WG1829324
Chloromethane	U		0.0556	0.500	1	03/15/2022 14:05	WG1829324
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 14:05	WG1829324
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 14:05	WG1829324
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 14:05	WG1829324
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 14:05	WG1829324
Dibromomethane	U		0.0400	0.200	1	03/15/2022 14:05	WG1829324
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 14:05	WG1829324
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 14:05	WG1829324
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 14:05	WG1829324
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 14:05	WG1829324
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 14:05	WG1829324
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 14:05	WG1829324
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 14:05	WG1829324
cis-1,2-Dichloroethene	8.16		0.0276	0.100	1	03/15/2022 14:05	WG1829324
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 14:05	WG1829324
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 14:05	WG1829324
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 14:05	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 14:05	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 14:05	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 14:05	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 14:05	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 14:05	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 14:05	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 14:05	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 14:05	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 14:05	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 14:05	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 14:05	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 14:05	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 14:05	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 14:05	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 14:05	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 14:05	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 14:05	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 14:05	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 14:05	WG1829324
Tetrachloroethene	0.316		0.0280	0.100	1	03/15/2022 14:05	WG1829324
Toluene	0.0660	U <del>J</del>	0.0500	0.200	1	03/15/2022 14:05	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 14:05	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 14:05	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 14:05	WG1829324

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/31/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Trichloroethene	1.21		0.0160	0.0400	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 14:05	<a href="#">WG1829324</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 14:05	<a href="#">WG1829324</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 14:05	<a href="#">WG1829324</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 14:05	<a href="#">WG1829324</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Vinyl chloride	U		0.0273	0.100	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Xylenes, Total	U		0.191	0.260	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Iodomethane	U		0.242	0.500	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Allyl chloride	U		0.580	1.00	1	03/15/2022 14:05	<a href="#">WG1829324</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 14:05	<a href="#">WG1829324</a>
(S) Toluene-d8	103			75.0-131		03/15/2022 14:05	<a href="#">WG1829324</a>
(S) 4-Bromofluorobenzene	101			67.0-138		03/15/2022 14:05	<a href="#">WG1829324</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		03/15/2022 14:05	<a href="#">WG1829324</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.48	U <del>J3</del>	0.548	1.00	1	03/15/2022 14:24	WG1829324
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 14:24	WG1829324
Benzene	U		0.0160	0.0400	1	03/15/2022 14:24	WG1829324
Bromobenzene	U		0.0420	0.500	1	03/15/2022 14:24	WG1829324
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 14:24	WG1829324
Bromoform	U	UJ C3	0.239	1.00	1	03/15/2022 14:24	WG1829324
Bromomethane	U		0.148	0.500	1	03/15/2022 14:24	WG1829324
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 14:24	WG1829324
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 14:24	WG1829324
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 14:24	WG1829324
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 14:24	WG1829324
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 14:24	WG1829324
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 14:24	WG1829324
Chloroethane	U		0.0432	0.200	1	03/15/2022 14:24	WG1829324
Chloroform	U		0.0166	0.100	1	03/15/2022 14:24	WG1829324
Chloromethane	U		0.0556	0.500	1	03/15/2022 14:24	WG1829324
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 14:24	WG1829324
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 14:24	WG1829324
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 14:24	WG1829324
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 14:24	WG1829324
Dibromomethane	U		0.0400	0.200	1	03/15/2022 14:24	WG1829324
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 14:24	WG1829324
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 14:24	WG1829324
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 14:24	WG1829324
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 14:24	WG1829324
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 14:24	WG1829324
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 14:24	WG1829324
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 14:24	WG1829324
cis-1,2-Dichloroethene	1.31		0.0276	0.100	1	03/15/2022 14:24	WG1829324
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 14:24	WG1829324
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 14:24	WG1829324
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 14:24	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 14:24	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 14:24	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 14:24	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 14:24	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 14:24	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 14:24	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 14:24	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 14:24	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 14:24	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 14:24	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 14:24	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 14:24	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 14:24	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 14:24	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 14:24	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 14:24	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 14:24	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 14:24	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 14:24	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/15/2022 14:24	WG1829324
Toluene	U		0.0500	0.200	1	03/15/2022 14:24	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 14:24	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 14:24	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 14:24	WG1829324

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Trichloroethene	U		0.0160	0.0400	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 14:24	<a href="#">WG1829324</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 14:24	<a href="#">WG1829324</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 14:24	<a href="#">WG1829324</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 14:24	<a href="#">WG1829324</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Vinyl chloride	U		0.0273	0.100	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Xylenes, Total	U		0.191	0.260	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Iodomethane	U		0.242	0.500	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Allyl chloride	U		0.580	1.00	1	03/15/2022 14:24	<a href="#">WG1829324</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 14:24	<a href="#">WG1829324</a>
(S) Toluene-d8	103			75.0-131		03/15/2022 14:24	<a href="#">WG1829324</a>
(S) 4-Bromofluorobenzene	101			67.0-138		03/15/2022 14:24	<a href="#">WG1829324</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/15/2022 14:24	<a href="#">WG1829324</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.28	U JS	0.548	1.00	1	03/15/2022 17:20	WG1829324
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 17:20	WG1829324
Benzene	0.183		0.0160	0.0400	1	03/15/2022 17:20	WG1829324
Bromobenzene	U		0.0420	0.500	1	03/15/2022 17:20	WG1829324
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 17:20	WG1829324
Bromoform	U	UJ C3	0.239	1.00	1	03/15/2022 17:20	WG1829324
Bromomethane	U		0.148	0.500	1	03/15/2022 17:20	WG1829324
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 17:20	WG1829324
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 17:20	WG1829324
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 17:20	WG1829324
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 17:20	WG1829324
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 17:20	WG1829324
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 17:20	WG1829324
Chloroethane	U		0.0432	0.200	1	03/15/2022 17:20	WG1829324
Chloroform	U		0.0166	0.100	1	03/15/2022 17:20	WG1829324
Chloromethane	U		0.0556	0.500	1	03/15/2022 17:20	WG1829324
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 17:20	WG1829324
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 17:20	WG1829324
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 17:20	WG1829324
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 17:20	WG1829324
Dibromomethane	U		0.0400	0.200	1	03/15/2022 17:20	WG1829324
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 17:20	WG1829324
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 17:20	WG1829324
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 17:20	WG1829324
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 17:20	WG1829324
1,1-Dichloroethane	0.0320	U J	0.0230	0.100	1	03/15/2022 17:20	WG1829324
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 17:20	WG1829324
1,1-Dichloroethene	3.81		0.0200	0.100	1	03/15/2022 17:20	WG1829324
cis-1,2-Dichloroethene	846		0.690	2.50	25	03/16/2022 20:40	WG1832986
trans-1,2-Dichloroethene	2.12		0.0572	0.200	1	03/15/2022 17:20	WG1829324
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 17:20	WG1829324
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 17:20	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 17:20	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 17:20	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 17:20	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 17:20	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 17:20	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 17:20	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 17:20	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 17:20	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 17:20	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 17:20	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 17:20	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 17:20	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 17:20	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 17:20	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 17:20	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 17:20	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 17:20	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 17:20	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 17:20	WG1829324
Tetrachloroethene	134		0.700	2.50	25	03/16/2022 20:40	WG1832986
Toluene	0.0530	U J	0.0500	0.200	1	03/15/2022 17:20	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 17:20	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 17:20	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 17:20	WG1829324

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Trichloroethene	290		0.400	1.00	25	03/16/2022 20:40	<a href="#">WG1832986</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 17:20	<a href="#">WG1829324</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 17:20	<a href="#">WG1829324</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 17:20	<a href="#">WG1829324</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 17:20	<a href="#">WG1829324</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Vinyl chloride	2.22		0.0273	0.100	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Xylenes, Total	U		0.191	0.260	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Iodomethane	U		0.242	0.500	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Allyl chloride	U		0.580	1.00	1	03/15/2022 17:20	<a href="#">WG1829324</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 17:20	<a href="#">WG1829324</a>
(S) Toluene-d8	104			75.0-131		03/15/2022 17:20	<a href="#">WG1829324</a>
(S) Toluene-d8	106			75.0-131		03/16/2022 20:40	<a href="#">WG1832986</a>
(S) 4-Bromofluorobenzene	101			67.0-138		03/15/2022 17:20	<a href="#">WG1829324</a>
(S) 4-Bromofluorobenzene	99.4			67.0-138		03/16/2022 20:40	<a href="#">WG1832986</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/15/2022 17:20	<a href="#">WG1829324</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		03/16/2022 20:40	<a href="#">WG1832986</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	46400		594	5000	1	03/08/2022 03:34	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9930		102	1000	1	03/08/2022 18:38	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5600		28.1	100	1	03/11/2022 15:29	<a href="#">WG1829397</a>
Manganese	3900		0.704	5.00	1	03/11/2022 15:29	<a href="#">WG1829397</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2020	J	0.287	0.678	1	03/11/2022 11:40	<a href="#">WG1830865</a>
Ethane	U	UJ	0.296	1.29	1	03/11/2022 11:40	<a href="#">WG1830865</a>
Ethene	U		0.422	1.27	1	03/11/2022 11:40	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.28	U	<del>0.3</del> 0.548	1.00	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Benzene	0.231	J	0.0160	0.0400	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Bromobenzene	U		0.0420	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Bromoform	U	UJ	<del>0.3</del> 0.239	1.00	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Bromomethane	U		0.148	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Chloroethane	U		0.0432	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Chloroform	U		0.0166	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Chloromethane	U		0.0556	0.500	1	03/15/2022 14:43	<a href="#">WG1829324</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Dibromomethane	U		0.0400	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,1-Dichloroethane	0.151		0.0230	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,2-Dichloroethane	0.110		0.0190	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,1-Dichloroethene	2.97	J	0.0200	0.100	1	03/15/2022 14:43	<a href="#">WG1829324</a>
cis-1,2-Dichloroethene	583		0.690	2.50	25	03/16/2022 20:59	<a href="#">WG1832986</a>
trans-1,2-Dichloroethene	4.04		0.0572	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 14:43	<a href="#">WG1829324</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 4/4/2022  
JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 14:43	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 14:43	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 14:43	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 14:43	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 14:43	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 14:43	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 14:43	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 14:43	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 14:43	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 14:43	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 14:43	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 14:43	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 14:43	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 14:43	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 14:43	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 14:43	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 14:43	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 14:43	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 14:43	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 14:43	WG1829324
Tetrachloroethene	769	J	0.700	2.50	25	03/16/2022 20:59	WG1832986
Toluene	0.127	U	0.0500	0.200	1	03/15/2022 14:43	WG1829324
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	03/15/2022 14:43	WG1829324
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	03/15/2022 14:43	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 14:43	WG1829324
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 14:43	WG1829324
Trichloroethene	277		0.400	1.00	25	03/16/2022 20:59	WG1832986
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 14:43	WG1829324
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 14:43	WG1829324
1,2,4-Trimethylbenzene	0.0670	U	0.0464	0.200	1	03/15/2022 14:43	WG1829324
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 14:43	WG1829324
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 14:43	WG1829324
Vinyl chloride	0.637		0.0273	0.100	1	03/15/2022 14:43	WG1829324
Xylenes, Total	U		0.191	0.260	1	03/15/2022 14:43	WG1829324
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 14:43	WG1829324
Tetrahydrofuran	1.58		0.0900	0.500	1	03/15/2022 14:43	WG1829324
Iodomethane	U		0.242	0.500	1	03/15/2022 14:43	WG1829324
Allyl chloride	U		0.580	1.00	1	03/15/2022 14:43	WG1829324
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	03/15/2022 14:43	WG1829324
(S) Toluene-d8	103			75.0-131		03/15/2022 14:43	WG1829324
(S) Toluene-d8	108			75.0-131		03/16/2022 20:59	WG1832986
(S) 4-Bromofluorobenzene	96.3			67.0-138		03/15/2022 14:43	WG1829324
(S) 4-Bromofluorobenzene	95.1			67.0-138		03/16/2022 20:59	WG1832986
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/15/2022 14:43	WG1829324
(S) 1,2-Dichloroethane-d4	105			70.0-130		03/16/2022 20:59	WG1832986

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 4/4/2022

JC 3/31/2022

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	47700		594	5000	1	03/08/2022 03:47	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	9880		102	1000	1	03/08/2022 19:30	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	6190		28.1	100	1	03/11/2022 15:32	<a href="#">WG1829397</a>
Manganese	4070		0.704	5.00	1	03/11/2022 15:32	<a href="#">WG1829397</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3060	J	0.287	0.678	1	03/11/2022 11:53	<a href="#">WG1830865</a>
Ethane	16.7	J	0.296	1.29	1	03/11/2022 11:53	<a href="#">WG1830865</a>
Ethene	U		0.422	1.27	1	03/11/2022 11:53	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	11.8	<del>JS</del>	5.48	10.0	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Acrylonitrile	U		0.760	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Benzene	0.450	J	0.160	0.400	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Bromobenzene	U		0.420	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Bromodichloromethane	U		0.315	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Bromoform	U	UJ	<del>C3</del>	2.39	10.0	03/15/2022 17:39	<a href="#">WG1829324</a>
Bromomethane	U		1.48	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
n-Butylbenzene	U		1.53	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
sec-Butylbenzene	U		1.01	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
tert-Butylbenzene	U		0.620	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Carbon tetrachloride	U		0.432	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Chlorobenzene	U		0.229	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Chlorodibromomethane	U		0.180	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Chloroethane	U		0.432	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Chloroform	U		0.166	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Chloromethane	U		0.556	5.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
2-Chlorotoluene	U		0.368	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
4-Chlorotoluene	U		0.452	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,2-Dibromoethane	U		0.210	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Dibromomethane	U		0.400	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
Dichlorodifluoromethane	U		0.327	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,1-Dichloroethane	U		0.230	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,2-Dichloroethane	U		0.190	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,1-Dichloroethene	1.94	J	0.200	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
cis-1,2-Dichloroethene	568		0.276	1.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
trans-1,2-Dichloroethene	4.95		0.572	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>
1,2-Dichloropropane	U		0.508	2.00	10	03/15/2022 17:39	<a href="#">WG1829324</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.280	1.00	10	03/15/2022 17:39	WG1829324	
1,3-Dichloropropane	U		0.700	2.00	10	03/15/2022 17:39	WG1829324	
cis-1,3-Dichloropropene	U		0.271	1.00	10	03/15/2022 17:39	WG1829324	
trans-1,3-Dichloropropene	U		0.612	2.00	10	03/15/2022 17:39	WG1829324	
2,2-Dichloropropane	U		0.317	1.00	10	03/15/2022 17:39	WG1829324	
Di-isopropyl ether	U		0.140	0.400	10	03/15/2022 17:39	WG1829324	
Ethylbenzene	U		0.212	1.00	10	03/15/2022 17:39	WG1829324	
Hexachloro-1,3-butadiene	U		5.08	10.0	10	03/15/2022 17:39	WG1829324	
Isopropylbenzene	U		0.345	1.00	10	03/15/2022 17:39	WG1829324	
p-Isopropyltoluene	U		0.932	2.00	10	03/15/2022 17:39	WG1829324	
2-Butanone (MEK)	U		5.00	10.0	10	03/15/2022 17:39	WG1829324	
Methylene Chloride	U		2.65	10.0	10	03/15/2022 17:39	WG1829324	
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	03/15/2022 17:39	WG1829324	
Methyl tert-butyl ether	U		0.118	0.400	10	03/15/2022 17:39	WG1829324	
Naphthalene	U		1.24	5.00	10	03/15/2022 17:39	WG1829324	
n-Propylbenzene	U		0.472	2.00	10	03/15/2022 17:39	WG1829324	
Styrene	U		1.09	5.00	10	03/15/2022 17:39	WG1829324	
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	03/15/2022 17:39	WG1829324	
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	03/15/2022 17:39	WG1829324	
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	03/15/2022 17:39	WG1829324	
Tetrachloroethene	516	J	0.280	1.00	10	03/15/2022 17:39	WG1829324	
Toluene	U		0.500	2.00	10	03/15/2022 17:39	WG1829324	
1,2,3-Trichlorobenzene	U	UJ	C4	0.250	5.00	10	03/15/2022 17:39	WG1829324
1,2,4-Trichlorobenzene	U	UJ	C4	1.93	5.00	10	03/15/2022 17:39	WG1829324
1,1,1-Trichloroethane	U		0.110	1.00	10	03/15/2022 17:39	WG1829324	
1,1,2-Trichloroethane	U		0.353	1.00	10	03/15/2022 17:39	WG1829324	
Trichloroethene	220		0.160	0.400	10	03/15/2022 17:39	WG1829324	
Trichlorofluoromethane	U		0.200	1.00	10	03/15/2022 17:39	WG1829324	
1,2,3-Trichloropropane	U		2.04	5.00	10	03/15/2022 17:39	WG1829324	
1,2,4-Trimethylbenzene	U		0.464	2.00	10	03/15/2022 17:39	WG1829324	
1,2,3-Trimethylbenzene	U		0.460	2.00	10	03/15/2022 17:39	WG1829324	
1,3,5-Trimethylbenzene	U		0.432	2.00	10	03/15/2022 17:39	WG1829324	
Vinyl chloride	U		0.273	1.00	10	03/15/2022 17:39	WG1829324	
Xylenes, Total	U		1.91	2.60	10	03/15/2022 17:39	WG1829324	
Ethyl Ether	U		0.170	1.00	10	03/15/2022 17:39	WG1829324	
Tetrahydrofuran	U		0.900	5.00	10	03/15/2022 17:39	WG1829324	
Iodomethane	U		2.42	5.00	10	03/15/2022 17:39	WG1829324	
Allyl chloride	U		5.80	10.0	10	03/15/2022 17:39	WG1829324	
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.560	2.00	10	03/15/2022 17:39	WG1829324
(S) Toluene-d8	102			75.0-131		03/15/2022 17:39	WG1829324	
(S) 4-Bromofluorobenzene	98.6			67.0-138		03/15/2022 17:39	WG1829324	
(S) 1,2-Dichloroethane-d4	105			70.0-130		03/15/2022 17:39	WG1829324	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 4/4/2022

JC 3/31/2022

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1910	U J	594	5000	1	03/08/2022 04:01	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4260	<del>B</del>	102	1000	1	03/08/2022 19:45	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		28.1	100	1	03/11/2022 15:36	<a href="#">WG1829397</a>
Manganese	3500		0.704	5.00	1	03/11/2022 15:36	<a href="#">WG1829397</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4030		0.287	0.678	1	03/11/2022 11:59	<a href="#">WG1830865</a>
Ethane	6.63		0.296	1.29	1	03/11/2022 11:59	<a href="#">WG1830865</a>
Ethene	U		0.422	1.27	1	03/11/2022 11:59	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.38	U <del>JS</del>	0.548	1.00	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Benzene	0.0330	J	0.0160	0.0400	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Bromobenzene	U		0.0420	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Bromoform	U	UJ C3	0.239	1.00	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Bromomethane	U		0.148	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Chloroethane	U		0.0432	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Chloroform	U		0.0166	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Chloromethane	U		0.0556	0.500	1	03/15/2022 15:02	<a href="#">WG1829324</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Dibromomethane	U		0.0400	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 15:02	<a href="#">WG1829324</a>
cis-1,2-Dichloroethene	0.175		0.0276	0.100	1	03/17/2022 00:17	<a href="#">WG1832986</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 15:02	<a href="#">WG1829324</a>

JC 3/31/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 15:02	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 15:02	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 15:02	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 15:02	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 15:02	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 15:02	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 15:02	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 15:02	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 15:02	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 15:02	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 15:02	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 15:02	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 15:02	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 15:02	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 15:02	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 15:02	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 15:02	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 15:02	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 15:02	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 15:02	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/17/2022 00:17	WG1832986
Toluene	U		0.0500	0.200	1	03/15/2022 15:02	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 15:02	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 15:02	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 15:02	WG1829324
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 15:02	WG1829324
Trichloroethene	U		0.0160	0.0400	1	03/17/2022 00:17	WG1832986
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 15:02	WG1829324
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 15:02	WG1829324
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 15:02	WG1829324
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 15:02	WG1829324
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 15:02	WG1829324
Vinyl chloride	0.0720	J	0.0273	0.100	1	03/15/2022 15:02	WG1829324
Xylenes, Total	U		0.191	0.260	1	03/15/2022 15:02	WG1829324
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 15:02	WG1829324
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 15:02	WG1829324
Iodomethane	U		0.242	0.500	1	03/15/2022 15:02	WG1829324
Allyl chloride	U		0.580	1.00	1	03/15/2022 15:02	WG1829324
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 15:02	WG1829324
(S) Toluene-d8	103			75.0-131		03/15/2022 15:02	WG1829324
(S) Toluene-d8	109			75.0-131		03/17/2022 00:17	WG1832986
(S) 4-Bromofluorobenzene	97.2			67.0-138		03/15/2022 15:02	WG1829324
(S) 4-Bromofluorobenzene	99.8			67.0-138		03/17/2022 00:17	WG1832986
(S) 1,2-Dichloroethane-d4	108			70.0-130		03/15/2022 15:02	WG1829324
(S) 1,2-Dichloroethane-d4	103			70.0-130		03/17/2022 00:17	WG1832986

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.68	U	0.548	1.00	1	03/15/2022 15:21	WG1829324
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 15:21	WG1829324
Benzene	0.0350	J	0.0160	0.0400	1	03/15/2022 15:21	WG1829324
Bromobenzene	U		0.0420	0.500	1	03/15/2022 15:21	WG1829324
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 15:21	WG1829324
Bromoform	U	UJ	0.239	1.00	1	03/15/2022 15:21	WG1829324
Bromomethane	U		0.148	0.500	1	03/15/2022 15:21	WG1829324
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 15:21	WG1829324
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 15:21	WG1829324
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 15:21	WG1829324
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 15:21	WG1829324
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 15:21	WG1829324
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 15:21	WG1829324
Chloroethane	U		0.0432	0.200	1	03/15/2022 15:21	WG1829324
Chloroform	U		0.0166	0.100	1	03/15/2022 15:21	WG1829324
Chloromethane	U		0.0556	0.500	1	03/15/2022 15:21	WG1829324
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 15:21	WG1829324
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 15:21	WG1829324
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 15:21	WG1829324
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 15:21	WG1829324
Dibromomethane	U		0.0400	0.200	1	03/15/2022 15:21	WG1829324
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 15:21	WG1829324
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 15:21	WG1829324
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 15:21	WG1829324
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 15:21	WG1829324
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 15:21	WG1829324
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 15:21	WG1829324
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 15:21	WG1829324
cis-1,2-Dichloroethene	6.58		0.0276	0.100	1	03/15/2022 15:21	WG1829324
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 15:21	WG1829324
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 15:21	WG1829324
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 15:21	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 15:21	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 15:21	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 15:21	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 15:21	WG1829324
Di-isopropyl ether	0.116		0.0140	0.0400	1	03/15/2022 15:21	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 15:21	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 15:21	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 15:21	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 15:21	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 15:21	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 15:21	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 15:21	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 15:21	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 15:21	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 15:21	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 15:21	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 15:21	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 15:21	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 15:21	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/16/2022 19:43	WG1832986
Toluene	U		0.0500	0.200	1	03/15/2022 15:21	WG1829324
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	03/15/2022 15:21	WG1829324
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	03/15/2022 15:21	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 15:21	WG1829324

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/31/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Trichloroethene	U		0.0160	0.0400	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 15:21	<a href="#">WG1829324</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 15:21	<a href="#">WG1829324</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 15:21	<a href="#">WG1829324</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 15:21	<a href="#">WG1829324</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Vinyl chloride	0.0910	<u>J</u>	0.0273	0.100	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Xylenes, Total	U		0.191	0.260	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Iodomethane	U		0.242	0.500	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Allyl chloride	U		0.580	1.00	1	03/15/2022 15:21	<a href="#">WG1829324</a>
Trans-1,4-Dichloro-2-butene	U	<b>UJ</b> <u>C3</u>	0.0560	0.200	1	03/15/2022 15:21	<a href="#">WG1829324</a>
(S) Toluene-d8	103			75.0-131		03/15/2022 15:21	<a href="#">WG1829324</a>
(S) Toluene-d8	107			75.0-131		03/16/2022 19:43	<a href="#">WG1832986</a>
(S) 4-Bromofluorobenzene	97.9			67.0-138		03/15/2022 15:21	<a href="#">WG1829324</a>
(S) 4-Bromofluorobenzene	101			67.0-138		03/16/2022 19:43	<a href="#">WG1832986</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/15/2022 15:21	<a href="#">WG1829324</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		03/16/2022 19:43	<a href="#">WG1832986</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	15900		594	5000	1	03/08/2022 04:14	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2800	<del>B</del>	102	1000	1	03/08/2022 19:59	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10100		28.1	100	1	03/11/2022 15:39	<a href="#">WG1829397</a>
Manganese	474		0.704	5.00	1	03/11/2022 15:39	<a href="#">WG1829397</a>

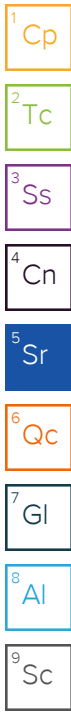
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	243		0.287	0.678	1	03/11/2022 12:05	<a href="#">WG1830865</a>
Ethane	0.580	J	0.296	1.29	1	03/11/2022 12:05	<a href="#">WG1830865</a>
Ethene	0.466	J	0.422	1.27	1	03/11/2022 12:05	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.42	U	<del>J3</del>	0.548	1.00	1	03/15/2022 15:40	<a href="#">WG1829324</a>
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Benzene	0.0260	J	0.0160	0.0400	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Bromobenzene	U		0.0420	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Bromoform	U	UJ	<del>C3</del>	0.239	1.00	1	03/15/2022 15:40	<a href="#">WG1829324</a>
Bromomethane	U		0.148	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Chloroethane	U		0.0432	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Chloroform	U		0.0166	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Chloromethane	U		0.0556	0.500	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Dibromomethane	U		0.0400	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
cis-1,2-Dichloroethene	0.0520	J	0.0276	0.100	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 15:40	<a href="#">WG1829324</a>	

JC 3/31/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 15:40	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 15:40	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 15:40	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 15:40	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 15:40	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 15:40	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 15:40	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 15:40	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 15:40	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 15:40	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 15:40	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 15:40	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 15:40	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 15:40	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 15:40	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 15:40	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 15:40	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 15:40	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 15:40	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 15:40	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/16/2022 20:02	WG1832986
Toluene	U		0.0500	0.200	1	03/15/2022 15:40	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 15:40	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 15:40	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 15:40	WG1829324
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 15:40	WG1829324
Trichloroethene	0.0940		0.0160	0.0400	1	03/15/2022 15:40	WG1829324
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 15:40	WG1829324
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 15:40	WG1829324
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 15:40	WG1829324
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 15:40	WG1829324
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 15:40	WG1829324
Vinyl chloride	0.273		0.0273	0.100	1	03/15/2022 15:40	WG1829324
Xylenes, Total	U		0.191	0.260	1	03/15/2022 15:40	WG1829324
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 15:40	WG1829324
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 15:40	WG1829324
Iodomethane	U		0.242	0.500	1	03/15/2022 15:40	WG1829324
Allyl chloride	U		0.580	1.00	1	03/15/2022 15:40	WG1829324
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 15:40	WG1829324
(S) Toluene-d8	101			75.0-131		03/15/2022 15:40	WG1829324
(S) Toluene-d8	109			75.0-131		03/16/2022 20:02	WG1832986
(S) 4-Bromofluorobenzene	96.9			67.0-138		03/15/2022 15:40	WG1829324
(S) 4-Bromofluorobenzene	101			67.0-138		03/16/2022 20:02	WG1832986
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/15/2022 15:40	WG1829324
(S) 1,2-Dichloroethane-d4	106			70.0-130		03/16/2022 20:02	WG1832986

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	49600		594	5000	1	03/08/2022 04:28	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10400		102	1000	1	03/08/2022 20:14	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6770		28.1	100	1	03/11/2022 15:49	<a href="#">WG1829397</a>
Manganese	2000		0.704	5.00	1	03/11/2022 15:49	<a href="#">WG1829397</a>

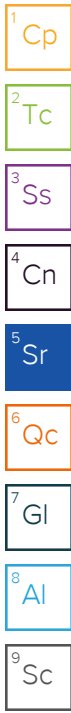
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3090		0.287	0.678	1	03/11/2022 12:08	<a href="#">WG1830865</a>
Ethane	8.78		0.296	1.29	1	03/11/2022 12:08	<a href="#">WG1830865</a>
Ethene	33.7		0.422	1.27	1	03/11/2022 12:08	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.32	U	<del>JS</del>	0.548	1.00	1	03/15/2022 15:59	<a href="#">WG1829324</a>
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Benzene	U		0.0160	0.0400	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Bromobenzene	U		0.0420	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Bromoform	U	UJ	<del>C3</del>	0.239	1.00	1	03/15/2022 15:59	<a href="#">WG1829324</a>
Bromomethane	U		0.148	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Chloroethane	4.10		0.0432	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Chloroform	U		0.0166	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Chloromethane	U		0.0556	0.500	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Dibromomethane	U		0.0400	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
cis-1,2-Dichloroethene	5.97		0.0276	0.100	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 15:59	<a href="#">WG1829324</a>	

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 15:59	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 15:59	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 15:59	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 15:59	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 15:59	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 15:59	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 15:59	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 15:59	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 15:59	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 15:59	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 15:59	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 15:59	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 15:59	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 15:59	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 15:59	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 15:59	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 15:59	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 15:59	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 15:59	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 15:59	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/16/2022 20:21	WG1832986
Toluene	U		0.0500	0.200	1	03/15/2022 15:59	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 15:59	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 15:59	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 15:59	WG1829324
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 15:59	WG1829324
Trichloroethene	U		0.0160	0.0400	1	03/15/2022 15:59	WG1829324
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 15:59	WG1829324
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 15:59	WG1829324
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 15:59	WG1829324
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 15:59	WG1829324
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 15:59	WG1829324
Vinyl chloride	37.0		0.0273	0.100	1	03/15/2022 15:59	WG1829324
Xylenes, Total	U		0.191	0.260	1	03/15/2022 15:59	WG1829324
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 15:59	WG1829324
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 15:59	WG1829324
Iodomethane	U		0.242	0.500	1	03/15/2022 15:59	WG1829324
Allyl chloride	U		0.580	1.00	1	03/15/2022 15:59	WG1829324
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 15:59	WG1829324
(S) Toluene-d8	103			75.0-131		03/15/2022 15:59	WG1829324
(S) Toluene-d8	106			75.0-131		03/16/2022 20:21	WG1832986
(S) 4-Bromofluorobenzene	97.7			67.0-138		03/15/2022 15:59	WG1829324
(S) 4-Bromofluorobenzene	98.8			67.0-138		03/16/2022 20:21	WG1832986
(S) 1,2-Dichloroethane-d4	111			70.0-130		03/15/2022 15:59	WG1829324
(S) 1,2-Dichloroethane-d4	106			70.0-130		03/16/2022 20:21	WG1832986

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	40900		594	5000	1	03/08/2022 04:41	<a href="#">WG1828516</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4820	<del>B</del>	102	1000	1	03/08/2022 20:28	<a href="#">WG1829210</a>

Metals (ICPMS) by Method 6020B

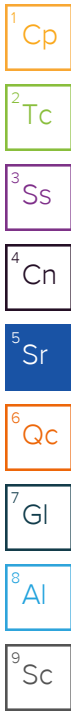
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1690		28.1	100	1	03/11/2022 15:52	<a href="#">WG1829397</a>
Manganese	871		0.704	5.00	1	03/11/2022 15:52	<a href="#">WG1829397</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1530		0.287	0.678	1	03/11/2022 12:11	<a href="#">WG1830865</a>
Ethane	1.34		0.296	1.29	1	03/11/2022 12:11	<a href="#">WG1830865</a>
Ethene	18.6		0.422	1.27	1	03/11/2022 12:11	<a href="#">WG1830865</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.06	U <del>SS</del>	0.548	1.00	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Acrylonitrile	U		0.0760	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Benzene	U		0.0160	0.0400	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Bromobenzene	U		0.0420	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Bromodichloromethane	U		0.0315	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Bromoform	U	UJ <del>C3</del>	0.239	1.00	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Bromomethane	U		0.148	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
n-Butylbenzene	U		0.153	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
sec-Butylbenzene	U		0.101	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Carbon tetrachloride	U		0.0432	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Chlorobenzene	U		0.0229	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Chloroethane	U		0.0432	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Chloroform	U		0.0166	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Chloromethane	U		0.0556	0.500	1	03/15/2022 17:00	<a href="#">WG1829324</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Dibromomethane	U		0.0400	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,1-Dichloroethene	0.111		0.0200	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
cis-1,2-Dichloroethene	43.3		0.0276	0.100	1	03/15/2022 17:00	<a href="#">WG1829324</a>
trans-1,2-Dichloroethene	0.0670	J	0.0572	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/15/2022 17:00	<a href="#">WG1829324</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	03/15/2022 17:00	WG1829324
1,3-Dichloropropane	U		0.0700	0.200	1	03/15/2022 17:00	WG1829324
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/15/2022 17:00	WG1829324
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/15/2022 17:00	WG1829324
2,2-Dichloropropane	U		0.0317	0.100	1	03/15/2022 17:00	WG1829324
Di-isopropyl ether	U		0.0140	0.0400	1	03/15/2022 17:00	WG1829324
Ethylbenzene	U		0.0212	0.100	1	03/15/2022 17:00	WG1829324
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/15/2022 17:00	WG1829324
Isopropylbenzene	U		0.0345	0.100	1	03/15/2022 17:00	WG1829324
p-Isopropyltoluene	U		0.0932	0.200	1	03/15/2022 17:00	WG1829324
2-Butanone (MEK)	U		0.500	1.00	1	03/15/2022 17:00	WG1829324
Methylene Chloride	U		0.265	1.00	1	03/15/2022 17:00	WG1829324
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/15/2022 17:00	WG1829324
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/15/2022 17:00	WG1829324
Naphthalene	U		0.124	0.500	1	03/15/2022 17:00	WG1829324
n-Propylbenzene	U		0.0472	0.200	1	03/15/2022 17:00	WG1829324
Styrene	U		0.109	0.500	1	03/15/2022 17:00	WG1829324
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/15/2022 17:00	WG1829324
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/15/2022 17:00	WG1829324
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/15/2022 17:00	WG1829324
Tetrachloroethene	U		0.0280	0.100	1	03/15/2022 17:00	WG1829324
Toluene	0.116	U UJ	0.0500	0.200	1	03/15/2022 17:00	WG1829324
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/15/2022 17:00	WG1829324
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	03/15/2022 17:00	WG1829324
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/15/2022 17:00	WG1829324
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/15/2022 17:00	WG1829324
Trichloroethene	U		0.0160	0.0400	1	03/15/2022 17:00	WG1829324
Trichlorofluoromethane	U		0.0200	0.100	1	03/15/2022 17:00	WG1829324
1,2,3-Trichloropropane	U		0.204	0.500	1	03/15/2022 17:00	WG1829324
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/15/2022 17:00	WG1829324
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/15/2022 17:00	WG1829324
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/15/2022 17:00	WG1829324
Vinyl chloride	74.3		0.0273	0.100	1	03/15/2022 17:00	WG1829324
Xylenes, Total	U		0.191	0.260	1	03/15/2022 17:00	WG1829324
Ethyl Ether	U		0.0170	0.100	1	03/15/2022 17:00	WG1829324
Tetrahydrofuran	U		0.0900	0.500	1	03/15/2022 17:00	WG1829324
Iodomethane	U		0.242	0.500	1	03/15/2022 17:00	WG1829324
Allyl chloride	U		0.580	1.00	1	03/15/2022 17:00	WG1829324
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	03/15/2022 17:00	WG1829324
(S) Toluene-d8	103			75.0-131		03/15/2022 17:00	WG1829324
(S) 4-Bromofluorobenzene	101			67.0-138		03/15/2022 17:00	WG1829324
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/15/2022 17:00	WG1829324

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2310	J	594	5000	1	03/12/2022 14:11	<a href="#">WG1831365</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1530	B	102	1000	1	03/15/2022 19:20	<a href="#">WG1832362</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4410		28.1	100	1	03/16/2022 12:45	<a href="#">WG1832281</a>
Manganese	249		0.704	5.00	1	03/16/2022 12:45	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	49.0		0.287	0.678	1	03/16/2022 12:06	<a href="#">WG1833106</a>
Ethane	U		0.296	1.29	1	03/16/2022 12:06	<a href="#">WG1833106</a>
Ethene	U		0.422	1.27	1	03/16/2022 12:06	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.79	U	<del>C5 J4</del>	0.548	1.00	03/11/2022 20:57	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Carbon tetrachloride	U		<del>J4</del>	0.0432	0.200	03/11/2022 20:57	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 20:57	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 20:57	<a href="#">WG1831136</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 20:57	<a href="#">WG1831136</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 20:57	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 20:57	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 20:57	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 20:57	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 20:57	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 20:57	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 20:57	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 20:57	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 20:57	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 20:57	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 20:57	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 20:57	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 20:57	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 20:57	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 20:57	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 20:57	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 20:57	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 20:57	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 20:57	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 20:57	WG1831136
Tetrachloroethene	U	J4	0.0280	0.100	1	03/11/2022 20:57	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 20:57	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 20:57	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 20:57	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 20:57	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 20:57	WG1831136
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 20:57	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 20:57	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 20:57	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 20:57	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 20:57	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 20:57	WG1831136
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 20:57	WG1831136
Xylenes, Total	U		0.191	0.260	1	03/11/2022 20:57	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 20:57	WG1831136
Tetrahydrofuran	U		0.0900	0.500	1	03/11/2022 20:57	WG1831136
Iodomethane	U		0.242	0.500	1	03/11/2022 20:57	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 20:57	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 20:57	WG1831136
(S) Toluene-d8	110			75.0-131		03/11/2022 20:57	WG1831136
(S) 4-Bromofluorobenzene	102			67.0-138		03/11/2022 20:57	WG1831136
(S) 1,2-Dichloroethane-d4	103			70.0-130		03/11/2022 20:57	WG1831136

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.04	U <del>C5 J4</del>	0.548	1.00	1	03/11/2022 21:16	WG1831136
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 21:16	WG1831136
Benzene	U		0.0160	0.0400	1	03/11/2022 21:16	WG1831136
Bromobenzene	U		0.0420	0.500	1	03/11/2022 21:16	WG1831136
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 21:16	WG1831136
Bromoform	U		0.239	1.00	1	03/11/2022 21:16	WG1831136
Bromomethane	U		0.148	0.500	1	03/11/2022 21:16	WG1831136
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 21:16	WG1831136
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 21:16	WG1831136
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 21:16	WG1831136
Carbon tetrachloride	U	<del>J4</del>	0.0432	0.200	1	03/11/2022 21:16	WG1831136
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 21:16	WG1831136
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 21:16	WG1831136
Chloroethane	U		0.0432	0.200	1	03/11/2022 21:16	WG1831136
Chloroform	0.0620	U <del>J</del>	0.0166	0.100	1	03/11/2022 21:16	WG1831136
Chloromethane	U		0.0556	0.500	1	03/11/2022 21:16	WG1831136
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 21:16	WG1831136
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 21:16	WG1831136
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 21:16	WG1831136
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 21:16	WG1831136
Dibromomethane	U		0.0400	0.200	1	03/11/2022 21:16	WG1831136
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 21:16	WG1831136
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 21:16	WG1831136
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 21:16	WG1831136
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 21:16	WG1831136
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 21:16	WG1831136
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 21:16	WG1831136
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 21:16	WG1831136
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 21:16	WG1831136
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 21:16	WG1831136
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 21:16	WG1831136
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 21:16	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 21:16	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 21:16	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 21:16	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 21:16	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 21:16	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 21:16	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 21:16	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 21:16	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 21:16	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 21:16	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 21:16	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 21:16	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 21:16	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 21:16	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 21:16	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 21:16	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 21:16	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 21:16	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 21:16	WG1831136
Tetrachloroethene	0.0750	J <del>J J4</del>	0.0280	0.100	1	03/11/2022 21:16	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 21:16	WG1831136
1,2,3-Trichlorobenzene	U	UJ <del>C4</del>	0.0250	0.500	1	03/11/2022 21:16	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 21:16	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 21:16	WG1831136

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 3/29/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 21:16	<a href="#">WG1831136</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 21:16	<a href="#">WG1831136</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 21:16	<a href="#">WG1831136</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 21:16	<a href="#">WG1831136</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Xylenes, Total	U		0.191	0.260	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Tetrahydrofuran	68.9		0.0900	0.500	1	03/17/2022 01:19	<a href="#">WG1833553</a>
Iodomethane	U		0.242	0.500	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Allyl chloride	U		0.580	1.00	1	03/11/2022 21:16	<a href="#">WG1831136</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 21:16	<a href="#">WG1831136</a>
(S) Toluene-d8	109			75.0-131		03/11/2022 21:16	<a href="#">WG1831136</a>
(S) Toluene-d8	101			75.0-131		03/17/2022 01:19	<a href="#">WG1833553</a>
(S) 4-Bromofluorobenzene	102			67.0-138		03/11/2022 21:16	<a href="#">WG1831136</a>
(S) 4-Bromofluorobenzene	101			67.0-138		03/17/2022 01:19	<a href="#">WG1833553</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		03/11/2022 21:16	<a href="#">WG1831136</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/17/2022 01:19	<a href="#">WG1833553</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2240	J	594	5000	1	03/12/2022 15:50	<a href="#">WG1831365</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1570	B	102	1000	1	03/15/2022 20:14	<a href="#">WG1832362</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4290		28.1	100	1	03/16/2022 12:48	<a href="#">WG1832281</a>
Manganese	240		0.704	5.00	1	03/16/2022 12:48	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	51.2		0.287	0.678	1	03/16/2022 12:08	<a href="#">WG1833106</a>
Ethane	U		0.296	1.29	1	03/16/2022 12:08	<a href="#">WG1833106</a>
Ethene	U		0.422	1.27	1	03/16/2022 12:08	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.21	U	0.548	1.00	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Carbon tetrachloride	U		0.0432	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 21:35	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 21:35	<a href="#">WG1831136</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 21:35	<a href="#">WG1831136</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 3/29/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 21:35	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 21:35	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 21:35	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 21:35	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 21:35	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 21:35	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 21:35	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 21:35	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 21:35	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 21:35	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 21:35	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 21:35	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 21:35	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 21:35	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 21:35	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 21:35	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 21:35	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 21:35	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 21:35	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 21:35	WG1831136
Tetrachloroethene	U	<del>J4</del>	0.0280	0.100	1	03/11/2022 21:35	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 21:35	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 21:35	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 21:35	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 21:35	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 21:35	WG1831136
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 21:35	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 21:35	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 21:35	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 21:35	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 21:35	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 21:35	WG1831136
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 21:35	WG1831136
Xylenes, Total	U		0.191	0.260	1	03/11/2022 21:35	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 21:35	WG1831136
Tetrahydrofuran	U		0.0900	0.500	1	03/11/2022 21:35	WG1831136
Iodomethane	U		0.242	0.500	1	03/11/2022 21:35	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 21:35	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 21:35	WG1831136
(S) Toluene-d8	108			75.0-131		03/11/2022 21:35	WG1831136
(S) 4-Bromofluorobenzene	101			67.0-138		03/11/2022 21:35	WG1831136
(S) 1,2-Dichloroethane-d4	105			70.0-130		03/11/2022 21:35	WG1831136

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.71	<del>C5</del> J4	0.548	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Carbon tetrachloride	U	<del>J4</del>	0.0432	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Di-isopropyl ether	0.0470		0.0140	0.0400	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Methylene Chloride	U		0.265	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Naphthalene	U		0.124	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Styrene	U		0.109	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Tetrachloroethene	U	<del>J4</del>	0.0280	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Toluene	U		0.0500	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2,3-Trichlorobenzene	U	UJ	<del>C4</del>	0.0250	0.500	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/29/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Xylenes, Total	U		0.191	0.260	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Ethyl Ether	0.364		0.0170	0.100	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Tetrahydrofuran	U		0.0900	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Iodomethane	U		0.242	0.500	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Allyl chloride	U		0.580	1.00	1	03/11/2022 21:54	<a href="#">WG1831136</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 21:54	<a href="#">WG1831136</a>
(S) Toluene-d8	109			75.0-131		03/11/2022 21:54	<a href="#">WG1831136</a>
(S) 4-Bromofluorobenzene	100			67.0-138		03/11/2022 21:54	<a href="#">WG1831136</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		03/11/2022 21:54	<a href="#">WG1831136</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	8980		594	5000	1	03/12/2022 16:06	<a href="#">WG1831365</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	5680	<del>B</del>	102	1000	1	03/15/2022 21:18	<a href="#">WG1832362</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	3750		28.1	100	1	03/16/2022 12:52	<a href="#">WG1832281</a>
Manganese	745		0.704	5.00	1	03/16/2022 12:52	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	994		0.287	0.678	1	03/16/2022 12:11	<a href="#">WG1833106</a>
Ethane	U		0.296	1.29	1	03/16/2022 12:11	<a href="#">WG1833106</a>
Ethene	U		0.422	1.27	1	03/16/2022 12:11	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	3.25	U	<del>C5 J4</del>	0.548	1.00	1	03/11/2022 22:13	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Benzene	U		0.0160	0.0400	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Bromobenzene	U		0.0420	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Bromoform	U		0.239	1.00	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Bromomethane	U		0.148	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Carbon tetrachloride	U		<del>J4</del>	0.0432	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Chloroethane	U		0.0432	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Chloroform	U		0.0166	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Chloromethane	U		0.0556	0.500	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Dibromomethane	U		0.0400	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 22:13	<a href="#">WG1831136</a>	

JC 3/29/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 22:13	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 22:13	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 22:13	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 22:13	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 22:13	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 22:13	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 22:13	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 22:13	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 22:13	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 22:13	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 22:13	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 22:13	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 22:13	WG1831136
Methyl tert-butyl ether	0.0170	J	0.0118	0.0400	1	03/11/2022 22:13	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 22:13	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 22:13	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 22:13	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 22:13	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 22:13	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 22:13	WG1831136
Tetrachloroethene	U	J4	0.0280	0.100	1	03/11/2022 22:13	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 22:13	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 22:13	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 22:13	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 22:13	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 22:13	WG1831136
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 22:13	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 22:13	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 22:13	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 22:13	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 22:13	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 22:13	WG1831136
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 22:13	WG1831136
Xylenes, Total	U		0.191	0.260	1	03/11/2022 22:13	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 22:13	WG1831136
Tetrahydrofuran	U		0.0900	0.500	1	03/11/2022 22:13	WG1831136
Iodomethane	U		0.242	0.500	1	03/11/2022 22:13	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 22:13	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 22:13	WG1831136
(S) Toluene-d8	110			75.0-131		03/11/2022 22:13	WG1831136
(S) 4-Bromofluorobenzene	102			67.0-138		03/11/2022 22:13	WG1831136
(S) 1,2-Dichloroethane-d4	104			70.0-130		03/11/2022 22:13	WG1831136

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	18300		594	5000	1	03/15/2022 02:30	<a href="#">WG1832225</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3580		102	1000	1	03/15/2022 19:52	<a href="#">WG1832860</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20700		28.1	100	1	03/16/2022 13:30	<a href="#">WG1832281</a>
Manganese	1810		0.704	5.00	1	03/16/2022 13:30	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24500		2.87	6.78	10	03/17/2022 12:09	<a href="#">WG1833564</a>
Ethane	U		0.296	1.29	1	03/16/2022 12:14	<a href="#">WG1833106</a>
Ethene	U		0.422	1.27	1	03/16/2022 12:14	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.33	U	<del>C5 J4</del> 0.548	1.00	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Carbon tetrachloride	U		<del>J4</del> 0.0432	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 22:32	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	0.377		0.0276	0.100	1	03/11/2022 22:32	<a href="#">WG1831136</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 22:32	<a href="#">WG1831136</a>

JC 3/29/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 22:32	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 22:32	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 22:32	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 22:32	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 22:32	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 22:32	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 22:32	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 22:32	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 22:32	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 22:32	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 22:32	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 22:32	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 22:32	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 22:32	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 22:32	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 22:32	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 22:32	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 22:32	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 22:32	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 22:32	WG1831136
Tetrachloroethene	U	<del>J4</del>	0.0280	0.100	1	03/11/2022 22:32	WG1831136
Toluene	0.0880	<del>J</del>	0.0500	0.200	1	03/11/2022 22:32	WG1831136
1,2,3-Trichlorobenzene	U	UJ <u>C4</u>	0.0250	0.500	1	03/11/2022 22:32	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 22:32	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 22:32	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 22:32	WG1831136
Trichloroethene	0.103	J+ <u>C5</u>	0.0160	0.0400	1	03/11/2022 22:32	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 22:32	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 22:32	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 22:32	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 22:32	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 22:32	WG1831136
Vinyl chloride	3.22	J+ <u>C5</u>	0.0273	0.100	1	03/11/2022 22:32	WG1831136
Xylenes, Total	U		0.191	0.260	1	03/11/2022 22:32	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 22:32	WG1831136
Tetrahydrofuran	5.54		0.0900	0.500	1	03/17/2022 01:38	WG1833553
Iodomethane	U		0.242	0.500	1	03/11/2022 22:32	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 22:32	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 22:32	WG1831136
(S) Toluene-d8	108			75.0-131		03/11/2022 22:32	WG1831136
(S) Toluene-d8	99.6			75.0-131		03/17/2022 01:38	WG1833553
(S) 4-Bromofluorobenzene	98.6			67.0-138		03/11/2022 22:32	WG1831136
(S) 4-Bromofluorobenzene	98.7			67.0-138		03/17/2022 01:38	WG1833553
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/11/2022 22:32	WG1831136
(S) 1,2-Dichloroethane-d4	110			70.0-130		03/17/2022 01:38	WG1833553

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	27200		594	5000	1	03/13/2022 11:50	<a href="#">WG1831541</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1860	<u>B</u>	102	1000	1	03/15/2022 20:54	<a href="#">WG1832860</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1070		28.1	100	1	03/16/2022 13:34	<a href="#">WG1832281</a>
Manganese	314		0.704	5.00	1	03/16/2022 13:34	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3080		0.287	0.678	1	03/16/2022 12:16	<a href="#">WG1833106</a>
Ethane	1.45		0.296	1.29	1	03/16/2022 12:16	<a href="#">WG1833106</a>
Ethene	0.602	<u>J</u>	0.422	1.27	1	03/16/2022 12:16	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Carbon tetrachloride	U	<u>J4</u>	0.0432	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 22:51	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/11/2022 22:51	<a href="#">WG1831136</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 22:51	<a href="#">WG1831136</a>

JC 3/29/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 22:51	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 22:51	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 22:51	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 22:51	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 22:51	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 22:51	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 22:51	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 22:51	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 22:51	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 22:51	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 22:51	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 22:51	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 22:51	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 22:51	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 22:51	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 22:51	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 22:51	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 22:51	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 22:51	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 22:51	WG1831136
Tetrachloroethene	U	<del>J4</del>	0.0280	0.100	1	03/11/2022 22:51	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 22:51	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 22:51	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 22:51	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 22:51	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 22:51	WG1831136
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 22:51	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 22:51	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 22:51	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 22:51	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 22:51	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 22:51	WG1831136
Vinyl chloride	U		0.0273	0.100	1	03/11/2022 22:51	WG1831136
Xylenes, Total	U		0.191	0.260	1	03/11/2022 22:51	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 22:51	WG1831136
Tetrahydrofuran	0.764		0.0900	0.500	1	03/17/2022 01:57	WG1833553
Iodomethane	U		0.242	0.500	1	03/11/2022 22:51	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 22:51	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 22:51	WG1831136
(S) Toluene-d8	109			75.0-131		03/11/2022 22:51	WG1831136
(S) Toluene-d8	101			75.0-131		03/17/2022 01:57	WG1833553
(S) 4-Bromofluorobenzene	103			67.0-138		03/11/2022 22:51	WG1831136
(S) 4-Bromofluorobenzene	99.8			67.0-138		03/17/2022 01:57	WG1833553
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/11/2022 22:51	WG1831136
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/17/2022 01:57	WG1833553

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1790	J	594	5000	1	03/13/2022 12:55	<a href="#">WG1831541</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	39200		102	1000	1	03/15/2022 21:20	<a href="#">WG1832860</a>

Metals (ICPMS) by Method 6020B

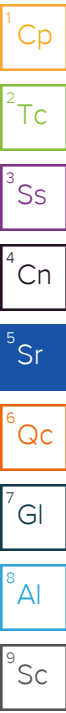
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	30900		28.1	100	1	03/16/2022 13:37	<a href="#">WG1832281</a>
Manganese	5100		0.704	5.00	1	03/16/2022 13:37	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23000		2.87	6.78	10	03/17/2022 12:15	<a href="#">WG1833564</a>
Ethane	197		0.296	1.29	1	03/16/2022 12:20	<a href="#">WG1833106</a>
Ethene	284		0.422	1.27	1	03/16/2022 12:20	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	0.548	1.00	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Benzene	0.142		0.0160	0.0400	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 23:10	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,1-Dichloroethene	1.33		0.0200	0.100	1	03/11/2022 23:10	<a href="#">WG1831136</a>
cis-1,2-Dichloroethene	815		2.76	10.0	100	03/17/2022 03:13	<a href="#">WG1833553</a>
trans-1,2-Dichloroethene	8.54		0.0572	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 23:10	<a href="#">WG1831136</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 23:10	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 23:10	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 23:10	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 23:10	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 23:10	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 23:10	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 23:10	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 23:10	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 23:10	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 23:10	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 23:10	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 23:10	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 23:10	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 23:10	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 23:10	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 23:10	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 23:10	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 23:10	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 23:10	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 23:10	WG1831136
Tetrachloroethene	U	J4	0.0280	0.100	1	03/11/2022 23:10	WG1831136
Toluene	0.268		0.0500	0.200	1	03/11/2022 23:10	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 23:10	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 23:10	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 23:10	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 23:10	WG1831136
Trichloroethene	0.146	J+ C5	0.0160	0.0400	1	03/11/2022 23:10	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 23:10	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 23:10	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 23:10	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 23:10	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 23:10	WG1831136
Vinyl chloride	1240		2.73	10.0	100	03/17/2022 03:13	WG1833553
Xylenes, Total	U		0.191	0.260	1	03/11/2022 23:10	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 23:10	WG1831136
Tetrahydrofuran	U		9.00	50.0	100	03/17/2022 03:13	WG1833553
Iodomethane	U		0.242	0.500	1	03/11/2022 23:10	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 23:10	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 23:10	WG1831136
(S) Toluene-d8	108			75.0-131		03/11/2022 23:10	WG1831136
(S) Toluene-d8	100			75.0-131		03/17/2022 03:13	WG1833553
(S) 4-Bromofluorobenzene	102			67.0-138		03/11/2022 23:10	WG1831136
(S) 4-Bromofluorobenzene	97.5			67.0-138		03/17/2022 03:13	WG1833553
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/11/2022 23:10	WG1831136
(S) 1,2-Dichloroethane-d4	109			70.0-130		03/17/2022 03:13	WG1833553

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1220	J	594	5000	1	03/13/2022 13:27	<a href="#">WG1831541</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7700		102	1000	1	03/15/2022 22:47	<a href="#">WG1832860</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7810		28.1	100	1	03/16/2022 13:44	<a href="#">WG1832281</a>
Manganese	3310		0.704	5.00	1	03/16/2022 13:44	<a href="#">WG1832281</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	48.0	U	31.6	100	1	03/16/2022 14:57	<a href="#">WG1833019</a>
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		03/16/2022 14:57	<a href="#">WG1833019</a>

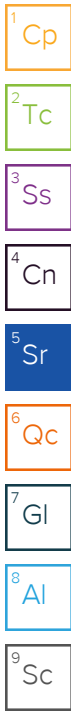
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1180		0.287	0.678	1	03/16/2022 12:30	<a href="#">WG1833106</a>
Ethane	1.25	J	0.296	1.29	1	03/16/2022 12:30	<a href="#">WG1833106</a>
Ethene	U		0.422	1.27	1	03/16/2022 12:30	<a href="#">WG1833106</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.548	1.00	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Acrylonitrile	U		0.0760	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Benzene	U		0.0160	0.0400	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Bromobenzene	U		0.0420	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Bromodichloromethane	U		0.0315	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Bromoform	U		0.239	1.00	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Bromomethane	U		0.148	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
n-Butylbenzene	U		0.153	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
sec-Butylbenzene	U		0.101	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
tert-Butylbenzene	U		0.0620	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Carbon tetrachloride	U	J4	0.0432	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Chlorobenzene	U		0.0229	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Chlorodibromomethane	U		0.0180	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Chloroethane	U		0.0432	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Chloroform	U		0.0166	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Chloromethane	U		0.0556	0.500	1	03/11/2022 23:29	<a href="#">WG1831136</a>
2-Chlorotoluene	U		0.0368	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
4-Chlorotoluene	U		0.0452	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	03/11/2022 23:29	<a href="#">WG1831136</a>
1,2-Dibromoethane	U		0.0210	0.100	1	03/11/2022 23:29	<a href="#">WG1831136</a>
Dibromomethane	U		0.0400	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	03/11/2022 23:29	<a href="#">WG1831136</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	03/11/2022 23:29	WG1831136
Dichlorodifluoromethane	U		0.0327	0.100	1	03/11/2022 23:29	WG1831136
1,1-Dichloroethane	U		0.0230	0.100	1	03/11/2022 23:29	WG1831136
1,2-Dichloroethane	U		0.0190	0.100	1	03/11/2022 23:29	WG1831136
1,1-Dichloroethene	U		0.0200	0.100	1	03/11/2022 23:29	WG1831136
cis-1,2-Dichloroethene	U		0.0276	0.100	1	03/17/2022 02:16	WG1833553
trans-1,2-Dichloroethene	U		0.0572	0.200	1	03/11/2022 23:29	WG1831136
1,2-Dichloropropane	U		0.0508	0.200	1	03/11/2022 23:29	WG1831136
1,1-Dichloropropene	U		0.0280	0.100	1	03/11/2022 23:29	WG1831136
1,3-Dichloropropane	U		0.0700	0.200	1	03/11/2022 23:29	WG1831136
cis-1,3-Dichloropropene	U		0.0271	0.100	1	03/11/2022 23:29	WG1831136
trans-1,3-Dichloropropene	U		0.0612	0.200	1	03/11/2022 23:29	WG1831136
2,2-Dichloropropane	U		0.0317	0.100	1	03/11/2022 23:29	WG1831136
Di-isopropyl ether	U		0.0140	0.0400	1	03/11/2022 23:29	WG1831136
Ethylbenzene	U		0.0212	0.100	1	03/11/2022 23:29	WG1831136
Hexachloro-1,3-butadiene	U		0.508	1.00	1	03/11/2022 23:29	WG1831136
Isopropylbenzene	U		0.0345	0.100	1	03/11/2022 23:29	WG1831136
p-Isopropyltoluene	U		0.0932	0.200	1	03/11/2022 23:29	WG1831136
2-Butanone (MEK)	U		0.500	1.00	1	03/11/2022 23:29	WG1831136
Methylene Chloride	U		0.265	1.00	1	03/11/2022 23:29	WG1831136
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	03/11/2022 23:29	WG1831136
Methyl tert-butyl ether	U		0.0118	0.0400	1	03/11/2022 23:29	WG1831136
Naphthalene	U		0.124	0.500	1	03/11/2022 23:29	WG1831136
n-Propylbenzene	U		0.0472	0.200	1	03/11/2022 23:29	WG1831136
Styrene	U		0.109	0.500	1	03/11/2022 23:29	WG1831136
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	03/11/2022 23:29	WG1831136
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	03/11/2022 23:29	WG1831136
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	03/11/2022 23:29	WG1831136
Tetrachloroethene	U	<del>J4</del>	0.0280	0.100	1	03/11/2022 23:29	WG1831136
Toluene	U		0.0500	0.200	1	03/11/2022 23:29	WG1831136
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	03/11/2022 23:29	WG1831136
1,2,4-Trichlorobenzene	U		0.193	0.500	1	03/11/2022 23:29	WG1831136
1,1,1-Trichloroethane	U		0.0110	0.100	1	03/11/2022 23:29	WG1831136
1,1,2-Trichloroethane	U		0.0353	0.100	1	03/11/2022 23:29	WG1831136
Trichloroethene	U		0.0160	0.0400	1	03/11/2022 23:29	WG1831136
Trichlorofluoromethane	U		0.0200	0.100	1	03/11/2022 23:29	WG1831136
1,2,3-Trichloropropane	U		0.204	0.500	1	03/11/2022 23:29	WG1831136
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	03/11/2022 23:29	WG1831136
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	03/11/2022 23:29	WG1831136
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	03/11/2022 23:29	WG1831136
Vinyl chloride	U		0.0273	0.100	1	03/17/2022 02:16	WG1833553
Xylenes, Total	U		0.191	0.260	1	03/11/2022 23:29	WG1831136
Ethyl Ether	U		0.0170	0.100	1	03/11/2022 23:29	WG1831136
Tetrahydrofuran	U		0.0900	0.500	1	03/11/2022 23:29	WG1831136
Iodomethane	U		0.242	0.500	1	03/11/2022 23:29	WG1831136
Allyl chloride	U		0.580	1.00	1	03/11/2022 23:29	WG1831136
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	03/11/2022 23:29	WG1831136
(S) Toluene-d8	108			75.0-131		03/11/2022 23:29	WG1831136
(S) Toluene-d8	102			75.0-131		03/17/2022 02:16	WG1833553
(S) 4-Bromofluorobenzene	101			67.0-138		03/11/2022 23:29	WG1831136
(S) 4-Bromofluorobenzene	97.1			67.0-138		03/17/2022 02:16	WG1833553
(S) 1,2-Dichloroethane-d4	107			70.0-130		03/11/2022 23:29	WG1831136
(S) 1,2-Dichloroethane-d4	112			70.0-130		03/17/2022 02:16	WG1833553

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

## MEMORANDUM

**TO:** Project File **DATE:** July 21, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 43022.1413001.10.701.04

**TASK:** EIM Data Validation Level EPA2A for 2nd Quarter Monitoring 2022 – Groundwater Samples – Group 1

**LAB:** Pace Sample Delivery Groups (SDGs): L1490043, L1491192, L1492458, L1492498, and L1493992

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Forty-nine (49) groundwater samples including two field duplicates, and one trip blank were collected as part of the 2<sup>nd</sup> Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May 2-6 and 9-12, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 1 analytical results are reported in five SDGs. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1490043: Chain of custody samples MW-153-050222 (time of collection at 13:25) and MW-154-050222 (time of collection at 16:50) appear to have been transposed. Pace shows the first sample (L1490043-01) as MW-154-050222 (time of collection at 12:35) and the second sample (L1490043-02) as MW-153-050222 (time of collection at 1650). Pace was contacted and indicated that the labels were switched during the log-in process. The report for SDG L1490043 was regenerated and includes a case narrative statement as follows:
  - “Sample IDs "MW-153-050222" and "MW-154-050222" were inadvertently mislabeled/switched during the logging process. COC will not match report for -01 and -02. The PDF report is correct as is.”
- SDG L1461192: Sample MW-340-050422 (time of collection is 1510) was incorrectly recorded as sample MW-341-050422. Field staff noted the discrepancy, confirmed sample details with field notes, and contacted Pace on 5/9/2022 to revise the sample identification to read **MW-340-050422**. Pace did not include communications or a copy of the modified chain of custody with the laboratory report.
- SDG L1492458: Samples MW-181-051022, MW-183-051022, and MW-184-051022 were received by the lab but were not included on the associated chain of custody. These sample identifications and sample details were added to a copy of the chain of custody. Chain of custody nonconformance receipt notes indicate to analyze for nitrates immediately however nitrates were not requested on samples submitted with this SDG.
- SDG L1492498: Nonconformance notes indicate that samples submitted for nitrate were missed during triage (day of receipt), were logged in, and analyzed past holding time. For additional details refer to SDG L1492498 under Holding Time for further details.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

*USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

*NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

*USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), nitrate (48 hours), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met with the following exceptions:

- SDG L1492498: Sample and field duplicate were analyzed for nitrate outside of the recommended holding time. **Sample MW-301-051022 and field duplicate sample MW-968-051022 were analyzed 5 days past holding time, nitrate results are estimated, and may be biased low (J-).**

### **Initial and Continuing Calibration**

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.



**Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C5” to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1490043 – Analytical batch WG1860013: Acetone and tetrahydrofuran are detected in the method blank at low levels above the RDL. **Associated acetone detections in two samples (MW-154-050222 and MW-153-050222) are qualified as not detected (U) due to method blank contamination.** Acetone was also detected in samples MW-146-050322 and MW-147-050322. These acetone results are laboratory qualified (B and C3) to indicate both potential contamination and a low CCV. **Acetone results for samples MW-146-050322 and MW-147-050322 are estimated (J) without bias.** No action is needed for tetrahydrofuran since it is not detected in the associated samples.
- SDG L1461192 – Analytical batch WG1860918: Acetone and 1,2,3-trichlorobenzene are detected in the method blank at low levels (above and below the RDL). **The associated acetone detection in one sample (MW-340-050422) is qualified as not detected (U) due to method blank contamination.** No action is needed for 1,2,3-trichlorobenzene since it is not detected in the associated samples.

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

#### *USEPA Method 6020B and General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1490043	WG1862417	9060A	TOC	492	J	1000	µg/L	NO
L1491192	WG1868265	9060A	TOC	500	J	1000	µg/L	NO
L1492458	WG1870724	9056A	TOC	415	J	1000	µg/L	NO
L1492498	WG1862761	300.0	Nitrate	61.8	J	100	µg/L	NO
L1492498	WG1870724	9056A	TOC	415	J	1000	µg/L	NO
L1493992	WG1874176	9056A	TOC	447	J	1000	µg/L	NO
L1493992	WG1874176	6020B	Manganese	0.965	J	5.00	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

### **Trip Blank Results**

*USEPA Method 8260D:*

One trip blank (TB-050622) was collected and analyzed for VOCs. The target analytes were not detected in the trip blank at or above the RDLs.

### **Field, Rinsate, or Equipment Blank Results**

A rinsate was not collected and submitted with SDGs associated with Group 1.

### **Field Duplicate Analyses**

Field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1492498: Samples MW-301-051022 and MW-968-051022
- SDG L1492498: Samples MW-178-051022 and MW-969-051022

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pairs with the following exceptions:

- SDG L1492498: Methane and acetone RPD exceed criteria for field duplicate pair MW-178-051022 and MW-969-051022. **Field duplicate methane and acetone results for samples MW-178-051022 and MW-969-051022 are estimated and qualified (J).**

### **Laboratory Duplicate Analyses**

*USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

*NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to batch QC matrix spike results associated with SDG L1492498 for precision data.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

*USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

**Surrogate Recoveries**

*USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

*NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the blanks are within the laboratory surrogate control limits.

**Laboratory Control Samples**

*USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1490043 - Analytical batch WG1860013: LCS % recoveries for compounds 1,2-dibromo-3-chloropropane and 1,2,3-trichlorobenzene are recovered low and laboratory qualified (J4). **All associated sample results for 1,2-dibromo-3-chloropropane and 1,2,3-trichlorobenzene are qualified (UJ/J).**
- SDG L1461192 - Analytical batch WG1860918: LCS % recoveries for acetone and 4-methyl-2-pentanone (MIBK) are recovered high and laboratory qualified (J4). **Associated sample MW-340-050422 acetone result is non-detect (U) due to blank contamination and supersedes the remaining laboratory qualifiers (C5 and J4).** MIBK was not detected in the associated samples and no action was required.
- SDG L1461192 - Analytical batch WG1862853: LCS/LCSD % recoveries for acetone, MIBK, and tetrahydrofuran are above criteria and laboratory qualified (J4). LCS/LCSD RPD recoveries for 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene are above laboratory criteria and are laboratory qualified (J3). No action is taken for the

elevated RPDs since recoveries are acceptable. **Associated sample acetone results (MW119-050522 and MW106-050622) are estimated and qualified (J+) due to elevated LCS/LCSD recovery.**

- SDG L1492458 - Analytical batch WG1862853: LCS/LCSD % recoveries for acetone, 4-methyl-2-pentanone (MIBK), and tetrahydrofuran are above criteria and laboratory qualified (J4). LCS/LCSD RPD recoveries for 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene are above laboratory criteria and are laboratory qualified (J3). No action is taken for the elevated RPDs since recoveries are acceptable. **Associated acetone detections in six samples (MW103-050922, MW109-050922, MW-312-050922, MW-311-050922, FMW-141-050922, and MW102-051022) are qualified as estimated (J+).**
- SDG L1492458 - Analytical batch WG1864608: LCS/LCSD % recoveries for 2,2-dichloropropane and 1,1,1-trichloroethane are above criteria and laboratory qualified (J4). LCS % recovery for 1,2,3-trichlorobenzene is below criteria and laboratory qualified (J4). No action is needed for 2,2-dichloropropane and 1,1,1-trichloroethane as these compounds were not detected in the associated samples. No action is needed for 1,2,3-trichlorobenzene since it is already qualified due to a calibration issue.
- SDG L1492498 - Analytical batch WG1862853: LCS/LCSD % recoveries for acetone, 4-methyl-2-pentanone (MIBK), and tetrahydrofuran are above criteria and laboratory qualified (J4). LCS/LCSD RPD recoveries for 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene are above laboratory criteria and are laboratory qualified (J3). No action is taken for the elevated RPDs since associated LCS/LCSD recoveries are within criteria. **Associated acetone detections in samples MW-315-050922, MW-969-051022, and MW-178-051022 are qualified as estimated (J+).**
- SDG L1492498 - Analytical batch WG1864055: LCS/LCSD % recoveries for 2,2-dichloropropane, 1,1,1-trichloroethane, and tetrahydrofuran are above criteria and laboratory qualified (J4). LCS/LCSD RPD recoveries for 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene are above laboratory criteria and are laboratory qualified (J3). No action is needed for elevated LCS/LCSD recoveries since associated targets are not detected in the samples. No action is needed for high RPDs since the target LCS/LCSD recoveries are within criteria.
- SDG L1493992 - Analytical batch WG1868254: LCS % recoveries for acetone and chloromethane are above criteria and laboratory qualified (J4). **Associated samples (MW-144R-051122, R-MW6-051122, MW-159-051122, and MW107-051122) acetone detections are estimated (J+).** No action is needed for chloromethane since it is not detected in the associated samples.
- SDG L1493992 – Analytical batch WG1868350: Bromoform LCS recovery and trans-1,4-dichloro-2-butene LCS/LCSD recoveries are below laboratory criteria and in both cases are laboratory qualified (J4). No action is taken for bromoform since LCSD recovery and RPD are within criteria. Trans-1,4-dichloro-2-butene RPD is outside criteria

and laboratory qualified (J3). **Associated sample (MW-172-051222 and MW-170-051222) trans-1,4-dichloro-2-butene results are estimated and qualified (UJ).**

*NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %Rs for gasoline are within the laboratory control criteria. For precision data refer to matrix spike results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were performed on a non-client sample within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1493992 – Analytical batch WG1868254: MS/MSD recoveries for acetone, chloromethane, and 2-butanone (MEK) are above criteria due to matrix interference and laboratory qualified (J5). MSD recoveries for di-isopropyl ether and 4-methyl-2-pentanone (MIBK) are above laboratory acceptance criteria and qualified (J5) due to matrix interference. No action is needed since the spike was performed on a non-client sample.

*NWTPH-Gx Method:*

MS/MSD analyses was performed on a non-client sample associated with SDG L1492498. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water sample.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1493992: MS/MSDs were performed on a non-client sample within the analytical batch. MS/MSD % Rs for methane are above criteria. Since the spikes were performed on non-client samples no action is needed.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1491192: MS/MSD analyses was performed on sample MW-155-050522. Manganese MSD recovery exceeds laboratory acceptance criteria. No action is taken on this basis since the MS and RPD are within criteria however the result is also laboratory qualified (O1) to indicate that the associated serial dilution or post spike recovery did not meet laboratory acceptance criteria. **Manganese result for sample MW-155-050522 is estimated and qualified due to serial dilution and/or post spike recovery failure to meet acceptance criteria.**
- SDG L1492458: MS/MSD was performed on sample MW103-050922. Manganese MS/MSD recoveries are below criteria and laboratory qualified (V). No action is taken since sample MW103-050922 manganese concentration is greater than 4X the spike concentration.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1492498: MS/MSDs were performed on non-client samples and on sample MW-301-051022. Chloride and/or sulfate concentrations exceed the upper limit of the calibration range or there were matrix interferences. No action is taken since client sample MW-301-051022 spike recoveries are within criteria and remaining lab QC is acceptable.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.
- SDG L1493992: Sample R-MW6-051122 manganese result exceeds upper linear calibration range and laboratory qualified (E). **Sample R-MW6-051122 result for manganese is estimated and qualified (J).**

## **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

## **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	44700		594	5000	1	05/18/2022 02:39	<a href="#">WG1865341</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1850	<del>U</del>	102	1000	1	05/12/2022 03:31	<a href="#">WG1862417</a>

Metals (ICPMS) by Method 6020B

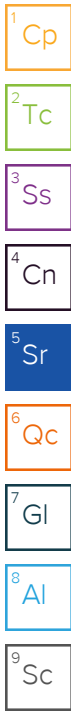
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	139		28.1	100	1	05/11/2022 00:15	<a href="#">WG1861242</a>
Manganese	11.8		0.704	5.00	1	05/11/2022 00:15	<a href="#">WG1861242</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	05/11/2022 09:46	<a href="#">WG1861160</a>
Ethane	U		0.296	1.29	1	05/11/2022 09:46	<a href="#">WG1861160</a>
Ethene	U		0.422	1.27	1	05/11/2022 09:46	<a href="#">WG1861160</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.02	U <del>U</del> <del>C3</del>	0.548	1.00	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Acrylonitrile	U	UJ <del>C3</del>	0.0760	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Benzene	U		0.0160	0.0400	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Bromobenzene	U		0.0420	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Bromoform	U	UJ <del>C3</del>	0.239	1.00	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Bromomethane	U		0.148	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Chlorodibromomethane	U	UJ <del>C3</del>	0.0180	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Chloroethane	U		0.0432	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Chloroform	0.0650	J	0.0166	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Chloromethane	U		0.0556	0.500	1	05/06/2022 17:42	<a href="#">WG1860013</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3</del> J4	0.204	1.00	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Dibromomethane	U		0.0400	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
cis-1,2-Dichloroethene	0.0640	J	0.0276	0.100	1	05/06/2022 17:42	<a href="#">WG1860013</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 17:42	<a href="#">WG1860013</a>



JC 7/6/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/06/2022 17:42	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 17:42	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 17:42	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 17:42	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 17:42	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 17:42	WG1860013
Ethylbenzene	0.182		0.0212	0.100	1	05/06/2022 17:42	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 17:42	WG1860013
Isopropylbenzene	0.0500	U	0.0345	0.100	1	05/06/2022 17:42	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 17:42	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 17:42	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 17:42	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 17:42	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 17:42	WG1860013
Naphthalene	0.624	J- C3	0.124	0.500	1	05/06/2022 17:42	WG1860013
n-Propylbenzene	0.157	U	0.0472	0.200	1	05/06/2022 17:42	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 17:42	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 17:42	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 17:42	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 17:42	WG1860013
Tetrachloroethene	3.13		0.0280	0.100	1	05/06/2022 17:42	WG1860013
Toluene	0.161	U	0.0500	0.200	1	05/06/2022 17:42	WG1860013
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/06/2022 17:42	WG1860013
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/06/2022 17:42	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 17:42	WG1860013
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 17:42	WG1860013
Trichloroethene	0.365		0.0160	0.0400	1	05/06/2022 17:42	WG1860013
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 17:42	WG1860013
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 17:42	WG1860013
1,2,4-Trimethylbenzene	0.417		0.0464	0.200	1	05/06/2022 17:42	WG1860013
1,2,3-Trimethylbenzene	0.185	U	0.0460	0.200	1	05/06/2022 17:42	WG1860013
1,3,5-Trimethylbenzene	0.0920	U	0.0432	0.200	1	05/06/2022 17:42	WG1860013
Vinyl chloride	U		0.0273	0.100	1	05/06/2022 17:42	WG1860013
Xylenes, Total	0.280		0.191	0.260	1	05/06/2022 17:42	WG1860013
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 17:42	WG1860013
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 17:42	WG1860013
Iodomethane	U		0.242	0.500	1	05/06/2022 17:42	WG1860013
Allyl chloride	U		0.580	1.00	1	05/06/2022 17:42	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 17:42	WG1860013
(S) Toluene-d8	98.9			75.0-131		05/06/2022 17:42	WG1860013
(S) 4-Bromofluorobenzene	98.1			67.0-138		05/06/2022 17:42	WG1860013
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/06/2022 17:42	WG1860013

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8500		594	5000	1	05/18/2022 04:14	<a href="#">WG1865341</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1390	<del>B</del>	102	1000	1	05/12/2022 03:44	<a href="#">WG1862417</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8800		140	500	5	05/11/2022 16:51	<a href="#">WG1861242</a>
Manganese	436		3.52	25.0	5	05/11/2022 16:51	<a href="#">WG1861242</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	173		0.287	0.678	1	05/11/2022 09:49	<a href="#">WG1861160</a>
Ethane	1.20	J	0.296	1.29	1	05/11/2022 09:49	<a href="#">WG1861160</a>
Ethene	9.40		0.422	1.27	1	05/11/2022 09:49	<a href="#">WG1861160</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.04	U <del>B-C3</del>	0.548	1.00	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Acrylonitrile	U	UJ <del>C3</del>	0.0760	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Benzene	U		0.0160	0.0400	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Bromobenzene	U		0.0420	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Bromoform	U	UJ <del>C3</del>	0.239	1.00	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Bromomethane	U		0.148	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Chlorodibromomethane	U	UJ <del>C3</del>	0.0180	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Chloroethane	U		0.0432	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Chloroform	U		0.0166	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Chloromethane	U		0.0556	0.500	1	05/06/2022 18:01	<a href="#">WG1860013</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3 J4</del>	0.204	1.00	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Dibromomethane	U		0.0400	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
cis-1,2-Dichloroethene	0.240		0.0276	0.100	1	05/06/2022 18:01	<a href="#">WG1860013</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 18:01	<a href="#">WG1860013</a>

JC 7/6/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/06/2022 18:01	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 18:01	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 18:01	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 18:01	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 18:01	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 18:01	WG1860013
Ethylbenzene	0.127		0.0212	0.100	1	05/06/2022 18:01	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 18:01	WG1860013
Isopropylbenzene	U		0.0345	0.100	1	05/06/2022 18:01	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 18:01	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 18:01	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 18:01	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 18:01	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 18:01	WG1860013
Naphthalene	U	UJ C3	0.124	0.500	1	05/06/2022 18:01	WG1860013
n-Propylbenzene	U		0.0472	0.200	1	05/06/2022 18:01	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 18:01	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 18:01	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 18:01	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 18:01	WG1860013
Tetrachloroethene	U		0.0280	0.100	1	05/06/2022 18:01	WG1860013
Toluene	0.503		0.0500	0.200	1	05/06/2022 18:01	WG1860013
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/06/2022 18:01	WG1860013
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/06/2022 18:01	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 18:01	WG1860013
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 18:01	WG1860013
Trichloroethene	U		0.0160	0.0400	1	05/06/2022 18:01	WG1860013
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 18:01	WG1860013
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 18:01	WG1860013
1,2,4-Trimethylbenzene	0.158	U	0.0464	0.200	1	05/06/2022 18:01	WG1860013
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/06/2022 18:01	WG1860013
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/06/2022 18:01	WG1860013
Vinyl chloride	1.10		0.0273	0.100	1	05/06/2022 18:01	WG1860013
Xylenes, Total	0.520		0.191	0.260	1	05/06/2022 18:01	WG1860013
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 18:01	WG1860013
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 18:01	WG1860013
Iodomethane	U		0.242	0.500	1	05/06/2022 18:01	WG1860013
Allyl chloride	U		0.580	1.00	1	05/06/2022 18:01	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 18:01	WG1860013
(S) Toluene-d8	97.9			75.0-131		05/06/2022 18:01	WG1860013
(S) 4-Bromofluorobenzene	99.3			67.0-138		05/06/2022 18:01	WG1860013
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/06/2022 18:01	WG1860013

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	15000		594	5000	1	05/18/2022 04:30	<a href="#">WG1865341</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3920	<del>B</del>	102	1000	1	05/12/2022 04:00	<a href="#">WG1862417</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5150		281	1000	10	05/11/2022 16:54	<a href="#">WG1861242</a>
Manganese	1410		7.04	50.0	10	05/11/2022 16:54	<a href="#">WG1861242</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11700		2.87	6.78	10	05/11/2022 13:46	<a href="#">WG1862452</a>
Ethane	302		0.296	1.29	1	05/11/2022 09:55	<a href="#">WG1861160</a>
Ethene	250		0.422	1.27	1	05/11/2022 09:55	<a href="#">WG1861160</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	22.3	J <del>B-C3</del>	5.48	10.0	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Acrylonitrile	U	UJ <del>C3</del>	0.760	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Benzene	U		0.160	0.400	10	05/09/2022 13:23	<a href="#">WG1860643</a>
Bromobenzene	U		0.420	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Bromodichloromethane	U		0.315	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Bromoform	U	UJ <del>C3</del>	2.39	10.0	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Bromomethane	U		1.48	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
n-Butylbenzene	U		1.53	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
sec-Butylbenzene	U		1.01	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
tert-Butylbenzene	U		0.620	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Carbon tetrachloride	U		0.432	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Chlorobenzene	U		0.229	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Chlorodibromomethane	U	UJ <del>C3</del>	0.180	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Chloroethane	U		0.432	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Chloroform	U		0.166	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Chloromethane	U		0.556	5.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
2-Chlorotoluene	U		0.368	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
4-Chlorotoluene	U		0.452	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3 J4</del>	2.04	10.0	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,2-Dibromoethane	U		0.210	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Dibromomethane	U		0.400	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
Dichlorodifluoromethane	U		0.327	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,1-Dichloroethane	U		0.230	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,2-Dichloroethane	U		0.190	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,1-Dichloroethene	U		0.200	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
cis-1,2-Dichloroethene	25.6		0.276	1.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
trans-1,2-Dichloroethene	1.21	J	0.572	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>
1,2-Dichloropropane	U		0.508	2.00	10	05/06/2022 16:27	<a href="#">WG1860013</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.280	1.00	10	05/06/2022 16:27	WG1860013
1,3-Dichloropropane	U		0.700	2.00	10	05/06/2022 16:27	WG1860013
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/06/2022 16:27	WG1860013
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/06/2022 16:27	WG1860013
2,2-Dichloropropane	U		0.317	1.00	10	05/06/2022 16:27	WG1860013
Di-isopropyl ether	U		0.140	0.400	10	05/06/2022 16:27	WG1860013
Ethylbenzene	U		0.212	1.00	10	05/09/2022 13:23	WG1860643
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/06/2022 16:27	WG1860013
Isopropylbenzene	0.840	J	0.345	1.00	10	05/06/2022 16:27	WG1860013
p-Isopropyltoluene	U		0.932	2.00	10	05/06/2022 16:27	WG1860013
2-Butanone (MEK)	U		5.00	10.0	10	05/06/2022 16:27	WG1860013
Methylene Chloride	U		2.65	10.0	10	05/06/2022 16:27	WG1860013
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/06/2022 16:27	WG1860013
Methyl tert-butyl ether	U		0.118	0.400	10	05/06/2022 16:27	WG1860013
Naphthalene	27.1	J- C3	1.24	5.00	10	05/06/2022 16:27	WG1860013
n-Propylbenzene	3.06		0.472	2.00	10	05/06/2022 16:27	WG1860013
Styrene	U		1.09	5.00	10	05/06/2022 16:27	WG1860013
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/06/2022 16:27	WG1860013
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/06/2022 16:27	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/06/2022 16:27	WG1860013
Tetrachloroethene	U		0.280	1.00	10	05/06/2022 16:27	WG1860013
Toluene	U		0.500	2.00	10	05/09/2022 13:23	WG1860643
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.250	5.00	10	05/06/2022 16:27	WG1860013
1,2,4-Trichlorobenzene	U	UJ C4	1.93	5.00	10	05/06/2022 16:27	WG1860013
1,1,1-Trichloroethane	U		0.110	1.00	10	05/06/2022 16:27	WG1860013
1,1,2-Trichloroethane	U		0.353	1.00	10	05/06/2022 16:27	WG1860013
Trichloroethene	U		0.160	0.400	10	05/06/2022 16:27	WG1860013
Trichlorofluoromethane	U		0.200	1.00	10	05/06/2022 16:27	WG1860013
1,2,3-Trichloropropane	U		2.04	5.00	10	05/06/2022 16:27	WG1860013
1,2,4-Trimethylbenzene	23.7		0.464	2.00	10	05/06/2022 16:27	WG1860013
1,2,3-Trimethylbenzene	6.62		0.460	2.00	10	05/06/2022 16:27	WG1860013
1,3,5-Trimethylbenzene	6.56		0.432	2.00	10	05/06/2022 16:27	WG1860013
Vinyl chloride	280		0.273	1.00	10	05/06/2022 16:27	WG1860013
Xylenes, Total	U		1.91	2.60	10	05/09/2022 13:23	WG1860643
Ethyl Ether	U		0.170	1.00	10	05/06/2022 16:27	WG1860013
Tetrahydrofuran	U		0.900	5.00	10	05/06/2022 16:27	WG1860013
Iodomethane	U		2.42	5.00	10	05/06/2022 16:27	WG1860013
Allyl chloride	U		5.80	10.0	10	05/06/2022 16:27	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/06/2022 16:27	WG1860013
(S) Toluene-d8	98.6			75.0-131		05/06/2022 16:27	WG1860013
(S) Toluene-d8	107			75.0-131		05/09/2022 13:23	WG1860643
(S) 4-Bromofluorobenzene	99.1			67.0-138		05/06/2022 16:27	WG1860013
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/09/2022 13:23	WG1860643
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/06/2022 16:27	WG1860013
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/09/2022 13:23	WG1860643

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	5590		594	5000	1	05/18/2022 04:46	<a href="#">WG1865341</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4840	<del>U</del>	102	1000	1	05/12/2022 04:17	<a href="#">WG1862417</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	14200		281	1000	10	05/11/2022 16:58	<a href="#">WG1861242</a>
Manganese	1740		7.04	50.0	10	05/11/2022 16:58	<a href="#">WG1861242</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	14600		2.87	6.78	10	05/11/2022 13:49	<a href="#">WG1862452</a>
Ethane	208		0.296	1.29	1	05/11/2022 09:58	<a href="#">WG1861160</a>
Ethene	296		0.422	1.27	1	05/11/2022 09:58	<a href="#">WG1861160</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	18.8	J <del>B-C3</del>	5.48	10.0	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Acrylonitrile	U	UJ <del>C3</del>	0.760	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Benzene	U		0.160	0.400	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Bromobenzene	U		0.420	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Bromodichloromethane	U		0.315	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Bromoform	U	UJ <del>C3</del>	2.39	10.0	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Bromomethane	U		1.48	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
n-Butylbenzene	U		1.53	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
sec-Butylbenzene	U		1.01	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
tert-Butylbenzene	U		0.620	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Carbon tetrachloride	U		0.432	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Chlorobenzene	U		0.229	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Chlorodibromomethane	U	UJ <del>C3</del>	0.180	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Chloroethane	U		0.432	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Chloroform	U		0.166	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Chloromethane	U		0.556	5.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
2-Chlorotoluene	U		0.368	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
4-Chlorotoluene	U		0.452	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3 J4</del>	2.04	10.0	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,2-Dibromoethane	U		0.210	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Dibromomethane	U		0.400	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
Dichlorodifluoromethane	U		0.327	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,1-Dichloroethane	U		0.230	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,2-Dichloroethane	U		0.190	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,1-Dichloroethene	0.880	J	0.200	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
cis-1,2-Dichloroethene	121		0.276	1.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
trans-1,2-Dichloroethene	2.31		0.572	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>
1,2-Dichloropropane	U		0.508	2.00	10	05/06/2022 16:46	<a href="#">WG1860013</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.280	1.00	10	05/06/2022 16:46	WG1860013
1,3-Dichloropropane	U		0.700	2.00	10	05/06/2022 16:46	WG1860013
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/06/2022 16:46	WG1860013
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/06/2022 16:46	WG1860013
2,2-Dichloropropane	U		0.317	1.00	10	05/06/2022 16:46	WG1860013
Di-isopropyl ether	U		0.140	0.400	10	05/06/2022 16:46	WG1860013
Ethylbenzene	U		0.212	1.00	10	05/09/2022 13:42	WG1860643
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/06/2022 16:46	WG1860013
Isopropylbenzene	U		0.345	1.00	10	05/06/2022 16:46	WG1860013
p-Isopropyltoluene	U		0.932	2.00	10	05/06/2022 16:46	WG1860013
2-Butanone (MEK)	U		5.00	10.0	10	05/06/2022 16:46	WG1860013
Methylene Chloride	U		2.65	10.0	10	05/06/2022 16:46	WG1860013
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/06/2022 16:46	WG1860013
Methyl tert-butyl ether	U		0.118	0.400	10	05/06/2022 16:46	WG1860013
Naphthalene	3.03	J C3 J	1.24	5.00	10	05/06/2022 16:46	WG1860013
n-Propylbenzene	U		0.472	2.00	10	05/06/2022 16:46	WG1860013
Styrene	U		1.09	5.00	10	05/06/2022 16:46	WG1860013
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/06/2022 16:46	WG1860013
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/06/2022 16:46	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/06/2022 16:46	WG1860013
Tetrachloroethene	U		0.280	1.00	10	05/06/2022 16:46	WG1860013
Toluene	U		0.500	2.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.250	5.00	10	05/06/2022 16:46	WG1860013
1,2,4-Trichlorobenzene	U	UJ C4	1.93	5.00	10	05/06/2022 16:46	WG1860013
1,1,1-Trichloroethane	U		0.110	1.00	10	05/06/2022 16:46	WG1860013
1,1,2-Trichloroethane	U		0.353	1.00	10	05/06/2022 16:46	WG1860013
Trichloroethene	0.250	IJ	0.160	0.400	10	05/06/2022 16:46	WG1860013
Trichlorofluoromethane	U		0.200	1.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trichloropropane	U		2.04	5.00	10	05/06/2022 16:46	WG1860013
1,2,4-Trimethylbenzene	3.27		0.464	2.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trimethylbenzene	0.960	IJ	0.460	2.00	10	05/06/2022 16:46	WG1860013
1,3,5-Trimethylbenzene	0.910	IJ	0.432	2.00	10	05/06/2022 16:46	WG1860013
Vinyl chloride	273		0.273	1.00	10	05/06/2022 16:46	WG1860013
Xylenes, Total	U		1.91	2.60	10	05/09/2022 13:42	WG1860643
Ethyl Ether	U		0.170	1.00	10	05/06/2022 16:46	WG1860013
Tetrahydrofuran	U		0.900	5.00	10	05/06/2022 16:46	WG1860013
Iodomethane	U		2.42	5.00	10	05/06/2022 16:46	WG1860013
Allyl chloride	U		5.80	10.0	10	05/06/2022 16:46	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/06/2022 16:46	WG1860013
(S) Toluene-d8	98.3			75.0-131		05/06/2022 16:46	WG1860013
(S) Toluene-d8	103			75.0-131		05/09/2022 13:42	WG1860643
(S) 4-Bromofluorobenzene	98.1			67.0-138		05/06/2022 16:46	WG1860013
(S) 4-Bromofluorobenzene	91.0			67.0-138		05/09/2022 13:42	WG1860643
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/06/2022 16:46	WG1860013
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/09/2022 13:42	WG1860643

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/06/2022 18:20	WG1860013
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/06/2022 18:20	WG1860013
Benzene	U		0.0160	0.0400	1	05/06/2022 18:20	WG1860013
Bromobenzene	U		0.0420	0.500	1	05/06/2022 18:20	WG1860013
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 18:20	WG1860013
Bromoform	U	UJ C3	0.239	1.00	1	05/06/2022 18:20	WG1860013
Bromomethane	U		0.148	0.500	1	05/06/2022 18:20	WG1860013
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 18:20	WG1860013
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 18:20	WG1860013
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 18:20	WG1860013
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 18:20	WG1860013
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 18:20	WG1860013
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/06/2022 18:20	WG1860013
Chloroethane	U		0.0432	0.200	1	05/06/2022 18:20	WG1860013
Chloroform	U		0.0166	0.100	1	05/06/2022 18:20	WG1860013
Chloromethane	U		0.0556	0.500	1	05/06/2022 18:20	WG1860013
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 18:20	WG1860013
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/06/2022 18:20	WG1860013
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 18:20	WG1860013
Dibromomethane	U		0.0400	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 18:20	WG1860013
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 18:20	WG1860013
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 18:20	WG1860013
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 18:20	WG1860013
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 18:20	WG1860013
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 18:20	WG1860013
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 18:20	WG1860013
cis-1,2-Dichloroethene	0.0290	J	0.0276	0.100	1	05/06/2022 18:20	WG1860013
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 18:20	WG1860013
1,1-Dichloropropene	U		0.0280	0.100	1	05/06/2022 18:20	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 18:20	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 18:20	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 18:20	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 18:20	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 18:20	WG1860013
Ethylbenzene	U		0.0212	0.100	1	05/06/2022 18:20	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 18:20	WG1860013
Isopropylbenzene	U		0.0345	0.100	1	05/06/2022 18:20	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 18:20	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 18:20	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 18:20	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 18:20	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 18:20	WG1860013
Naphthalene	U	UJ C3	0.124	0.500	1	05/06/2022 18:20	WG1860013
n-Propylbenzene	U		0.0472	0.200	1	05/06/2022 18:20	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 18:20	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 18:20	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 18:20	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 18:20	WG1860013
Tetrachloroethene	U		0.0280	0.100	1	05/06/2022 18:20	WG1860013
Toluene	U		0.0500	0.200	1	05/06/2022 18:20	WG1860013
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/06/2022 18:20	WG1860013
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/06/2022 18:20	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 18:20	WG1860013

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Trichloroethene	0.0530		0.0160	0.0400	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 18:20	<a href="#">WG1860013</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 18:20	<a href="#">WG1860013</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/06/2022 18:20	<a href="#">WG1860013</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/06/2022 18:20	<a href="#">WG1860013</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Vinyl chloride	U		0.0273	0.100	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Xylenes, Total	U		0.191	0.260	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Iodomethane	U		0.242	0.500	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Allyl chloride	U		0.580	1.00	1	05/06/2022 18:20	<a href="#">WG1860013</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 18:20	<a href="#">WG1860013</a>
(S) Toluene-d8	98.4			75.0-131		05/06/2022 18:20	<a href="#">WG1860013</a>
(S) 4-Bromofluorobenzene	97.6			67.0-138		05/06/2022 18:20	<a href="#">WG1860013</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/06/2022 18:20	<a href="#">WG1860013</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Benzene	U		0.0160	0.0400	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Bromobenzene	U		0.0420	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Bromoform	U		0.239	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Bromomethane	U		0.148	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Chloroethane	U		0.0432	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Chloroform	U		0.0166	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Chloromethane	U		0.0556	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Dibromomethane	U		0.0400	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Methylene Chloride	U		0.265	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Naphthalene	U		0.124	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Styrene	U		0.109	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Toluene	U		0.0500	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 16:36	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 16:36	<a href="#">WG1860918</a>
(S) Toluene-d8	110			75.0-131		05/09/2022 16:36	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	88.4			67.0-138		05/09/2022 16:36	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/09/2022 16:36	<a href="#">WG1860918</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Benzene	7.53		0.0160	0.0400	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Bromobenzene	U		0.0420	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Bromoform	U		0.239	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Bromomethane	U		0.148	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Chloroethane	U		0.0432	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Chloroform	U		0.0166	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Chloromethane	U		0.0556	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Dibromomethane	U		0.0400	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	0.336		0.0276	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Di-isopropyl ether	0.0500		0.0140	0.0400	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Methylene Chloride	U		0.265	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Naphthalene	U		0.124	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Styrene	U		0.109	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Toluene	U		0.0500	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Vinyl chloride	2.12		0.0273	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 16:55	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 16:55	<a href="#">WG1860918</a>
(S) Toluene-d8	103			75.0-131		05/09/2022 16:55	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	89.1			67.0-138		05/09/2022 16:55	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 16:55	<a href="#">WG1860918</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	0.548	1.00	1	05/09/2022 17:14	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:14	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 17:14	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:14	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:14	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 17:14	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 17:14	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:14	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:14	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:14	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:14	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:14	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:14	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:14	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 17:14	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:14	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:14	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:14	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:14	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:14	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:14	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:14	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:14	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:14	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:14	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 17:14	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 17:14	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:14	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:14	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:14	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:14	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:14	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:14	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 17:14	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:14	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:14	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:14	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:14	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:14	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:14	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 17:14	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:14	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 17:14	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:14	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 17:14	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:14	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:14	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:14	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:14	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 17:14	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:14	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:14	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:14	WG1860918

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:14	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:14	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:14	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:14	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:14	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:14	<a href="#">WG1860918</a>
(S) Toluene-d8	103			75.0-131		05/09/2022 17:14	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	90.1			67.0-138		05/09/2022 17:14	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/09/2022 17:14	<a href="#">WG1860918</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	0.548	1.00	1	05/09/2022 17:34	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:34	WG1860918
Benzene	21.3		0.0160	0.0400	1	05/09/2022 17:34	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:34	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:34	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 17:34	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 17:34	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:34	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:34	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:34	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:34	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:34	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:34	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:34	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 17:34	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:34	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:34	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:34	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:34	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:34	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:34	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:34	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:34	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:34	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:34	WG1860918
1,1-Dichloroethene	0.0400	J	0.0200	0.100	1	05/09/2022 17:34	WG1860918
cis-1,2-Dichloroethene	17.0		0.0276	0.100	1	05/09/2022 17:34	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:34	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:34	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:34	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:34	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:34	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:34	WG1860918
Di-isopropyl ether	0.295		0.0140	0.0400	1	05/09/2022 17:34	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:34	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:34	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:34	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:34	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:34	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:34	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 17:34	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:34	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 17:34	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:34	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 17:34	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:34	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:34	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:34	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:34	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 17:34	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:34	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:34	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:34	WG1860918

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/6/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:34	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:34	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:34	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:34	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Vinyl chloride	16.6		0.0273	0.100	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Ethyl Ether	0.115		0.0170	0.100	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:34	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:34	<a href="#">WG1860918</a>
(S) Toluene-d8	104			75.0-131		05/09/2022 17:34	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	93.6			67.0-138		05/09/2022 17:34	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 17:34	<a href="#">WG1860918</a>

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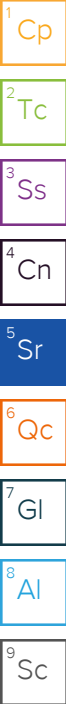
8  
Al

9  
Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Benzene	U		0.0160	0.0400	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Bromoform	U		0.239	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Bromomethane	U		0.148	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Chloroform	U		0.0166	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Naphthalene	U		0.124	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Styrene	U		0.109	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Toluene	U		0.0500	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:53	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:53	<a href="#">WG1860918</a>
(S) Toluene-d8	104			75.0-131		05/09/2022 17:53	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	92.9			67.0-138		05/09/2022 17:53	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/09/2022 17:53	<a href="#">WG1860918</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.01	U <del>B</del> C5 J4	0.548	1.00	1	05/09/2022 18:12	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:12	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 18:12	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:12	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:12	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 18:12	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 18:12	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:12	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:12	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:12	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:12	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:12	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:12	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:12	WG1860918
Chloroform	0.119		0.0166	0.100	1	05/09/2022 18:12	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:12	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:12	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:12	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:12	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:12	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:12	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:12	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:12	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:12	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:12	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 18:12	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 18:12	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:12	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 18:12	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:12	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:12	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:12	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:12	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:12	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:12	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:12	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:12	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:12	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:12	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:12	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 18:12	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:12	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:12	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:12	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:12	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:12	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:12	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:12	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 18:12	WG1860918
Toluene	0.0580	J	0.0500	0.200	1	05/09/2022 18:12	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:12	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:12	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:12	WG1860918

1 Cp  
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3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

IC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:12	<a href="#">WG1860918</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:12	<a href="#">WG1860918</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:12	<a href="#">WG1860918</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:12	<a href="#">WG1860918</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Iodomethane	U		0.242	0.500	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:12	<a href="#">WG1860918</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:12	<a href="#">WG1860918</a>
(S) Toluene-d8	107			75.0-131		05/09/2022 18:12	<a href="#">WG1860918</a>
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/09/2022 18:12	<a href="#">WG1860918</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/09/2022 18:12	<a href="#">WG1860918</a>

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Cp

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Tc

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JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	177000		2970	25000	5	05/25/2022 09:33	<a href="#">WG1868480</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2050	<del>B</del>	102	1000	1	05/23/2022 20:25	<a href="#">WG1868265</a>

Metals (ICPMS) by Method 6020B

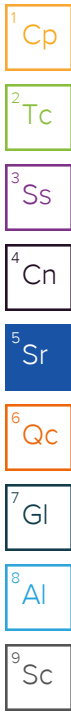
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3070		140	500	5	05/17/2022 14:03	<a href="#">WG1863227</a>
Manganese	581		3.52	25.0	5	05/17/2022 14:03	<a href="#">WG1863227</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1250		0.287	0.678	1	05/16/2022 12:45	<a href="#">WG1864281</a>
Ethane	1.66		0.296	1.29	1	05/16/2022 12:45	<a href="#">WG1864281</a>
Ethene	3.69		0.422	1.27	1	05/16/2022 12:45	<a href="#">WG1864281</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Benzene	0.0210	J	0.0160	0.0400	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Bromoform	U		0.239	1.00	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Bromomethane	U		0.148	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Chloroform	U		0.0166	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:32	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 18:32	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:32	<a href="#">WG1860918</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 18:32	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:32	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:32	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:32	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:32	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:32	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:32	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:32	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:32	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:32	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:32	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:32	WG1860918
4-Methyl-2-pentanone (MIBK)	U	<del>14</del>	0.400	1.00	1	05/09/2022 18:32	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:32	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:32	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:32	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:32	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:32	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:32	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:32	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 18:32	WG1860918
Toluene	0.184	U	0.0500	0.200	1	05/09/2022 18:32	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:32	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:32	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:32	WG1860918
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:32	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 18:32	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:32	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:32	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:32	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:32	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:32	WG1860918
Vinyl chloride	0.792		0.0273	0.100	1	05/09/2022 18:32	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:32	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:32	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:32	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 18:32	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:32	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:32	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 18:32	WG1860918
(S) 4-Bromofluorobenzene	93.8			67.0-138		05/09/2022 18:32	WG1860918
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/09/2022 18:32	WG1860918

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	84800		594	5000	1	05/25/2022 09:49	<a href="#">WG1868480</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1790	<del>E</del>	102	1000	1	05/23/2022 20:40	<a href="#">WG1868265</a>

Metals (ICPMS) by Method 6020B

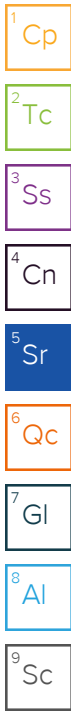
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	31.2	J	28.1	100	1	05/17/2022 11:24	<a href="#">WG1863227</a>
Manganese	84.2	J	0.704	5.00	1	05/17/2022 11:24	<a href="#">WG1863227</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	26.8		0.287	0.678	1	05/16/2022 15:17	<a href="#">WG1864429</a>
Ethane	U		0.296	1.29	1	05/16/2022 15:17	<a href="#">WG1864429</a>
Ethene	U		0.422	1.27	1	05/16/2022 15:17	<a href="#">WG1864429</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U	<del>J4</del>	0.548	1.00	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Benzene	U		0.0160	0.0400	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Bromoform	U		0.239	1.00	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Bromomethane	U		0.148	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Chloroform	U		0.0166	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:51	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,1-Dichloroethene	0.0480	J	0.0200	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	18.3		0.0276	0.100	1	05/09/2022 18:51	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:51	<a href="#">WG1860918</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 18:51	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:51	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:51	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:51	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:51	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:51	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:51	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:51	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:51	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:51	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:51	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:51	WG1860918
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/09/2022 18:51	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:51	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:51	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:51	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:51	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:51	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:51	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:51	WG1860918
Tetrachloroethene	27.6	J+ C5	0.0280	0.100	1	05/09/2022 18:51	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 18:51	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:51	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:51	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:51	WG1860918
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:51	WG1860918
Trichloroethene	5.14		0.0160	0.0400	1	05/09/2022 18:51	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:51	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:51	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:51	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:51	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:51	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 18:51	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:51	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:51	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:51	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 18:51	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:51	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:51	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 18:51	WG1860918
(S) 4-Bromofluorobenzene	93.2			67.0-138		05/09/2022 18:51	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 18:51	WG1860918

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	140000		2970	25000	5	05/25/2022 10:05	<a href="#">WG1868480</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2230	<u>B</u>	102	1000	1	05/23/2022 21:43	<a href="#">WG1868265</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	924		28.1	100	1	05/17/2022 12:26	<a href="#">WG1863227</a>
Manganese	455		3.52	25.0	5	05/17/2022 14:07	<a href="#">WG1863227</a>

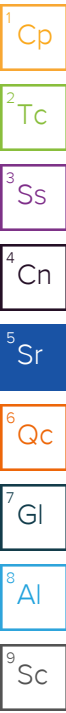
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	481		0.287	0.678	1	05/16/2022 15:24	<a href="#">WG1864429</a>
Ethane	20.0		0.296	1.29	1	05/16/2022 15:24	<a href="#">WG1864429</a>
Ethene	U		0.422	1.27	1	05/16/2022 15:24	<a href="#">WG1864429</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<u>J4</u>	13.7	25.0	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Acrylonitrile	U		1.90	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Benzene	U		0.400	1.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Bromobenzene	U		1.05	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Bromodichloromethane	U		0.788	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Bromoform	U		5.98	25.0	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Bromomethane	U		3.70	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
n-Butylbenzene	U		3.83	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
sec-Butylbenzene	U		2.53	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
tert-Butylbenzene	U		1.55	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Carbon tetrachloride	U		1.08	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Chlorobenzene	U		0.573	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Chlorodibromomethane	U		0.450	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Chloroethane	U		1.08	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Chloroform	U		0.415	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Chloromethane	U		1.39	12.5	25	05/09/2022 19:49	<a href="#">WG1860918</a>
2-Chlorotoluene	U		0.920	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
4-Chlorotoluene	U		1.13	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,2-Dibromoethane	U		0.525	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Dibromomethane	U		1.00	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
Dichlorodifluoromethane	U		0.818	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,1-Dichloroethane	U		0.575	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,2-Dichloroethane	U		0.475	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,1-Dichloroethene	3.05		0.500	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
cis-1,2-Dichloroethene	940		0.690	2.50	25	05/09/2022 19:49	<a href="#">WG1860918</a>
trans-1,2-Dichloroethene	1.63	<u>J</u>	1.43	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>
1,2-Dichloropropane	U		1.27	5.00	25	05/09/2022 19:49	<a href="#">WG1860918</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.700	2.50	25	05/09/2022 19:49	WG1860918
1,3-Dichloropropane	U		1.75	5.00	25	05/09/2022 19:49	WG1860918
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/09/2022 19:49	WG1860918
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/09/2022 19:49	WG1860918
2,2-Dichloropropane	U		0.793	2.50	25	05/09/2022 19:49	WG1860918
Di-isopropyl ether	U		0.350	1.00	25	05/09/2022 19:49	WG1860918
Ethylbenzene	U		0.530	2.50	25	05/09/2022 19:49	WG1860918
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/09/2022 19:49	WG1860918
Isopropylbenzene	U		0.863	2.50	25	05/09/2022 19:49	WG1860918
p-Isopropyltoluene	U		2.33	5.00	25	05/09/2022 19:49	WG1860918
2-Butanone (MEK)	U		12.5	25.0	25	05/09/2022 19:49	WG1860918
Methylene Chloride	U		6.63	25.0	25	05/09/2022 19:49	WG1860918
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	10.0	25.0	25	05/09/2022 19:49	WG1860918
Methyl tert-butyl ether	U		0.295	1.00	25	05/09/2022 19:49	WG1860918
Naphthalene	U		3.10	12.5	25	05/09/2022 19:49	WG1860918
n-Propylbenzene	U		1.18	5.00	25	05/09/2022 19:49	WG1860918
Styrene	U		2.73	12.5	25	05/09/2022 19:49	WG1860918
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/09/2022 19:49	WG1860918
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	05/09/2022 19:49	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/09/2022 19:49	WG1860918
Tetrachloroethene	197	J+ C5	0.700	2.50	25	05/09/2022 19:49	WG1860918
Toluene	U		1.25	5.00	25	05/09/2022 19:49	WG1860918
1,2,3-Trichlorobenzene	U		0.625	12.5	25	05/09/2022 19:49	WG1860918
1,2,4-Trichlorobenzene	U		4.83	12.5	25	05/09/2022 19:49	WG1860918
1,1,1-Trichloroethane	U		0.275	2.50	25	05/09/2022 19:49	WG1860918
1,1,2-Trichloroethane	U		0.883	2.50	25	05/09/2022 19:49	WG1860918
Trichloroethene	286		0.400	1.00	25	05/09/2022 19:49	WG1860918
Trichlorofluoromethane	U		0.500	2.50	25	05/09/2022 19:49	WG1860918
1,2,3-Trichloropropane	U		5.10	12.5	25	05/09/2022 19:49	WG1860918
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/09/2022 19:49	WG1860918
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/09/2022 19:49	WG1860918
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/09/2022 19:49	WG1860918
Vinyl chloride	U		0.682	2.50	25	05/09/2022 19:49	WG1860918
Xylenes, Total	U		4.78	6.50	25	05/09/2022 19:49	WG1860918
Ethyl Ether	U		0.425	2.50	25	05/09/2022 19:49	WG1860918
Tetrahydrofuran	U		2.25	12.5	25	05/09/2022 19:49	WG1860918
Iodomethane	U		6.05	12.5	25	05/09/2022 19:49	WG1860918
Allyl chloride	U		14.5	25.0	25	05/09/2022 19:49	WG1860918
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/09/2022 19:49	WG1860918
(S) Toluene-d8	104			75.0-131		05/09/2022 19:49	WG1860918
(S) 4-Bromofluorobenzene	93.3			67.0-138		05/09/2022 19:49	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 19:49	WG1860918

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	7730		594	5000	1	05/25/2022 10:21	<a href="#">WG1868480</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6190		102	1000	1	05/23/2022 22:03	<a href="#">WG1868265</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14700		562	2000	20	05/17/2022 14:10	<a href="#">WG1863227</a>
Manganese	3620		14.1	100	20	05/17/2022 14:10	<a href="#">WG1863227</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7820		2.87	6.78	10	05/16/2022 15:53	<a href="#">WG1864663</a>
Ethane	U		0.296	1.29	1	05/16/2022 15:27	<a href="#">WG1864429</a>
Ethene	U		0.422	1.27	1	05/16/2022 15:27	<a href="#">WG1864429</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	5.55	J+	<a href="#">C5 J4</a>	0.548	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Benzene	U		0.0160	0.0400	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Bromobenzene	U		0.0420	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Bromoform	U		0.239	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Bromomethane	U		0.148	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Chloroethane	U		0.0432	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Chloroform	U		0.0166	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Chloromethane	U		0.0556	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U		<del>J3</del>	0.204	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Dibromomethane	U		0.0400	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	5.16		0.0276	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Methylene Chloride	U		0.265	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Naphthalene	U	UJ	<u>C3</u>	0.124	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Styrene	U		0.109	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Tetrachloroethene	0.200	J+	<u>C5</u>	0.0280	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>
Toluene	U		0.0500	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2,3-Trichlorobenzene	U	UJ	<u>C3</u>	0.0250	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Trichloroethene	0.866		0.0160	0.0400	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Vinyl chloride	U		0.0273	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Xylenes, Total	U		0.191	0.260	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Tetrahydrofuran	U		<del>J4</del>	0.0900	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Allyl chloride	U		0.580	1.00	1	05/12/2022 22:35	<a href="#">WG1862853</a>	
Trans-1,4-Dichloro-2-butene	U		<del>J3</del>	0.0560	0.200	1	05/12/2022 22:35	<a href="#">WG1862853</a>
(S) Toluene-d8	103				75.0-131	05/12/2022 22:35	<a href="#">WG1862853</a>	
(S) 4-Bromofluorobenzene	98.6				67.0-138	05/12/2022 22:35	<a href="#">WG1862853</a>	
(S) 1,2-Dichloroethane-d4	111				70.0-130	05/12/2022 22:35	<a href="#">WG1862853</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	14600		594	5000	1	05/25/2022 12:19	<a href="#">WG1868480</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1270	<u>B</u>	102	1000	1	05/23/2022 23:15	<a href="#">WG1868265</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1510		28.1	100	1	05/17/2022 12:46	<a href="#">WG1863227</a>
Manganese	678		3.52	25.0	5	05/17/2022 14:14	<a href="#">WG1863227</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	59.6		0.287	0.678	1	05/16/2022 15:31	<a href="#">WG1864429</a>
Ethane	U		0.296	1.29	1	05/16/2022 15:31	<a href="#">WG1864429</a>
Ethene	U		0.422	1.27	1	05/16/2022 15:31	<a href="#">WG1864429</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	5.08	<u>J+</u>	<u>C5 J4</u>	0.548	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Benzene	U		0.0160	0.0400	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Bromobenzene	U		0.0420	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Bromoform	U		0.239	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Bromomethane	U		0.148	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Chloroethane	U		0.0432	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Chloroform	U		0.0166	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Chloromethane	U		0.0556	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Dibromomethane	U		0.0400	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Methylene Chloride	U		0.265	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Naphthalene	U	UJ <u>C3</u>	0.124	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Styrene	U		0.109	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Toluene	U		0.0500	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,2,3-Trichlorobenzene	U	UJ <u>C3</u>	0.0250	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Vinyl chloride	U		0.0273	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Xylenes, Total	U		0.191	0.260	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/12/2022 22:55	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/12/2022 22:55	<a href="#">WG1862853</a>
(S) Toluene-d8	106			75.0-131		05/12/2022 22:55	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	94.7			67.0-138		05/12/2022 22:55	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/12/2022 22:55	<a href="#">WG1862853</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	30400		594	5000	1	06/01/2022 15:39	<a href="#">WG1872598</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1630	<del>B</del>	102	1000	1	05/28/2022 17:26	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2650		28.1	100	1	05/17/2022 21:29	<a href="#">WG1864824</a>
Manganese	951	<del>V</del>	0.704	5.00	1	05/17/2022 21:29	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	272		0.287	0.678	1	05/18/2022 09:52	<a href="#">WG1865023</a>
Ethane	28.3		0.296	1.29	1	05/18/2022 09:52	<a href="#">WG1865023</a>
Ethene	24.3		0.422	1.27	1	05/18/2022 09:52	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.51	J+ C5 J4	0.548	1.00	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Benzene	0.0370	J	0.0160	0.0400	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Bromobenzene	U		0.0420	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Bromoform	U		0.239	1.00	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Bromomethane	U		0.148	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Chloroethane	U		0.0432	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Chloroform	U		0.0166	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Chloromethane	U		0.0556	0.500	1	05/12/2022 23:33	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	<del>JS</del>	0.204	1.00	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Dibromomethane	U		0.0400	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,1-Dichloroethene	2.15		0.0200	0.100	1	05/12/2022 23:33	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	213		0.138	0.500	5	05/17/2022 00:56	<a href="#">WG1864055</a>
trans-1,2-Dichloroethene	0.273		0.0572	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 23:33	<a href="#">WG1862853</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/12/2022 23:33	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 23:33	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 23:33	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 23:33	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 23:33	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 23:33	WG1862853
Ethylbenzene	0.165	J	0.106	0.500	5	05/17/2022 00:56	WG1864055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 23:33	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 23:33	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 23:33	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 23:33	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 23:33	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/12/2022 23:33	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 23:33	WG1862853
Naphthalene	0.850	J C3	0.620	2.50	5	05/17/2022 00:56	WG1864055
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 23:33	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 23:33	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 23:33	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 23:33	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 23:33	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 23:33	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 23:33	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/12/2022 23:33	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 23:33	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 23:33	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 23:33	WG1862853
Trichloroethene	2.68		0.0160	0.0400	1	05/12/2022 23:33	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 23:33	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 23:33	WG1862853
1,2,4-Trimethylbenzene	0.335	J	0.232	1.00	5	05/17/2022 00:56	WG1864055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 23:33	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 23:33	WG1862853
Vinyl chloride	66.9		0.0273	0.100	1	05/12/2022 23:33	WG1862853
Xylenes, Total	U		0.955	1.30	5	05/17/2022 00:56	WG1864055
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 23:33	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/12/2022 23:33	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 23:33	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 23:33	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/12/2022 23:33	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 23:33	WG1862853
(S) Toluene-d8	91.1			75.0-131		05/17/2022 00:56	WG1864055
(S) 4-Bromofluorobenzene	95.3			67.0-138		05/12/2022 23:33	WG1862853
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 00:56	WG1864055
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/12/2022 23:33	WG1862853
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 00:56	WG1864055

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1890	J	594	5000	1	05/28/2022 17:32	<a href="#">WG1869946</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5870		102	1000	1	05/28/2022 17:43	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10500		28.1	100	1	05/17/2022 21:45	<a href="#">WG1864824</a>
Manganese	2920		0.704	5.00	1	05/17/2022 21:45	<a href="#">WG1864824</a>

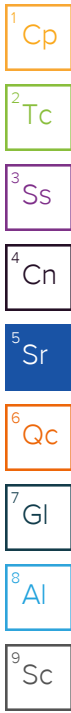
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4020		0.287	0.678	1	05/18/2022 09:54	<a href="#">WG1865023</a>
Ethane	15.3		0.296	1.29	1	05/18/2022 09:54	<a href="#">WG1865023</a>
Ethene	1.22	J	0.422	1.27	1	05/18/2022 09:54	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.22	J+ C5 J4	0.548	1.00	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Benzene	U		0.0160	0.0400	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Bromobenzene	U		0.0420	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Bromoform	U		0.239	1.00	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Bromomethane	U		0.148	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Chloroethane	U		0.0432	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Chloroform	U		0.0166	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Chloromethane	U		0.0556	0.500	1	05/12/2022 23:53	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	SB	0.204	1.00	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Dibromomethane	U		0.0400	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	13.4		0.0276	0.100	1	05/12/2022 23:53	<a href="#">WG1862853</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 23:53	<a href="#">WG1862853</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/12/2022 23:53	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 23:53	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 23:53	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 23:53	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 23:53	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 23:53	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 23:53	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 23:53	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 23:53	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 23:53	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 23:53	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 23:53	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/12/2022 23:53	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 23:53	WG1862853
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	05/12/2022 23:53	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 23:53	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 23:53	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 23:53	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 23:53	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 23:53	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 23:53	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 23:53	WG1862853
1,2,3-Trichlorobenzene	U	UJ <del>C3</del>	0.0250	0.500	1	05/12/2022 23:53	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 23:53	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 23:53	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 23:53	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/12/2022 23:53	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 23:53	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 23:53	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 23:53	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 23:53	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 23:53	WG1862853
Vinyl chloride	5.05		0.0273	0.100	1	05/12/2022 23:53	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/12/2022 23:53	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 23:53	WG1862853
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/12/2022 23:53	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 23:53	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 23:53	WG1862853
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/12/2022 23:53	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 23:53	WG1862853
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/12/2022 23:53	WG1862853
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/12/2022 23:53	WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.09	J+	C5 J4	0.548	1.00	1	05/13/2022 00:12 WG1862853
Acrylonitrile	U			0.0760	0.500	1	05/13/2022 00:12 WG1862853
Benzene	U			0.0160	0.0400	1	05/13/2022 00:12 WG1862853
Bromobenzene	U			0.0420	0.500	1	05/13/2022 00:12 WG1862853
Bromodichloromethane	U			0.0315	0.100	1	05/13/2022 00:12 WG1862853
Bromoform	U			0.239	1.00	1	05/13/2022 00:12 WG1862853
Bromomethane	U			0.148	0.500	1	05/13/2022 00:12 WG1862853
n-Butylbenzene	U			0.153	0.500	1	05/13/2022 00:12 WG1862853
sec-Butylbenzene	U			0.101	0.500	1	05/13/2022 00:12 WG1862853
tert-Butylbenzene	U			0.0620	0.200	1	05/13/2022 00:12 WG1862853
Carbon tetrachloride	U			0.0432	0.200	1	05/13/2022 00:12 WG1862853
Chlorobenzene	U			0.0229	0.100	1	05/13/2022 00:12 WG1862853
Chlorodibromomethane	U			0.0180	0.100	1	05/13/2022 00:12 WG1862853
Chloroethane	U			0.0432	0.200	1	05/13/2022 00:12 WG1862853
Chloroform	U			0.0166	0.100	1	05/13/2022 00:12 WG1862853
Chloromethane	U			0.0556	0.500	1	05/13/2022 00:12 WG1862853
2-Chlorotoluene	U			0.0368	0.100	1	05/13/2022 00:12 WG1862853
4-Chlorotoluene	U			0.0452	0.200	1	05/13/2022 00:12 WG1862853
1,2-Dibromo-3-Chloropropane	U		<del>J3</del>	0.204	1.00	1	05/13/2022 00:12 WG1862853
1,2-Dibromoethane	U			0.0210	0.100	1	05/13/2022 00:12 WG1862853
Dibromomethane	U			0.0400	0.200	1	05/13/2022 00:12 WG1862853
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/13/2022 00:12 WG1862853
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/13/2022 00:12 WG1862853
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/13/2022 00:12 WG1862853
Dichlorodifluoromethane	U			0.0327	0.100	1	05/13/2022 00:12 WG1862853
1,1-Dichloroethane	U			0.0230	0.100	1	05/13/2022 00:12 WG1862853
1,2-Dichloroethane	U			0.0190	0.100	1	05/13/2022 00:12 WG1862853
1,1-Dichloroethene	U			0.0200	0.100	1	05/13/2022 00:12 WG1862853
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/13/2022 00:12 WG1862853
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/13/2022 00:12 WG1862853
1,2-Dichloropropane	U			0.0508	0.200	1	05/13/2022 00:12 WG1862853
1,1-Dichloropropene	U			0.0280	0.100	1	05/13/2022 00:12 WG1862853
1,3-Dichloropropane	U			0.0700	0.200	1	05/13/2022 00:12 WG1862853
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/13/2022 00:12 WG1862853
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/13/2022 00:12 WG1862853
2,2-Dichloropropane	U			0.0317	0.100	1	05/13/2022 00:12 WG1862853
Di-isopropyl ether	U			0.0140	0.0400	1	05/13/2022 00:12 WG1862853
Ethylbenzene	U			0.0212	0.100	1	05/13/2022 00:12 WG1862853
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/13/2022 00:12 WG1862853
Isopropylbenzene	U			0.0345	0.100	1	05/13/2022 00:12 WG1862853
p-Isopropyltoluene	U			0.0932	0.200	1	05/13/2022 00:12 WG1862853
2-Butanone (MEK)	U			0.500	1.00	1	05/13/2022 00:12 WG1862853
Methylene Chloride	U			0.265	1.00	1	05/13/2022 00:12 WG1862853
4-Methyl-2-pentanone (MIBK)	U		<del>J4</del>	0.400	1.00	1	05/13/2022 00:12 WG1862853
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/13/2022 00:12 WG1862853
Naphthalene	U	UJ	C3	0.124	0.500	1	05/13/2022 00:12 WG1862853
n-Propylbenzene	U			0.0472	0.200	1	05/13/2022 00:12 WG1862853
Styrene	U			0.109	0.500	1	05/13/2022 00:12 WG1862853
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/13/2022 00:12 WG1862853
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/13/2022 00:12 WG1862853
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/13/2022 00:12 WG1862853
Tetrachloroethene	U			0.0280	0.100	1	05/13/2022 00:12 WG1862853
Toluene	U			0.0500	0.200	1	05/13/2022 00:12 WG1862853
1,2,3-Trichlorobenzene	U	UJ	C3	0.0250	0.500	1	05/13/2022 00:12 WG1862853
1,2,4-Trichlorobenzene	U			0.193	0.500	1	05/13/2022 00:12 WG1862853
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/13/2022 00:12 WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:12	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:12	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:12	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:12	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Vinyl chloride	U		0.0273	0.100	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:12	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 00:12	<a href="#">WG1862853</a>
(S) Toluene-d8	104			75.0-131		05/13/2022 00:12	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/13/2022 00:12	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 00:12	<a href="#">WG1862853</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.35	J+	C5 J4	0.548	1.00	1	05/13/2022 00:31 WG1862853
Acrylonitrile	U			0.0760	0.500	1	05/13/2022 00:31 WG1862853
Benzene	U			0.0160	0.0400	1	05/13/2022 00:31 WG1862853
Bromobenzene	U			0.0420	0.500	1	05/13/2022 00:31 WG1862853
Bromodichloromethane	U			0.0315	0.100	1	05/13/2022 00:31 WG1862853
Bromoform	U			0.239	1.00	1	05/13/2022 00:31 WG1862853
Bromomethane	U			0.148	0.500	1	05/13/2022 00:31 WG1862853
n-Butylbenzene	U			0.153	0.500	1	05/13/2022 00:31 WG1862853
sec-Butylbenzene	U			0.101	0.500	1	05/13/2022 00:31 WG1862853
tert-Butylbenzene	U			0.0620	0.200	1	05/13/2022 00:31 WG1862853
Carbon tetrachloride	U			0.0432	0.200	1	05/13/2022 00:31 WG1862853
Chlorobenzene	U			0.0229	0.100	1	05/13/2022 00:31 WG1862853
Chlorodibromomethane	U			0.0180	0.100	1	05/13/2022 00:31 WG1862853
Chloroethane	U			0.0432	0.200	1	05/13/2022 00:31 WG1862853
Chloroform	U			0.0166	0.100	1	05/13/2022 00:31 WG1862853
Chloromethane	U			0.0556	0.500	1	05/13/2022 00:31 WG1862853
2-Chlorotoluene	U			0.0368	0.100	1	05/13/2022 00:31 WG1862853
4-Chlorotoluene	U			0.0452	0.200	1	05/13/2022 00:31 WG1862853
1,2-Dibromo-3-Chloropropane	U		J3	0.204	1.00	1	05/13/2022 00:31 WG1862853
1,2-Dibromoethane	U			0.0210	0.100	1	05/13/2022 00:31 WG1862853
Dibromomethane	U			0.0400	0.200	1	05/13/2022 00:31 WG1862853
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/13/2022 00:31 WG1862853
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/13/2022 00:31 WG1862853
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/13/2022 00:31 WG1862853
Dichlorodifluoromethane	U			0.0327	0.100	1	05/13/2022 00:31 WG1862853
1,1-Dichloroethane	U			0.0230	0.100	1	05/13/2022 00:31 WG1862853
1,2-Dichloroethane	U			0.0190	0.100	1	05/13/2022 00:31 WG1862853
1,1-Dichloroethene	U			0.0200	0.100	1	05/13/2022 00:31 WG1862853
cis-1,2-Dichloroethene	0.336			0.0276	0.100	1	05/13/2022 00:31 WG1862853
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/13/2022 00:31 WG1862853
1,2-Dichloropropane	U			0.0508	0.200	1	05/13/2022 00:31 WG1862853
1,1-Dichloropropene	U			0.0280	0.100	1	05/13/2022 00:31 WG1862853
1,3-Dichloropropane	U			0.0700	0.200	1	05/13/2022 00:31 WG1862853
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/13/2022 00:31 WG1862853
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/13/2022 00:31 WG1862853
2,2-Dichloropropane	U			0.0317	0.100	1	05/13/2022 00:31 WG1862853
Di-isopropyl ether	U			0.0140	0.0400	1	05/13/2022 00:31 WG1862853
Ethylbenzene	U			0.0212	0.100	1	05/13/2022 00:31 WG1862853
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/13/2022 00:31 WG1862853
Isopropylbenzene	U			0.0345	0.100	1	05/13/2022 00:31 WG1862853
p-Isopropyltoluene	U			0.0932	0.200	1	05/13/2022 00:31 WG1862853
2-Butanone (MEK)	U			0.500	1.00	1	05/13/2022 00:31 WG1862853
Methylene Chloride	U			0.265	1.00	1	05/13/2022 00:31 WG1862853
4-Methyl-2-pentanone (MIBK)	U		J4	0.400	1.00	1	05/13/2022 00:31 WG1862853
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/13/2022 00:31 WG1862853
Naphthalene	U	UJ	C3	0.124	0.500	1	05/13/2022 00:31 WG1862853
n-Propylbenzene	U			0.0472	0.200	1	05/13/2022 00:31 WG1862853
Styrene	U			0.109	0.500	1	05/13/2022 00:31 WG1862853
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/13/2022 00:31 WG1862853
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/13/2022 00:31 WG1862853
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/13/2022 00:31 WG1862853
Tetrachloroethene	U			0.0280	0.100	1	05/13/2022 00:31 WG1862853
Toluene	U			0.0500	0.200	1	05/13/2022 00:31 WG1862853
1,2,3-Trichlorobenzene	U	UJ	C3	0.0250	0.500	1	05/13/2022 00:31 WG1862853
1,2,4-Trichlorobenzene	U			0.193	0.500	1	05/13/2022 00:31 WG1862853
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/13/2022 00:31 WG1862853

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Trichloroethene	0.247		0.0160	0.0400	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:31	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:31	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:31	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:31	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Vinyl chloride	0.346		0.0273	0.100	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:31	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 00:31	<a href="#">WG1862853</a>
(S) Toluene-d8	102			75.0-131		05/13/2022 00:31	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	92.8			67.0-138		05/13/2022 00:31	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/13/2022 00:31	<a href="#">WG1862853</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.26	J+ C5 J4	0.548	1.00	1	05/13/2022 00:50	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 00:50	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 00:50	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 00:50	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 00:50	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 00:50	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 00:50	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 00:50	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 00:50	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 00:50	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 00:50	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 00:50	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 00:50	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 00:50	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 00:50	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 00:50	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 00:50	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dibromo-3-Chloropropane	U	J5	0.204	1.00	1	05/13/2022 00:50	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 00:50	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 00:50	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 00:50	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 00:50	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 00:50	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 00:50	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 00:50	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 00:50	WG1862853
cis-1,2-Dichloroethene	97.3		0.0276	0.100	1	05/13/2022 00:50	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 00:50	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 00:50	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 00:50	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 00:50	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 00:50	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 00:50	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 00:50	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 00:50	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 00:50	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 00:50	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 00:50	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 00:50	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 00:50	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 00:50	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 00:50	WG1862853
Naphthalene	U	UJ C3	0.124	0.500	1	05/13/2022 00:50	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 00:50	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 00:50	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 00:50	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 00:50	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 00:50	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 00:50	WG1862853
Toluene	U		0.0500	0.200	1	05/13/2022 00:50	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 00:50	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 00:50	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 00:50	WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Trichloroethene	0.404		0.0160	0.0400	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:50	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:50	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:50	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:50	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Vinyl chloride	50.3		0.0273	0.100	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Xylenes, Total	0.195	<u>J</u>	0.191	0.260	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:50	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 00:50	<a href="#">WG1862853</a>
(S) Toluene-d8	104			75.0-131		05/13/2022 00:50	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	96.1			67.0-138		05/13/2022 00:50	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 00:50	<a href="#">WG1862853</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2630	J	594	5000	1	05/28/2022 17:44	<a href="#">WG1869946</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1620	B	102	1000	1	05/28/2022 17:59	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3790		28.1	100	1	05/17/2022 21:48	<a href="#">WG1864824</a>
Manganese	195		0.704	5.00	1	05/17/2022 21:48	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	264		0.287	0.678	1	05/18/2022 09:56	<a href="#">WG1865023</a>
Ethane	U		0.296	1.29	1	05/18/2022 09:56	<a href="#">WG1865023</a>
Ethene	U		0.422	1.27	1	05/18/2022 09:56	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.02	J+ C5 J4	0.548	1.00	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Benzene	U		0.0160	0.0400	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Bromoform	U		0.239	1.00	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Bromomethane	U		0.148	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Chloroform	U		0.0166	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:09	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/13/2022 01:09	<a href="#">WG1862853</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:09	<a href="#">WG1862853</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 01:09	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:09	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:09	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:09	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:09	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:09	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 01:09	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:09	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 01:09	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 01:09	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 01:09	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:09	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/13/2022 01:09	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:09	WG1862853
Naphthalene	U	UJ C3	0.124	0.500	1	05/13/2022 01:09	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 01:09	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 01:09	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:09	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:09	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:09	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 01:09	WG1862853
Toluene	0.528		0.0500	0.200	1	05/13/2022 01:09	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 01:09	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:09	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:09	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:09	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 01:09	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:09	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:09	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 01:09	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 01:09	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 01:09	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/13/2022 01:09	WG1862853
Xylenes, Total	0.439		0.191	0.260	1	05/13/2022 01:09	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:09	WG1862853
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 01:09	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 01:09	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:09	WG1862853
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 01:09	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 01:09	WG1862853
(S) 4-Bromofluorobenzene	93.9			67.0-138		05/13/2022 01:09	WG1862853
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 01:09	WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	41900		594	5000	1	05/28/2022 17:56	<a href="#">WG1869946</a>

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3050	<del>B</del>	102	1000	1	05/28/2022 18:54	<a href="#">WG1870724</a>

3 Ss

4 Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	958		28.1	100	1	05/17/2022 21:52	<a href="#">WG1864824</a>
Manganese	859		0.704	5.00	1	05/17/2022 21:52	<a href="#">WG1864824</a>

5 Sr

6 Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	799		0.287	0.678	1	05/18/2022 10:00	<a href="#">WG1865023</a>
Ethane	1.32		0.296	1.29	1	05/18/2022 10:00	<a href="#">WG1865023</a>
Ethene	9.09		0.422	1.27	1	05/18/2022 10:00	<a href="#">WG1865023</a>

7 Gl

8 Al

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	4.63	J+	<a href="#">C5 J4</a>	0.548	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Benzene	U		0.0160	0.0400	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Bromoform	U		0.239	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Bromomethane	U		0.148	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Chloroform	U		0.0166	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U		<a href="#">J3</a>	0.204	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	6.40		0.0276	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>	

9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
4-Methyl-2-pentanone (MIBK)	U	<del>L4</del>	0.400	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Naphthalene	U	UJ C3	0.124	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Styrene	U		0.109	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Toluene	0.527		0.0500	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Vinyl chloride	23.3		0.0273	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Xylenes, Total	0.338		0.191	0.260	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:29	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 01:29	<a href="#">WG1862853</a>
(S) Toluene-d8	105			75.0-131		05/13/2022 01:29	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/13/2022 01:29	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 01:29	<a href="#">WG1862853</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	05/28/2022 18:09	<a href="#">WG1869946</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	61200		102	1000	1	05/28/2022 19:18	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19200		28.1	100	1	05/17/2022 22:03	<a href="#">WG1864824</a>
Manganese	3120		0.704	5.00	1	05/17/2022 22:03	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19900		2.87	6.78	10	05/18/2022 15:29	<a href="#">WG1865716</a>
Ethane	294		0.296	1.29	1	05/18/2022 10:24	<a href="#">WG1865023</a>
Ethene	3400		0.422	1.27	1	05/18/2022 10:24	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	19.1	J+	<a href="#">C5 J4</a>	0.548	1.00	1	05/13/2022 01:48	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Benzene	0.332		0.0160	0.0400	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Bromoform	U		0.239	1.00	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Bromomethane	U		0.148	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
n-Butylbenzene	0.221	J	0.153	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
sec-Butylbenzene	0.139	J	0.101	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Chloroform	U		0.0166	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,1-Dichloroethene	67.3		0.0200	0.100	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	38200		27.6	100	1000	05/17/2022 23:46	<a href="#">WG1865194</a>	
trans-1,2-Dichloroethene	91.0		0.0572	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:48	<a href="#">WG1862853</a>	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 01:48	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:48	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:48	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:48	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:48	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:48	WG1862853
Ethylbenzene	0.479		0.0212	0.100	1	05/13/2022 01:48	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:48	WG1862853
Isopropylbenzene	0.0930	<del>U</del>	0.0345	0.100	1	05/13/2022 01:48	WG1862853
p-Isopropyltoluene	0.177	<del>U</del>	0.0932	0.200	1	05/13/2022 01:48	WG1862853
2-Butanone (MEK)	5.46	J+ C5	0.500	1.00	1	05/13/2022 01:48	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:48	WG1862853
4-Methyl-2-pentanone (MIBK)	1.14	J+ C5 J4	0.400	1.00	1	05/13/2022 01:48	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:48	WG1862853
Naphthalene	1.50	J- C3	0.124	0.500	1	05/13/2022 01:48	WG1862853
n-Propylbenzene	0.230		0.0472	0.200	1	05/13/2022 01:48	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 01:48	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:48	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:48	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:48	WG1862853
Tetrachloroethene	789		5.60	20.0	200	05/17/2022 01:15	WG1864055
Toluene	1.07		0.0500	0.200	1	05/13/2022 01:48	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 01:48	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:48	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:48	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:48	WG1862853
Trichloroethene	840		3.20	8.00	200	05/17/2022 01:15	WG1864055
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:48	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:48	WG1862853
1,2,4-Trimethylbenzene	3.34		0.0464	0.200	1	05/13/2022 01:48	WG1862853
1,2,3-Trimethylbenzene	2.16		0.0460	0.200	1	05/13/2022 01:48	WG1862853
1,3,5-Trimethylbenzene	0.680		0.0432	0.200	1	05/13/2022 01:48	WG1862853
Vinyl chloride	26100		27.3	100	1000	05/17/2022 23:46	WG1865194
Xylenes, Total	2.80		0.191	0.260	1	05/13/2022 01:48	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:48	WG1862853
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 01:48	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 01:48	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:48	WG1862853
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 01:48	WG1862853
(S) Toluene-d8	101			75.0-131		05/13/2022 01:48	WG1862853
(S) Toluene-d8	91.7			75.0-131		05/17/2022 01:15	WG1864055
(S) Toluene-d8	90.5			75.0-131		05/17/2022 23:46	WG1865194
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/13/2022 01:48	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 01:15	WG1864055
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 23:46	WG1865194
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/13/2022 01:48	WG1862853
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/17/2022 01:15	WG1864055
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/17/2022 23:46	WG1865194

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	29900		594	5000	1	05/28/2022 18:46	<a href="#">WG1869946</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	11100		102	1000	1	05/28/2022 20:03	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1140		28.1	100	1	05/17/2022 22:06	<a href="#">WG1864824</a>
Manganese	3500		0.704	5.00	1	05/17/2022 22:06	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1610		0.287	0.678	1	05/18/2022 10:27	<a href="#">WG1865023</a>
Ethane	4.63		0.296	1.29	1	05/18/2022 10:27	<a href="#">WG1865023</a>
Ethene	6.02		0.422	1.27	1	05/18/2022 10:27	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.35		0.548	1.00	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Benzene	U		0.0160	0.0400	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Bromomethane	U		0.148	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Chloroethane	4.21		0.0432	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Chloroform	U		0.0166	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:03	<a href="#">WG1864608</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,1-Dichloroethene	15.3		0.0200	0.100	1	05/17/2022 05:03	<a href="#">WG1864608</a>
cis-1,2-Dichloroethene	253		0.276	1.00	10	05/19/2022 15:07	<a href="#">WG1865976</a>
trans-1,2-Dichloroethene	5.55		0.0572	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:03	<a href="#">WG1864608</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/6/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 05:03	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:03	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:03	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:03	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:03	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:03	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:03	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:03	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:03	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:03	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:03	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:03	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:03	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:03	WG1864608
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2022 05:03	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:03	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:03	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:03	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:03	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:03	WG1864608
Tetrachloroethene	296		0.280	1.00	10	05/19/2022 15:07	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 05:03	WG1864608
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/17/2022 05:03	WG1864608
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/17/2022 05:03	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:03	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:03	WG1864608
Trichloroethene	216		0.160	0.400	10	05/19/2022 15:07	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:03	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:03	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:03	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:03	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:03	WG1864608
Vinyl chloride	36.0		0.0273	0.100	1	05/17/2022 05:03	WG1864608
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:03	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:03	WG1864608
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2022 05:03	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:03	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:03	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:03	WG1864608
(S) Toluene-d8	90.6			75.0-131		05/17/2022 05:03	WG1864608
(S) Toluene-d8	108			75.0-131		05/19/2022 15:07	WG1865976
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 05:03	WG1864608
(S) 4-Bromofluorobenzene	98.2			67.0-138		05/19/2022 15:07	WG1865976
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 05:03	WG1864608
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/19/2022 15:07	WG1865976

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	05/28/2022 18:29	<a href="#">WG1871125</a>

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	33300		102	1000	1	05/28/2022 21:05	<a href="#">WG1870724</a>

3 Ss

4 Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10600		28.1	100	1	05/17/2022 22:10	<a href="#">WG1864824</a>
Manganese	1590		0.704	5.00	1	05/17/2022 22:10	<a href="#">WG1864824</a>

5 Sr

6 Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18500		2.87	6.78	10	05/18/2022 15:31	<a href="#">WG1865716</a>
Ethane	200		0.296	1.29	1	05/18/2022 10:30	<a href="#">WG1865023</a>
Ethene	4270		0.422	1.27	1	05/18/2022 10:30	<a href="#">WG1865023</a>

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	16.4		5.48	10.0	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.760	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Benzene	U		0.160	0.400	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Bromobenzene	U		0.420	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.315	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	2.39	10.0	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Bromomethane	U		1.48	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
n-Butylbenzene	U		1.53	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
sec-Butylbenzene	U		1.01	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.620	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.432	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Chlorobenzene	U		0.229	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.180	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Chloroethane	U		0.432	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Chloroform	U		0.166	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Chloromethane	U		0.556	5.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
2-Chlorotoluene	U		0.368	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
4-Chlorotoluene	U		0.452	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Dibromomethane	U		0.400	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,1-Dichloroethene	6.12		0.200	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
cis-1,2-Dichloroethene	723		0.276	1.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
trans-1,2-Dichloroethene	34.1		0.572	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2022 08:12	<a href="#">WG1864608</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.280	1.00	10	05/17/2022 08:12	WG1864608
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2022 08:12	WG1864608
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2022 08:12	WG1864608
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2022 08:12	WG1864608
2,2-Dichloropropane	U	<del>L4</del>	0.317	1.00	10	05/17/2022 08:12	WG1864608
Di-isopropyl ether	U		0.140	0.400	10	05/17/2022 08:12	WG1864608
Ethylbenzene	U		0.212	1.00	10	05/17/2022 08:12	WG1864608
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2022 08:12	WG1864608
Isopropylbenzene	U		0.345	1.00	10	05/17/2022 08:12	WG1864608
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2022 08:12	WG1864608
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2022 08:12	WG1864608
Methylene Chloride	U		2.65	10.0	10	05/17/2022 08:12	WG1864608
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2022 08:12	WG1864608
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2022 08:12	WG1864608
Naphthalene	U	UJ C3	1.24	5.00	10	05/17/2022 08:12	WG1864608
n-Propylbenzene	U		0.472	2.00	10	05/17/2022 08:12	WG1864608
Styrene	U		1.09	5.00	10	05/17/2022 08:12	WG1864608
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2022 08:12	WG1864608
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2022 08:12	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2022 08:12	WG1864608
Tetrachloroethene	5.29		0.280	1.00	10	05/17/2022 08:12	WG1864608
Toluene	U		0.500	2.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.250	5.00	10	05/17/2022 08:12	WG1864608
1,2,4-Trichlorobenzene	U	UJ C4	1.93	5.00	10	05/17/2022 08:12	WG1864608
1,1,1-Trichloroethane	U	<del>J4</del>	0.110	1.00	10	05/17/2022 08:12	WG1864608
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2022 08:12	WG1864608
Trichloroethene	2.26		0.160	0.400	10	05/17/2022 08:12	WG1864608
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2022 08:12	WG1864608
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2022 08:12	WG1864608
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2022 08:12	WG1864608
Vinyl chloride	10200		5.46	20.0	200	05/19/2022 15:26	WG1865976
Xylenes, Total	U		1.91	2.60	10	05/17/2022 08:12	WG1864608
Ethyl Ether	U		0.170	1.00	10	05/17/2022 08:12	WG1864608
Tetrahydrofuran	1.48	U	0.900	5.00	10	05/17/2022 08:12	WG1864608
Iodomethane	U		2.42	5.00	10	05/17/2022 08:12	WG1864608
Allyl chloride	U		5.80	10.0	10	05/17/2022 08:12	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2022 08:12	WG1864608
(S) Toluene-d8	91.0			75.0-131		05/17/2022 08:12	WG1864608
(S) Toluene-d8	105			75.0-131		05/19/2022 15:26	WG1865976
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 08:12	WG1864608
(S) 4-Bromofluorobenzene	101			67.0-138		05/19/2022 15:26	WG1865976
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 08:12	WG1864608
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		05/19/2022 15:26	WG1865976

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	21600		594	5000	1	05/28/2022 18:42	<a href="#">WG1871125</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	12100		102	1000	1	05/28/2022 21:23	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

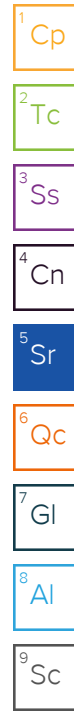
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3040		28.1	100	1	05/17/2022 22:13	<a href="#">WG1864824</a>
Manganese	1480		0.704	5.00	1	05/17/2022 22:13	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23600		2.87	6.78	10	05/18/2022 15:36	<a href="#">WG1865716</a>
Ethane	7.83		0.296	1.29	1	05/18/2022 10:38	<a href="#">WG1865023</a>
Ethene	386		0.422	1.27	1	05/18/2022 10:38	<a href="#">WG1865023</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.14		0.548	1.00	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Benzene	0.0360	J	0.0160	0.0400	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Bromomethane	U		0.148	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Chloroethane	U		0.0432	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Chloroform	U		0.0166	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:22	<a href="#">WG1864608</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,1-Dichloroethene	14.5		0.0200	0.100	1	05/17/2022 05:22	<a href="#">WG1864608</a>
cis-1,2-Dichloroethene	3940		2.76	10.0	100	05/19/2022 15:45	<a href="#">WG1865976</a>
trans-1,2-Dichloroethene	7.82		0.0572	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:22	<a href="#">WG1864608</a>



JC 7/6/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 05:22	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:22	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:22	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:22	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:22	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:22	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:22	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:22	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:22	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:22	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:22	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:22	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:22	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:22	WG1864608
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2022 05:22	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:22	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:22	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:22	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:22	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:22	WG1864608
Tetrachloroethene	U		2.80	10.0	100	05/19/2022 15:45	WG1865976
Toluene	0.112	J	0.0500	0.200	1	05/17/2022 05:22	WG1864608
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/17/2022 05:22	WG1864608
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/17/2022 05:22	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:22	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:22	WG1864608
Trichloroethene	18.0		0.0160	0.0400	1	05/17/2022 05:22	WG1864608
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:22	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:22	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:22	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:22	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:22	WG1864608
Vinyl chloride	4350		2.73	10.0	100	05/19/2022 15:45	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:22	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:22	WG1864608
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2022 05:22	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:22	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:22	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:22	WG1864608
(S) Toluene-d8	90.1			75.0-131		05/17/2022 05:22	WG1864608
(S) Toluene-d8	104			75.0-131		05/19/2022 15:45	WG1865976
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 05:22	WG1864608
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 15:45	WG1865976
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 05:22	WG1864608
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/19/2022 15:45	WG1865976

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Benzene	U		0.0160	0.0400	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Bromobenzene	U		0.0420	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Bromoform	U		0.239	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Bromomethane	U		0.148	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Chloroethane	U		0.0432	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Chloroform	U		0.0166	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Chloromethane	U		0.0556	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Dibromomethane	U		0.0400	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	6.59		0.0276	0.100	1	05/17/2022 23:27	<a href="#">WG1865194</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Methylene Chloride	U		0.265	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Styrene	U		0.109	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Tetrachloroethene	0.200		0.0280	0.100	1	05/17/2022 01:34	<a href="#">WG1864055</a>
Toluene	U		0.0500	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2,3-Trichlorobenzene	U	UJ <del>C3</del>	0.0250	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Trichloroethene	0.860		0.0160	0.0400	1	05/17/2022 01:34	<a href="#">WG1864055</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Vinyl chloride	0.164		0.0273	0.100	1	05/17/2022 23:27	<a href="#">WG1865194</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:07	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 02:07	<a href="#">WG1862853</a>
(S) Toluene-d8	102			75.0-131		05/13/2022 02:07	<a href="#">WG1862853</a>
(S) Toluene-d8	91.8			75.0-131		05/17/2022 01:34	<a href="#">WG1864055</a>
(S) Toluene-d8	91.4			75.0-131		05/17/2022 23:27	<a href="#">WG1865194</a>
(S) 4-Bromofluorobenzene	90.9			67.0-138		05/13/2022 02:07	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 01:34	<a href="#">WG1864055</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 23:27	<a href="#">WG1865194</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 02:07	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 01:34	<a href="#">WG1864055</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 23:27	<a href="#">WG1865194</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	<del>J4</del>	0.548	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Benzene	U		0.0160	0.0400	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Bromobenzene	U		0.0420	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Bromoform	U		0.239	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Bromomethane	U		0.148	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Chloroethane	U		0.0432	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Chloroform	U		0.0166	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Chloromethane	U		0.0556	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	<del>J3</del>	0.204	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Dibromomethane	U		0.0400	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	1.10		0.0276	0.100	1	05/17/2022 23:09	<a href="#">WG1865194</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Methylene Chloride	U		0.265	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	0.400	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Naphthalene	U	UJ <del>C3</del>	0.124	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Styrene	U		0.109	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Tetrachloroethene	U		0.0280	0.100	1	05/17/2022 01:53	<a href="#">WG1864055</a>
Toluene	U		0.0500	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2,3-Trichlorobenzene	U	UJ <del>C3</del>	0.0250	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 01:53	<a href="#">WG1864055</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:27	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>d3</del>	0.0560	0.200	1	05/13/2022 02:27	<a href="#">WG1862853</a>
(S) Toluene-d8	105			75.0-131		05/13/2022 02:27	<a href="#">WG1862853</a>
(S) Toluene-d8	91.6			75.0-131		05/17/2022 01:53	<a href="#">WG1864055</a>
(S) Toluene-d8	89.4			75.0-131		05/17/2022 23:09	<a href="#">WG1865194</a>
(S) 4-Bromofluorobenzene	91.6			67.0-138		05/13/2022 02:27	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 01:53	<a href="#">WG1864055</a>
(S) 4-Bromofluorobenzene	101			67.0-138		05/17/2022 23:09	<a href="#">WG1865194</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 02:27	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 01:53	<a href="#">WG1864055</a>
(S) 1,2-Dichloroethane-d4	117			70.0-130		05/17/2022 23:09	<a href="#">WG1865194</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

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Qc

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Gl

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Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.75	J+	C5 J4	0.548	1.00	1	05/13/2022 02:46 WG1862853
Acrylonitrile	U			0.0760	0.500	1	05/13/2022 02:46 WG1862853
Benzene	U			0.0160	0.0400	1	05/13/2022 02:46 WG1862853
Bromobenzene	U			0.0420	0.500	1	05/13/2022 02:46 WG1862853
Bromodichloromethane	U			0.0315	0.100	1	05/13/2022 02:46 WG1862853
Bromoform	U			0.239	1.00	1	05/13/2022 02:46 WG1862853
Bromomethane	U			0.148	0.500	1	05/13/2022 02:46 WG1862853
n-Butylbenzene	U			0.153	0.500	1	05/13/2022 02:46 WG1862853
sec-Butylbenzene	U			0.101	0.500	1	05/13/2022 02:46 WG1862853
tert-Butylbenzene	U			0.0620	0.200	1	05/13/2022 02:46 WG1862853
Carbon tetrachloride	U			0.0432	0.200	1	05/13/2022 02:46 WG1862853
Chlorobenzene	U			0.0229	0.100	1	05/13/2022 02:46 WG1862853
Chlorodibromomethane	U			0.0180	0.100	1	05/13/2022 02:46 WG1862853
Chloroethane	U			0.0432	0.200	1	05/13/2022 02:46 WG1862853
Chloroform	U			0.0166	0.100	1	05/13/2022 02:46 WG1862853
Chloromethane	U			0.0556	0.500	1	05/13/2022 02:46 WG1862853
2-Chlorotoluene	U			0.0368	0.100	1	05/13/2022 02:46 WG1862853
4-Chlorotoluene	U			0.0452	0.200	1	05/13/2022 02:46 WG1862853
1,2-Dibromo-3-Chloropropane	U		J3	0.204	1.00	1	05/13/2022 02:46 WG1862853
1,2-Dibromoethane	U			0.0210	0.100	1	05/13/2022 02:46 WG1862853
Dibromomethane	U			0.0400	0.200	1	05/13/2022 02:46 WG1862853
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/13/2022 02:46 WG1862853
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/13/2022 02:46 WG1862853
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/13/2022 02:46 WG1862853
Dichlorodifluoromethane	U			0.0327	0.100	1	05/13/2022 02:46 WG1862853
1,1-Dichloroethane	U			0.0230	0.100	1	05/13/2022 02:46 WG1862853
1,2-Dichloroethane	U			0.0190	0.100	1	05/13/2022 02:46 WG1862853
1,1-Dichloroethene	U			0.0200	0.100	1	05/13/2022 02:46 WG1862853
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/17/2022 02:12 WG1864055
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/13/2022 02:46 WG1862853
1,2-Dichloropropane	U			0.0508	0.200	1	05/13/2022 02:46 WG1862853
1,1-Dichloropropene	U			0.0280	0.100	1	05/13/2022 02:46 WG1862853
1,3-Dichloropropane	U			0.0700	0.200	1	05/13/2022 02:46 WG1862853
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/13/2022 02:46 WG1862853
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/13/2022 02:46 WG1862853
2,2-Dichloropropane	U			0.0317	0.100	1	05/13/2022 02:46 WG1862853
Di-isopropyl ether	U			0.0140	0.0400	1	05/13/2022 02:46 WG1862853
Ethylbenzene	U			0.0212	0.100	1	05/13/2022 02:46 WG1862853
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/13/2022 02:46 WG1862853
Isopropylbenzene	U			0.0345	0.100	1	05/13/2022 02:46 WG1862853
p-Isopropyltoluene	U			0.0932	0.200	1	05/13/2022 02:46 WG1862853
2-Butanone (MEK)	U			0.500	1.00	1	05/13/2022 02:46 WG1862853
Methylene Chloride	U			0.265	1.00	1	05/13/2022 02:46 WG1862853
4-Methyl-2-pentanone (MIBK)	U		J4	0.400	1.00	1	05/13/2022 02:46 WG1862853
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/13/2022 02:46 WG1862853
Naphthalene	U		UJ C3	0.124	0.500	1	05/13/2022 02:46 WG1862853
n-Propylbenzene	U			0.0472	0.200	1	05/13/2022 02:46 WG1862853
Styrene	U			0.109	0.500	1	05/13/2022 02:46 WG1862853
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/13/2022 02:46 WG1862853
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/13/2022 02:46 WG1862853
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/13/2022 02:46 WG1862853
Tetrachloroethene	U			0.0280	0.100	1	05/13/2022 02:46 WG1862853
Toluene	0.0560		J	0.0500	0.200	1	05/13/2022 02:46 WG1862853
1,2,3-Trichlorobenzene	U		UJ C3	0.0250	0.500	1	05/13/2022 02:46 WG1862853
1,2,4-Trichlorobenzene	U			0.193	0.500	1	05/13/2022 02:46 WG1862853
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/13/2022 02:46 WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:46	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:46	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:46	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:46	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 02:12	<a href="#">WG1864055</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:46	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 02:46	<a href="#">WG1862853</a>
(S) Toluene-d8	104			75.0-131		05/13/2022 02:46	<a href="#">WG1862853</a>
(S) Toluene-d8	91.0			75.0-131		05/17/2022 02:12	<a href="#">WG1864055</a>
(S) 4-Bromofluorobenzene	94.5			67.0-138		05/13/2022 02:46	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 02:12	<a href="#">WG1864055</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 02:46	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 02:12	<a href="#">WG1864055</a>

1  
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	0.548	1.00	1	05/13/2022 03:05	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 03:05	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 03:05	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 03:05	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 03:05	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 03:05	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 03:05	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 03:05	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 03:05	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 03:05	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 03:05	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 03:05	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 03:05	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 03:05	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 03:05	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 03:05	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 03:05	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 03:05	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 03:05	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 03:05	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 03:05	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 03:05	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 03:05	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 03:05	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 03:05	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 03:05	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2022 02:31	WG1864055
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 03:05	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 03:05	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 03:05	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 03:05	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 03:05	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 03:05	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 03:05	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 03:05	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 03:05	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 03:05	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 03:05	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 03:05	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 03:05	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 03:05	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 03:05	WG1862853
Naphthalene	U	UJ C3	0.124	0.500	1	05/13/2022 03:05	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 03:05	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 03:05	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 03:05	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 03:05	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 03:05	WG1862853
Tetrachloroethene	0.0340	J	0.0280	0.100	1	05/17/2022 02:31	WG1864055
Toluene	U		0.0500	0.200	1	05/13/2022 03:05	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 03:05	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 03:05	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 03:05	WG1862853

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 03:05	<a href="#">WG1862853</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 03:05	<a href="#">WG1862853</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 03:05	<a href="#">WG1862853</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 03:05	<a href="#">WG1862853</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 02:31	<a href="#">WG1864055</a>
Xylenes, Total	U		0.191	0.260	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Tetrahydrofuran	U	<del>J4</del>	0.0900	0.500	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Iodomethane	U		0.242	0.500	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Allyl chloride	U		0.580	1.00	1	05/13/2022 03:05	<a href="#">WG1862853</a>
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	05/13/2022 03:05	<a href="#">WG1862853</a>
(S) Toluene-d8	102			75.0-131		05/13/2022 03:05	<a href="#">WG1862853</a>
(S) Toluene-d8	90.6			75.0-131		05/17/2022 02:31	<a href="#">WG1864055</a>
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/13/2022 03:05	<a href="#">WG1862853</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 02:31	<a href="#">WG1864055</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 03:05	<a href="#">WG1862853</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 02:31	<a href="#">WG1864055</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	811	J	594	5000	1	05/29/2022 18:11	<a href="#">WG1871277</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	24800		102	1000	1	05/28/2022 23:39	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13700		28.1	100	1	05/17/2022 22:19	<a href="#">WG1864824</a>
Manganese	2280		0.704	5.00	1	05/17/2022 22:19	<a href="#">WG1864824</a>

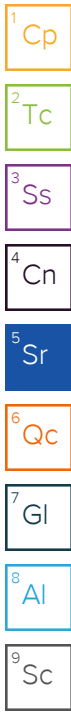
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6350	J	0.287	0.678	1	05/18/2022 13:04	<a href="#">WG1865025</a>
Ethane	118		0.296	1.29	1	05/18/2022 13:04	<a href="#">WG1865025</a>
Ethene	296		0.422	1.27	1	05/18/2022 13:04	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	13.0	J+	<a href="#">C5 J4</a>	0.548	1.00	1	05/13/2022 03:24	<a href="#">WG1862853</a>
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Benzene	0.296		0.0160	0.0400	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Bromobenzene	U		0.0420	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Bromoform	U		0.239	1.00	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Bromomethane	U		0.148	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Chloroethane	U		0.0432	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Chloroform	U		0.0166	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Chloromethane	U		0.0556	0.500	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U	<del>J</del>	0.204	1.00	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Dibromomethane	U		0.0400	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,1-Dichloroethene	8.47		0.0200	0.100	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	6310		2.76	10.0	100	05/17/2022 02:50	<a href="#">WG1864055</a>	
trans-1,2-Dichloroethene	44.6		0.0572	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 03:24	<a href="#">WG1862853</a>	

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 03:24	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 03:24	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 03:24	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 03:24	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 03:24	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 03:24	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 03:24	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 03:24	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 03:24	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 03:24	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 03:24	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 03:24	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 03:24	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 03:24	WG1862853
Naphthalene	U	UJ C3	0.124	0.500	1	05/13/2022 03:24	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 03:24	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 03:24	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 03:24	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 03:24	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 03:24	WG1862853
Tetrachloroethene	50.8	J+ C5	0.0280	0.100	1	05/13/2022 03:24	WG1862853
Toluene	1.27		0.0500	0.200	1	05/13/2022 03:24	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/13/2022 03:24	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 03:24	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 03:24	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 03:24	WG1862853
Trichloroethene	38.9		0.0160	0.0400	1	05/13/2022 03:24	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 03:24	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 03:24	WG1862853
1,2,4-Trimethylbenzene	0.222		0.0464	0.200	1	05/13/2022 03:24	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 03:24	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 03:24	WG1862853
Vinyl chloride	3180		2.73	10.0	100	05/17/2022 02:50	WG1864055
Xylenes, Total	0.246	J	0.191	0.260	1	05/13/2022 03:24	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 03:24	WG1862853
Tetrahydrofuran	7.07	J+ C5 J4	0.0900	0.500	1	05/13/2022 03:24	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 03:24	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 03:24	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 03:24	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 03:24	WG1862853
(S) Toluene-d8	91.4			75.0-131		05/17/2022 02:50	WG1864055
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/13/2022 03:24	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 02:50	WG1864055
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 03:24	WG1862853
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/17/2022 02:50	WG1864055

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	701	J	594	5000	1	05/29/2022 19:01	<a href="#">WG1871277</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	22500		102	1000	1	05/29/2022 00:39	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	14100		28.1	100	1	05/17/2022 22:23	<a href="#">WG1864824</a>
Manganese	2670		0.704	5.00	1	05/17/2022 22:23	<a href="#">WG1864824</a>

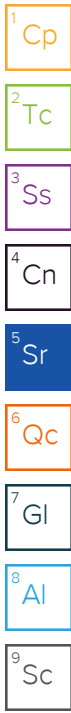
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4030		0.287	0.678	1	05/18/2022 13:09	<a href="#">WG1865025</a>
Ethane	4.59		0.296	1.29	1	05/18/2022 13:09	<a href="#">WG1865025</a>
Ethene	63.9		0.422	1.27	1	05/18/2022 13:09	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	24.0		5.48	10.0	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Acrylonitrile	U	UJ C3	0.760	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Benzene	U		0.160	0.400	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Bromobenzene	U		0.420	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Bromodichloromethane	U		0.315	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Bromoform	U	UJ C3	2.39	10.0	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Bromomethane	U		1.48	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
n-Butylbenzene	U		1.53	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
sec-Butylbenzene	U		1.01	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
tert-Butylbenzene	U		0.620	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Carbon tetrachloride	U		0.432	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Chlorobenzene	U		0.229	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Chlorodibromomethane	U		0.180	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Chloroethane	57.6		0.432	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Chloroform	U		0.166	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Chloromethane	U		0.556	5.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
2-Chlorotoluene	U		0.368	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
4-Chlorotoluene	U		0.452	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Dibromomethane	U		0.400	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,1-Dichloroethene	2.78		0.200	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
cis-1,2-Dichloroethene	654		0.276	1.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
trans-1,2-Dichloroethene	5.71		0.572	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2022 03:09	<a href="#">WG1864055</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.280	1.00	10	05/17/2022 03:09	WG1864055
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2022 03:09	WG1864055
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2022 03:09	WG1864055
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2022 03:09	WG1864055
2,2-Dichloropropane	U	<del>J4</del>	0.317	1.00	10	05/17/2022 03:09	WG1864055
Di-isopropyl ether	U		0.140	0.400	10	05/17/2022 03:09	WG1864055
Ethylbenzene	U		0.212	1.00	10	05/17/2022 03:09	WG1864055
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2022 03:09	WG1864055
Isopropylbenzene	U		0.345	1.00	10	05/17/2022 03:09	WG1864055
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2022 03:09	WG1864055
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2022 03:09	WG1864055
Methylene Chloride	U		2.65	10.0	10	05/17/2022 03:09	WG1864055
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2022 03:09	WG1864055
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2022 03:09	WG1864055
Naphthalene	U	UJ C3	1.24	5.00	10	05/17/2022 03:09	WG1864055
n-Propylbenzene	U		0.472	2.00	10	05/17/2022 03:09	WG1864055
Styrene	U		1.09	5.00	10	05/17/2022 03:09	WG1864055
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2022 03:09	WG1864055
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2022 03:09	WG1864055
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2022 03:09	WG1864055
Tetrachloroethene	11.4		0.280	1.00	10	05/17/2022 03:09	WG1864055
Toluene	0.650	J	0.500	2.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.250	5.00	10	05/17/2022 03:09	WG1864055
1,2,4-Trichlorobenzene	U	UJ C4	1.93	5.00	10	05/17/2022 03:09	WG1864055
1,1,1-Trichloroethane	U	<del>J4</del>	0.110	1.00	10	05/17/2022 03:09	WG1864055
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2022 03:09	WG1864055
Trichloroethene	8.87		0.160	0.400	10	05/17/2022 03:09	WG1864055
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2022 03:09	WG1864055
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2022 03:09	WG1864055
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2022 03:09	WG1864055
Vinyl chloride	1940		1.36	5.00	50	05/13/2022 03:44	WG1862853
Xylenes, Total	U		1.91	2.60	10	05/17/2022 03:09	WG1864055
Ethyl Ether	U		0.170	1.00	10	05/17/2022 03:09	WG1864055
Tetrahydrofuran	U		0.900	5.00	10	05/17/2022 03:09	WG1864055
Iodomethane	U		2.42	5.00	10	05/17/2022 03:09	WG1864055
Allyl chloride	U		5.80	10.0	10	05/17/2022 03:09	WG1864055
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2022 03:09	WG1864055
(S) Toluene-d8	104			75.0-131		05/13/2022 03:44	WG1862853
(S) Toluene-d8	91.3			75.0-131		05/17/2022 03:09	WG1864055
(S) 4-Bromofluorobenzene	93.6			67.0-138		05/13/2022 03:44	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 03:09	WG1864055
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 03:44	WG1862853
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 03:09	WG1864055

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	864	J	594	5000	1	05/29/2022 19:13	<a href="#">WG1871277</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	24700		102	1000	1	05/29/2022 01:02	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13500		28.1	100	1	05/17/2022 22:26	<a href="#">WG1864824</a>
Manganese	2250		0.704	5.00	1	05/17/2022 22:26	<a href="#">WG1864824</a>

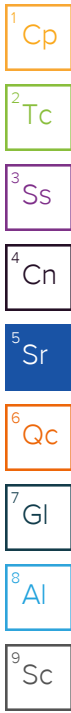
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11700	J	2.87	6.78	10	05/18/2022 15:40	<a href="#">WG1865716</a>
Ethane	150		0.296	1.29	1	05/18/2022 13:16	<a href="#">WG1865025</a>
Ethene	370		0.422	1.27	1	05/18/2022 13:16	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	241	J+	<a href="#">C5 J4</a>	27.4	50.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>
Acrylonitrile	U		3.80	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Benzene	U		0.800	2.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Bromobenzene	U		2.10	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Bromodichloromethane	U		1.58	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Bromoform	U		12.0	50.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Bromomethane	U		7.40	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
n-Butylbenzene	U		7.65	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
sec-Butylbenzene	U		5.05	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
tert-Butylbenzene	U		3.10	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Carbon tetrachloride	U		2.16	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Chlorobenzene	U		1.15	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Chlorodibromomethane	U		0.900	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Chloroethane	U		2.16	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Chloroform	U		0.830	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Chloromethane	U		2.78	25.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
2-Chlorotoluene	U		1.84	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
4-Chlorotoluene	U		2.26	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,2-Dibromo-3-Chloropropane	U		<a href="#">U3</a>	10.2	50.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		1.05	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Dibromomethane	U		2.00	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,2-Dichlorobenzene	U		2.90	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,3-Dichlorobenzene	U		3.40	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,4-Dichlorobenzene	U		3.94	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
Dichlorodifluoromethane	U		1.64	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,1-Dichloroethane	U		1.15	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,2-Dichloroethane	U		0.950	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,1-Dichloroethene	U		1.00	5.00	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
cis-1,2-Dichloroethene	5930		5.52	20.0	200	05/17/2022 03:28	<a href="#">WG1864055</a>	
trans-1,2-Dichloroethene	43.7		2.86	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	
1,2-Dichloropropane	U		2.54	10.0	50	05/13/2022 04:03	<a href="#">WG1862853</a>	

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		1.40	5.00	50	05/13/2022 04:03	WG1862853
1,3-Dichloropropane	U		3.50	10.0	50	05/13/2022 04:03	WG1862853
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/13/2022 04:03	WG1862853
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/13/2022 04:03	WG1862853
2,2-Dichloropropane	U		1.59	5.00	50	05/13/2022 04:03	WG1862853
Di-isopropyl ether	U		0.700	2.00	50	05/13/2022 04:03	WG1862853
Ethylbenzene	U		1.06	5.00	50	05/13/2022 04:03	WG1862853
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/13/2022 04:03	WG1862853
Isopropylbenzene	U		1.73	5.00	50	05/13/2022 04:03	WG1862853
p-Isopropyltoluene	U		4.66	10.0	50	05/13/2022 04:03	WG1862853
2-Butanone (MEK)	U		25.0	50.0	50	05/13/2022 04:03	WG1862853
Methylene Chloride	U		13.3	50.0	50	05/13/2022 04:03	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<del>J4</del>	20.0	50.0	50	05/13/2022 04:03	WG1862853
Methyl tert-butyl ether	U		0.590	2.00	50	05/13/2022 04:03	WG1862853
Naphthalene	U	UJ <u>C3</u>	6.20	25.0	50	05/13/2022 04:03	WG1862853
n-Propylbenzene	U		2.36	10.0	50	05/13/2022 04:03	WG1862853
Styrene	U		5.45	25.0	50	05/13/2022 04:03	WG1862853
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/13/2022 04:03	WG1862853
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	05/13/2022 04:03	WG1862853
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/13/2022 04:03	WG1862853
Tetrachloroethene	46.9	J+ <u>C5</u>	1.40	5.00	50	05/13/2022 04:03	WG1862853
Toluene	U		2.50	10.0	50	05/13/2022 04:03	WG1862853
1,2,3-Trichlorobenzene	U	UJ <u>C3</u>	1.25	25.0	50	05/13/2022 04:03	WG1862853
1,2,4-Trichlorobenzene	U		9.65	25.0	50	05/13/2022 04:03	WG1862853
1,1,1-Trichloroethane	U		0.550	5.00	50	05/13/2022 04:03	WG1862853
1,1,2-Trichloroethane	U		1.77	5.00	50	05/13/2022 04:03	WG1862853
Trichloroethene	31.7		0.800	2.00	50	05/13/2022 04:03	WG1862853
Trichlorofluoromethane	U		1.00	5.00	50	05/13/2022 04:03	WG1862853
1,2,3-Trichloropropane	U		10.2	25.0	50	05/13/2022 04:03	WG1862853
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/13/2022 04:03	WG1862853
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/13/2022 04:03	WG1862853
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/13/2022 04:03	WG1862853
Vinyl chloride	3230		1.36	5.00	50	05/13/2022 04:03	WG1862853
Xylenes, Total	U		9.55	13.0	50	05/13/2022 04:03	WG1862853
Ethyl Ether	U		0.850	5.00	50	05/13/2022 04:03	WG1862853
Tetrahydrofuran	U	<del>J4</del>	4.50	25.0	50	05/13/2022 04:03	WG1862853
Iodomethane	U		12.1	25.0	50	05/13/2022 04:03	WG1862853
Allyl chloride	U		29.0	50.0	50	05/13/2022 04:03	WG1862853
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	2.80	10.0	50	05/13/2022 04:03	WG1862853
(S) Toluene-d8	102			75.0-131		05/13/2022 04:03	WG1862853
(S) Toluene-d8	92.0			75.0-131		05/17/2022 03:28	WG1864055
(S) 4-Bromofluorobenzene	91.9			67.0-138		05/13/2022 04:03	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 03:28	WG1864055
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 04:03	WG1862853
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 03:28	WG1864055

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24500		594	5000	1	05/29/2022 19:26	<a href="#">WG1871277</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	27700		102	1000	1	05/29/2022 01:26	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	18700		28.1	100	1	05/17/2022 22:29	<a href="#">WG1864824</a>
Manganese	6080		0.704	5.00	1	05/17/2022 22:29	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12500		2.87	6.78	10	05/18/2022 15:43	<a href="#">WG1865716</a>
Ethane	28.1		0.296	1.29	1	05/18/2022 13:22	<a href="#">WG1865025</a>
Ethene	83.4		0.422	1.27	1	05/18/2022 13:22	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	63.0		13.7	25.0	25	05/17/2022 03:47	<a href="#">WG1864055</a>
Acrylonitrile	U		0.380	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Benzene	U		0.0800	0.200	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Bromobenzene	U		0.210	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Bromodichloromethane	U		0.158	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Bromoform	U		1.20	5.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Bromomethane	U		0.740	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
n-Butylbenzene	U		0.765	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
sec-Butylbenzene	U		0.505	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
tert-Butylbenzene	U		0.310	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Carbon tetrachloride	U		0.216	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Chlorobenzene	U		0.115	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Chlorodibromomethane	U		0.0900	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Chloroethane	U		0.216	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Chloroform	U		0.0830	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Chloromethane	U		0.278	2.50	5	05/13/2022 04:22	<a href="#">WG1862853</a>
2-Chlorotoluene	U		0.184	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
4-Chlorotoluene	U		0.226	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,2-Dibromo-3-Chloropropane	U	<del>U3</del>	1.02	5.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,2-Dibromoethane	U		0.105	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Dibromomethane	U		0.200	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,2-Dichlorobenzene	U		0.290	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,3-Dichlorobenzene	U		0.340	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,4-Dichlorobenzene	U		0.394	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
Dichlorodifluoromethane	U		0.164	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,1-Dichloroethane	U		0.115	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,2-Dichloroethane	U		0.0950	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,1-Dichloroethene	U		0.100	0.500	5	05/13/2022 04:22	<a href="#">WG1862853</a>
cis-1,2-Dichloroethene	556		0.690	2.50	25	05/17/2022 03:47	<a href="#">WG1864055</a>
trans-1,2-Dichloroethene	3.53		0.286	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>
1,2-Dichloropropane	U		0.254	1.00	5	05/13/2022 04:22	<a href="#">WG1862853</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.140	0.500	5	05/13/2022 04:22	WG1862853
1,3-Dichloropropane	U		0.350	1.00	5	05/13/2022 04:22	WG1862853
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/13/2022 04:22	WG1862853
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/13/2022 04:22	WG1862853
2,2-Dichloropropane	U		0.159	0.500	5	05/13/2022 04:22	WG1862853
Di-isopropyl ether	U		0.0700	0.200	5	05/13/2022 04:22	WG1862853
Ethylbenzene	U		0.106	0.500	5	05/13/2022 04:22	WG1862853
Hexachloro-1,3-butadiene	U		2.54	5.00	5	05/13/2022 04:22	WG1862853
Isopropylbenzene	U		0.173	0.500	5	05/13/2022 04:22	WG1862853
p-Isopropyltoluene	U		0.466	1.00	5	05/13/2022 04:22	WG1862853
2-Butanone (MEK)	U		2.50	5.00	5	05/13/2022 04:22	WG1862853
Methylene Chloride	U		1.33	5.00	5	05/13/2022 04:22	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	2.00	5.00	5	05/13/2022 04:22	WG1862853
Methyl tert-butyl ether	U		0.0590	0.200	5	05/13/2022 04:22	WG1862853
Naphthalene	U	UJ C3	0.620	2.50	5	05/13/2022 04:22	WG1862853
n-Propylbenzene	U		0.236	1.00	5	05/13/2022 04:22	WG1862853
Styrene	U		0.545	2.50	5	05/13/2022 04:22	WG1862853
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/13/2022 04:22	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/13/2022 04:22	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/13/2022 04:22	WG1862853
Tetrachloroethene	U		0.140	0.500	5	05/13/2022 04:22	WG1862853
Toluene	U		0.250	1.00	5	05/13/2022 04:22	WG1862853
1,2,3-Trichlorobenzene	U	UJ C3	0.125	2.50	5	05/13/2022 04:22	WG1862853
1,2,4-Trichlorobenzene	U		0.965	2.50	5	05/13/2022 04:22	WG1862853
1,1,1-Trichloroethane	U		0.0550	0.500	5	05/13/2022 04:22	WG1862853
1,1,2-Trichloroethane	U		0.177	0.500	5	05/13/2022 04:22	WG1862853
Trichloroethene	2.86		0.0800	0.200	5	05/13/2022 04:22	WG1862853
Trichlorofluoromethane	U		0.100	0.500	5	05/13/2022 04:22	WG1862853
1,2,3-Trichloropropane	U		1.02	2.50	5	05/13/2022 04:22	WG1862853
1,2,4-Trimethylbenzene	U		0.232	1.00	5	05/13/2022 04:22	WG1862853
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/13/2022 04:22	WG1862853
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/13/2022 04:22	WG1862853
Vinyl chloride	576		0.682	2.50	25	05/17/2022 03:47	WG1864055
Xylenes, Total	U		0.955	1.30	5	05/13/2022 04:22	WG1862853
Ethyl Ether	U		0.0850	0.500	5	05/13/2022 04:22	WG1862853
Tetrahydrofuran	U	J4	0.450	2.50	5	05/13/2022 04:22	WG1862853
Iodomethane	U		1.21	2.50	5	05/13/2022 04:22	WG1862853
Allyl chloride	U		2.90	5.00	5	05/13/2022 04:22	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.280	1.00	5	05/13/2022 04:22	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 04:22	WG1862853
(S) Toluene-d8	90.4			75.0-131		05/17/2022 03:47	WG1864055
(S) 4-Bromofluorobenzene	91.4			67.0-138		05/13/2022 04:22	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 03:47	WG1864055
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/13/2022 04:22	WG1862853
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/17/2022 03:47	WG1864055

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14600		594	5000	1	05/29/2022 19:38	<a href="#">WG1871277</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8840		102	1000	1	05/29/2022 01:44	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

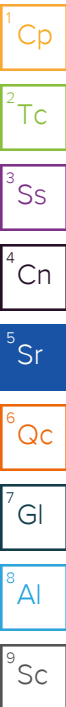
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5560		28.1	100	1	05/17/2022 22:53	<a href="#">WG1864824</a>
Manganese	782		0.704	5.00	1	05/17/2022 22:53	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9730		2.87	6.78	10	05/18/2022 15:54	<a href="#">WG1865716</a>
Ethane	148		0.296	1.29	1	05/18/2022 13:31	<a href="#">WG1865025</a>
Ethene	477		0.422	1.27	1	05/18/2022 13:31	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.10		0.548	1.00	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Benzene	0.250		0.0160	0.0400	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Bromomethane	U		0.148	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Chloroethane	34.4		0.0432	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Chloroform	U		0.0166	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:41	<a href="#">WG1864608</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,1-Dichloroethene	27.4		0.0200	0.100	1	05/17/2022 05:41	<a href="#">WG1864608</a>
cis-1,2-Dichloroethene	6410		5.52	20.0	200	05/19/2022 16:04	<a href="#">WG1865976</a>
trans-1,2-Dichloroethene	29.5		0.0572	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:41	<a href="#">WG1864608</a>



IC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 05:41	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:41	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:41	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:41	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:41	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:41	WG1864608
Ethylbenzene	0.0780	IJ	0.0212	0.100	1	05/17/2022 05:41	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:41	WG1864608
Isopropylbenzene	0.0390	IJ	0.0345	0.100	1	05/17/2022 05:41	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:41	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:41	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:41	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:41	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:41	WG1864608
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2022 05:41	WG1864608
n-Propylbenzene	0.126	IJ	0.0472	0.200	1	05/17/2022 05:41	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:41	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:41	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:41	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:41	WG1864608
Tetrachloroethene	7870		5.60	20.0	200	05/19/2022 16:04	WG1865976
Toluene	0.468		0.0500	0.200	1	05/17/2022 05:41	WG1864608
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/17/2022 05:41	WG1864608
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/17/2022 05:41	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:41	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:41	WG1864608
Trichloroethene	1460		3.20	8.00	200	05/19/2022 16:04	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:41	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:41	WG1864608
1,2,4-Trimethylbenzene	0.953		0.0464	0.200	1	05/17/2022 05:41	WG1864608
1,2,3-Trimethylbenzene	0.247		0.0460	0.200	1	05/17/2022 05:41	WG1864608
1,3,5-Trimethylbenzene	0.278		0.0432	0.200	1	05/17/2022 05:41	WG1864608
Vinyl chloride	2960		5.46	20.0	200	05/19/2022 16:04	WG1865976
Xylenes, Total	0.458		0.191	0.260	1	05/17/2022 05:41	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:41	WG1864608
Tetrahydrofuran	4.09		0.0900	0.500	1	05/17/2022 05:41	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:41	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:41	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:41	WG1864608
(S) Toluene-d8	90.3			75.0-131		05/17/2022 05:41	WG1864608
(S) Toluene-d8	104			75.0-131		05/19/2022 16:04	WG1865976
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2022 05:41	WG1864608
(S) 4-Bromofluorobenzene	101			67.0-138		05/19/2022 16:04	WG1865976
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 05:41	WG1864608
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/19/2022 16:04	WG1865976

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	152000		8450	20000	1	05/22/2022 09:13	<a href="#">WG1867545</a>

Sample Narrative:

L1492498-10 WG1867545: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	62400		379	1000	1	05/17/2022 18:08	<a href="#">WG1862761</a>
Nitrate	1230	J- T8	48.0	100	1	05/17/2022 18:08	<a href="#">WG1862761</a>
Sulfate	21300		594	5000	1	05/17/2022 18:08	<a href="#">WG1862761</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2760	B-	102	1000	1	05/29/2022 02:00	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2780		28.1	100	1	05/17/2022 22:56	<a href="#">WG1864824</a>
Manganese	197		0.704	5.00	1	05/17/2022 22:56	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/17/2022 19:39	<a href="#">WG1864798</a>
(S) a,a,a-Trifluorotoluene(FID)	98.8			78.0-120		05/17/2022 19:39	<a href="#">WG1864798</a>

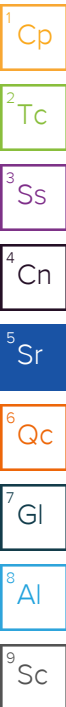
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	05/18/2022 13:44	<a href="#">WG1865025</a>
Ethane	U		0.296	1.29	1	05/18/2022 13:44	<a href="#">WG1865025</a>
Ethene	U		0.422	1.27	1	05/18/2022 13:44	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.43		0.548	1.00	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Benzene	U		0.0160	0.0400	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Bromomethane	U		0.148	0.500	1	05/17/2022 05:59	<a href="#">WG1864608</a>
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:59	<a href="#">WG1864608</a>
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:59	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:59	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:59	<a href="#">WG1864608</a>

JC 7/8/2022





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	05/17/2022 05:59	WG1864608
Chloroform	0.0810	<u>J</u>	0.0166	0.100	1	05/17/2022 05:59	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:59	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:59	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	05/17/2022 05:59	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:59	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:59	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:59	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:59	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:59	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:59	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:59	WG1864608
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
cis-1,2-Dichloroethene	0.0520	<u>J</u>	0.0276	0.100	1	05/19/2022 12:55	WG1865976
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:59	WG1864608
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 05:59	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:59	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:59	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:59	WG1864608
2,2-Dichloropropane	U	<del><u>J4</u></del>	0.0317	0.100	1	05/17/2022 05:59	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:59	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:59	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:59	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:59	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:59	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:59	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:59	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:59	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:59	WG1864608
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	05/17/2022 05:59	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:59	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:59	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:59	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:59	WG1864608
Tetrachloroethene	1.89		0.0280	0.100	1	05/19/2022 12:55	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 05:59	WG1864608
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4 J4</u>	0.0250	0.500	1	05/17/2022 05:59	WG1864608
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	05/17/2022 05:59	WG1864608
1,1,1-Trichloroethane	U	<del><u>J4</u></del>	0.0110	0.100	1	05/17/2022 05:59	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:59	WG1864608
Trichloroethene	0.121		0.0160	0.0400	1	05/19/2022 12:55	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:59	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:59	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:59	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:59	WG1864608
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 12:55	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:59	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:59	WG1864608
Tetrahydrofuran	0.465	<u>J</u>	0.0900	0.500	1	05/17/2022 05:59	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:59	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:59	WG1864608

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:59	<a href="#">WG1864608</a>
(S) Toluene-d8	91.3			75.0-131		05/17/2022 05:59	<a href="#">WG1864608</a>
(S) Toluene-d8	107			75.0-131		05/19/2022 12:55	<a href="#">WG1865976</a>
(S) 4-Bromofluorobenzene	109			67.0-138		05/17/2022 05:59	<a href="#">WG1864608</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/19/2022 12:55	<a href="#">WG1865976</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 05:59	<a href="#">WG1864608</a>
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		05/19/2022 12:55	<a href="#">WG1865976</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	158000		8450	20000	1	05/22/2022 09:17	<a href="#">WG1867545</a>

Sample Narrative:

L1492498-11 WG1867545: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	60000		379	1000	1	05/17/2022 18:39	<a href="#">WG1862761</a>
Nitrate	1180	J- T8	48.0	100	1	05/17/2022 18:39	<a href="#">WG1862761</a>
Sulfate	21300		594	5000	1	05/17/2022 18:39	<a href="#">WG1862761</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2670	B-	102	1000	1	05/29/2022 02:17	<a href="#">WG1870724</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3520		28.1	100	1	05/17/2022 22:59	<a href="#">WG1864824</a>
Manganese	236		0.704	5.00	1	05/17/2022 22:59	<a href="#">WG1864824</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/17/2022 20:03	<a href="#">WG1864798</a>
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		05/17/2022 20:03	<a href="#">WG1864798</a>

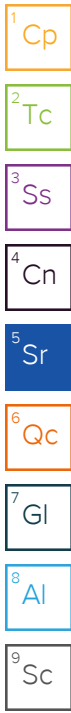
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	05/18/2022 13:53	<a href="#">WG1865025</a>
Ethane	U		0.296	1.29	1	05/18/2022 13:53	<a href="#">WG1865025</a>
Ethene	U		0.422	1.27	1	05/18/2022 13:53	<a href="#">WG1865025</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.15		0.548	1.00	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Benzene	U		0.0160	0.0400	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Bromobenzene	U		0.0420	0.500	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Bromomethane	U		0.148	0.500	1	05/17/2022 06:18	<a href="#">WG1864608</a>
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 06:18	<a href="#">WG1864608</a>
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 06:18	<a href="#">WG1864608</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 06:18	<a href="#">WG1864608</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 06:18	<a href="#">WG1864608</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	05/17/2022 06:18	WG1864608
Chloroform	0.0990	<u>J</u>	0.0166	0.100	1	05/17/2022 06:18	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 06:18	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 06:18	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u> <u>C3</u>	0.204	1.00	1	05/17/2022 06:18	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 06:18	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 06:18	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 06:18	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 06:18	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 06:18	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 06:18	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 06:18	WG1864608
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
cis-1,2-Dichloroethene	0.0530	<u>J</u>	0.0276	0.100	1	05/19/2022 13:14	WG1865976
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 06:18	WG1864608
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 06:18	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 06:18	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 06:18	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 06:18	WG1864608
2,2-Dichloropropane	U	<del><u>J4</u></del>	0.0317	0.100	1	05/17/2022 06:18	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 06:18	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 06:18	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 06:18	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 06:18	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 06:18	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 06:18	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 06:18	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 06:18	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 06:18	WG1864608
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	05/17/2022 06:18	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 06:18	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 06:18	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 06:18	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 06:18	WG1864608
Tetrachloroethene	1.82		0.0280	0.100	1	05/19/2022 13:14	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 06:18	WG1864608
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4 J4</u>	0.0250	0.500	1	05/17/2022 06:18	WG1864608
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	05/17/2022 06:18	WG1864608
1,1,1-Trichloroethane	U	<del><u>J4</u></del>	0.0110	0.100	1	05/17/2022 06:18	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 06:18	WG1864608
Trichloroethene	0.121		0.0160	0.0400	1	05/19/2022 13:14	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 06:18	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 06:18	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 06:18	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 06:18	WG1864608
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 13:14	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 06:18	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 06:18	WG1864608
Tetrahydrofuran	0.390	<u>J</u>	0.0900	0.500	1	05/17/2022 06:18	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 06:18	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 06:18	WG1864608

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 06:18	<a href="#">WG1864608</a>
(S) Toluene-d8	91.8			75.0-131		05/17/2022 06:18	<a href="#">WG1864608</a>
(S) Toluene-d8	106			75.0-131		05/19/2022 13:14	<a href="#">WG1865976</a>
(S) 4-Bromofluorobenzene	107			67.0-138		05/17/2022 06:18	<a href="#">WG1864608</a>
(S) 4-Bromofluorobenzene	105			67.0-138		05/19/2022 13:14	<a href="#">WG1865976</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/17/2022 06:18	<a href="#">WG1864608</a>
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		05/19/2022 13:14	<a href="#">WG1865976</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9410		594	5000	1	06/06/2022 02:40	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1770	<u>B</u>	102	1000	1	06/03/2022 23:15	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	380		28.1	100	1	05/23/2022 14:11	<a href="#">WG1867150</a>
Manganese	686		0.704	5.00	1	05/23/2022 14:11	<a href="#">WG1867150</a>

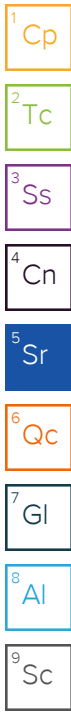
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	41.2		0.287	0.678	1	05/21/2022 15:11	<a href="#">WG1867439</a>
Ethane	0.916	<u>J</u>	0.296	1.29	1	05/21/2022 15:11	<a href="#">WG1867439</a>
Ethene	U		0.422	1.27	1	05/21/2022 15:11	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Benzene	U		0.0160	0.0400	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Bromoform	U		0.239	1.00	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Bromomethane	U		0.148	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Chloroethane	0.422		0.0432	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Chloroform	U		0.0166	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:11	<a href="#">WG1866432</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,1-Dichloroethene	1.82		0.0200	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
cis-1,2-Dichloroethene	30.5		0.0276	0.100	1	05/19/2022 20:11	<a href="#">WG1866432</a>
trans-1,2-Dichloroethene	0.557		0.0572	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:11	<a href="#">WG1866432</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2022 20:11	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:11	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:11	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:11	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:11	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:11	WG1866432
Ethylbenzene	U		0.0212	0.100	1	05/19/2022 20:11	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:11	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:11	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:11	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:11	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:11	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:11	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:11	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:11	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:11	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:11	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:11	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:11	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:11	WG1866432
Tetrachloroethene	0.629		0.0280	0.100	1	05/19/2022 20:11	WG1866432
Toluene	U		0.0500	0.200	1	05/19/2022 20:11	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:11	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:11	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:11	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:11	WG1866432
Trichloroethene	15.4		0.0160	0.0400	1	05/19/2022 20:11	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:11	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:11	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:11	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:11	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:11	WG1866432
Vinyl chloride	1.67		0.0273	0.100	1	05/19/2022 20:11	WG1866432
Xylenes, Total	U		0.191	0.260	1	05/19/2022 20:11	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:11	WG1866432
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2022 20:11	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:11	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:11	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:11	WG1866432
(S) Toluene-d8	106			75.0-131		05/19/2022 20:11	WG1866432
(S) 4-Bromofluorobenzene	103			67.0-138		05/19/2022 20:11	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:11	WG1866432

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14300		594	5000	1	06/07/2022 17:14	<a href="#">WG1875472</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5730		102	1000	1	06/03/2022 23:33	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4110		28.1	100	1	05/23/2022 14:14	<a href="#">WG1867150</a>
Manganese	496		0.704	5.00	1	05/23/2022 14:14	<a href="#">WG1867150</a>

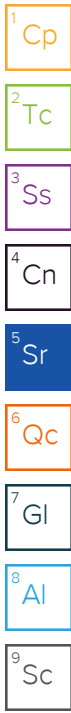
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1080		0.287	0.678	1	05/21/2022 15:14	<a href="#">WG1867439</a>
Ethane	8.35		0.296	1.29	1	05/21/2022 15:14	<a href="#">WG1867439</a>
Ethene	104		0.422	1.27	1	05/21/2022 15:14	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Acrylonitrile	U		7.60	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Benzene	U		1.60	4.00	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Bromobenzene	U		4.20	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Bromodichloromethane	U		3.15	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Bromoform	U		23.9	100	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Bromomethane	U		14.8	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
n-Butylbenzene	U		15.3	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
sec-Butylbenzene	U		10.1	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
tert-Butylbenzene	U		6.20	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Carbon tetrachloride	U		4.32	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Chlorobenzene	U		2.29	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Chlorodibromomethane	U		1.80	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Chloroethane	U		4.32	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Chloroform	U		1.66	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Chloromethane	U		5.56	50.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
2-Chlorotoluene	U		3.68	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
4-Chlorotoluene	U		4.52	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,2-Dibromoethane	U		2.10	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Dibromomethane	U		4.00	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,2-Dichlorobenzene	U		5.80	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,3-Dichlorobenzene	U		6.80	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,4-Dichlorobenzene	U		7.88	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
Dichlorodifluoromethane	U		3.27	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,1-Dichloroethane	U		2.30	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,2-Dichloroethane	U		1.90	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,1-Dichloroethene	35.5		2.00	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
cis-1,2-Dichloroethene	2770		2.76	10.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
trans-1,2-Dichloroethene	9.40	J	5.72	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>
1,2-Dichloropropane	U		5.08	20.0	100	05/19/2022 21:08	<a href="#">WG1866432</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		2.80	10.0	100	05/19/2022 21:08	WG1866432
1,3-Dichloropropane	U		7.00	20.0	100	05/19/2022 21:08	WG1866432
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/19/2022 21:08	WG1866432
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/19/2022 21:08	WG1866432
2,2-Dichloropropane	U		3.17	10.0	100	05/19/2022 21:08	WG1866432
Di-isopropyl ether	U		1.40	4.00	100	05/19/2022 21:08	WG1866432
Ethylbenzene	U		2.12	10.0	100	05/19/2022 21:08	WG1866432
Hexachloro-1,3-butadiene	U		50.8	100	100	05/19/2022 21:08	WG1866432
Isopropylbenzene	U		3.45	10.0	100	05/19/2022 21:08	WG1866432
p-Isopropyltoluene	U		9.32	20.0	100	05/19/2022 21:08	WG1866432
2-Butanone (MEK)	U		50.0	100	100	05/19/2022 21:08	WG1866432
Methylene Chloride	U		26.5	100	100	05/19/2022 21:08	WG1866432
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/19/2022 21:08	WG1866432
Methyl tert-butyl ether	U		1.18	4.00	100	05/19/2022 21:08	WG1866432
Naphthalene	U		12.4	50.0	100	05/19/2022 21:08	WG1866432
n-Propylbenzene	U		4.72	20.0	100	05/19/2022 21:08	WG1866432
Styrene	U		10.9	50.0	100	05/19/2022 21:08	WG1866432
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/19/2022 21:08	WG1866432
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/19/2022 21:08	WG1866432
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/19/2022 21:08	WG1866432
Tetrachloroethene	U		2.80	10.0	100	05/19/2022 21:08	WG1866432
Toluene	U		5.00	20.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trichlorobenzene	U		2.50	50.0	100	05/19/2022 21:08	WG1866432
1,2,4-Trichlorobenzene	U		19.3	50.0	100	05/19/2022 21:08	WG1866432
1,1,1-Trichloroethane	U		1.10	10.0	100	05/19/2022 21:08	WG1866432
1,1,2-Trichloroethane	U		3.53	10.0	100	05/19/2022 21:08	WG1866432
Trichloroethene	U		1.60	4.00	100	05/19/2022 21:08	WG1866432
Trichlorofluoromethane	U		2.00	10.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trichloropropane	U		20.4	50.0	100	05/19/2022 21:08	WG1866432
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/19/2022 21:08	WG1866432
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/19/2022 21:08	WG1866432
Vinyl chloride	1380		2.73	10.0	100	05/19/2022 21:08	WG1866432
Xylenes, Total	U		19.1	26.0	100	05/19/2022 21:08	WG1866432
Ethyl Ether	U		1.70	10.0	100	05/19/2022 21:08	WG1866432
Tetrahydrofuran	U		9.00	50.0	100	05/19/2022 21:08	WG1866432
Iodomethane	U		24.2	50.0	100	05/19/2022 21:08	WG1866432
Allyl chloride	U		58.0	100	100	05/19/2022 21:08	WG1866432
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/19/2022 21:08	WG1866432
(S) Toluene-d8	109			75.0-131		05/19/2022 21:08	WG1866432
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 21:08	WG1866432
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/19/2022 21:08	WG1866432

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	28400		594	5000	1	06/06/2022 02:55	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1900	<u>B</u>	102	1000	1	06/04/2022 00:30	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	576		28.1	100	1	05/23/2022 14:28	<a href="#">WG1867150</a>
Manganese	286		0.704	5.00	1	05/23/2022 14:28	<a href="#">WG1867150</a>

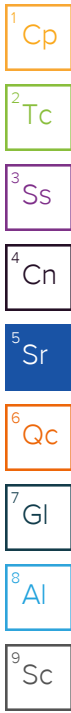
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2360		0.287	0.678	1	05/21/2022 15:16	<a href="#">WG1867439</a>
Ethane	2.15		0.296	1.29	1	05/21/2022 15:16	<a href="#">WG1867439</a>
Ethene	0.704	<u>J</u>	0.422	1.27	1	05/21/2022 15:16	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Benzene	U		0.0160	0.0400	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Bromoform	U		0.239	1.00	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Bromomethane	U		0.148	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Chloroethane	U		0.0432	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Chloroform	U		0.0166	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:30	<a href="#">WG1866432</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
cis-1,2-Dichloroethene	0.0340	<u>J</u>	0.0276	0.100	1	05/19/2022 20:30	<a href="#">WG1866432</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:30	<a href="#">WG1866432</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2022 20:30	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:30	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:30	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:30	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:30	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:30	WG1866432
Ethylbenzene	0.0380	U	0.0212	0.100	1	05/19/2022 20:30	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:30	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:30	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:30	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:30	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:30	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:30	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:30	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:30	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:30	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:30	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:30	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:30	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:30	WG1866432
Tetrachloroethene	U		0.0280	0.100	1	05/19/2022 20:30	WG1866432
Toluene	0.254		0.0500	0.200	1	05/19/2022 20:30	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:30	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:30	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:30	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:30	WG1866432
Trichloroethene	U		0.0160	0.0400	1	05/19/2022 20:30	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:30	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:30	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:30	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:30	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:30	WG1866432
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 20:30	WG1866432
Xylenes, Total	0.241	U	0.191	0.260	1	05/19/2022 20:30	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:30	WG1866432
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2022 20:30	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:30	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:30	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:30	WG1866432
(S) Toluene-d8	104			75.0-131		05/19/2022 20:30	WG1866432
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 20:30	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:30	WG1866432

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	12000		594	5000	1	06/06/2022 03:11	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4150	<span style="color: red;">B</span>	102	1000	1	06/04/2022 00:46	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12600		28.1	100	1	05/23/2022 14:31	<a href="#">WG1867150</a>
Manganese	2390		0.704	5.00	1	05/23/2022 14:31	<a href="#">WG1867150</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28100		2.87	6.78	10	05/24/2022 10:00	<a href="#">WG1867441</a>
Ethane	U		0.296	1.29	1	05/21/2022 15:19	<a href="#">WG1867439</a>
Ethene	U		0.422	1.27	1	05/21/2022 15:19	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.13		0.548	1.00	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Benzene	U		0.0160	0.0400	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Bromoform	U		0.239	1.00	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Bromomethane	U		0.148	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Chloroethane	U		0.0432	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Chloroform	U		0.0166	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:49	<a href="#">WG1866432</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
cis-1,2-Dichloroethene	0.294		0.0276	0.100	1	05/19/2022 20:49	<a href="#">WG1866432</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:49	<a href="#">WG1866432</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2022 20:49	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:49	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:49	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:49	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:49	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:49	WG1866432
Ethylbenzene	U		0.0212	0.100	1	05/19/2022 20:49	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:49	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:49	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:49	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:49	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:49	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:49	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:49	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:49	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:49	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:49	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:49	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:49	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:49	WG1866432
Tetrachloroethene	U		0.0280	0.100	1	05/19/2022 20:49	WG1866432
Toluene	0.0890	U	0.0500	0.200	1	05/19/2022 20:49	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:49	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:49	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:49	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:49	WG1866432
Trichloroethene	0.0910		0.0160	0.0400	1	05/19/2022 20:49	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:49	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:49	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:49	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:49	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:49	WG1866432
Vinyl chloride	2.36		0.0273	0.100	1	05/19/2022 20:49	WG1866432
Xylenes, Total	U		0.191	0.260	1	05/19/2022 20:49	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:49	WG1866432
Tetrahydrofuran	3.82		0.0900	0.500	1	05/19/2022 20:49	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:49	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:49	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:49	WG1866432
(S) Toluene-d8	103			75.0-131		05/19/2022 20:49	WG1866432
(S) 4-Bromofluorobenzene	103			67.0-138		05/19/2022 20:49	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:49	WG1866432

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1130	J	594	5000	1	06/06/2022 03:26	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4080	<del>B</del>	102	1000	1	06/04/2022 01:19	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1750		28.1	100	1	05/23/2022 14:34	<a href="#">WG1867150</a>
Manganese	1140		0.704	5.00	1	05/23/2022 14:34	<a href="#">WG1867150</a>

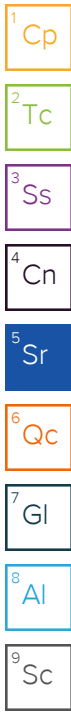
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3590		0.287	0.678	1	05/21/2022 15:25	<a href="#">WG1867439</a>
Ethane	45.5		0.296	1.29	1	05/21/2022 15:25	<a href="#">WG1867439</a>
Ethene	U		0.422	1.27	1	05/21/2022 15:25	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	30.5	J+	<a href="#">C5</a> <a href="#">J4</a>	0.548	1.00	1	05/24/2022 13:41	<a href="#">WG1868254</a>
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Benzene	U		0.0160	0.0400	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Bromoform	U		0.239	1.00	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Bromomethane	U		0.148	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Chloroethane	U	UJ	<a href="#">C3</a>	0.0432	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Chloromethane	U		<del>J4</del>	0.0556	0.500	1	05/24/2022 13:41	<a href="#">WG1868254</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
cis-1,2-Dichloroethene	0.137		0.0276	0.100	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:41	<a href="#">WG1868254</a>	

JC 7/8/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:41	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:41	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:41	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 13:41	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:41	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:41	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:41	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:41	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:41	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:41	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 13:41	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:41	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 13:41	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:41	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 13:41	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:41	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 13:41	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:41	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 13:41	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:41	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:41	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 13:41	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 13:41	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 13:41	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:41	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:41	WG1868254
Trichloroethene	0.0810		0.0160	0.0400	1	05/24/2022 13:41	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:41	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:41	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:41	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:41	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:41	WG1868254
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 13:41	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:41	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:41	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 13:41	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 13:41	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:41	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 13:41	WG1868254
(S) Toluene-d8	101			75.0-131		05/24/2022 13:41	WG1868254
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/24/2022 13:41	WG1868254
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 13:41	WG1868254

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	219000		2970	25000	5	06/06/2022 03:42	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8840		102	1000	1	06/04/2022 02:15	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	25800		28.1	100	1	05/23/2022 14:38	<a href="#">WG1867150</a>
Manganese	10100	J E	0.704	5.00	1	05/23/2022 14:38	<a href="#">WG1867150</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3190		0.287	0.678	1	05/21/2022 15:29	<a href="#">WG1867439</a>
Ethane	2.65		0.296	1.29	1	05/21/2022 15:29	<a href="#">WG1867439</a>
Ethene	U		0.422	1.27	1	05/21/2022 15:29	<a href="#">WG1867439</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.97	J+ C5 J4	0.548	1.00	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Benzene	0.0420		0.0160	0.0400	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Bromoform	U		0.239	1.00	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 14:00	<a href="#">WG1868254</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:00	<a href="#">WG1868254</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:00	<a href="#">WG1868254</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,1-Dichloroethene	0.0620	J	0.0200	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
cis-1,2-Dichloroethene	4.15		0.0276	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>
trans-1,2-Dichloroethene	0.0620	J	0.0572	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:00	<a href="#">WG1868254</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:00	<a href="#">WG1868254</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:00	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:00	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:00	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:00	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:00	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:00	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:00	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:00	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:00	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:00	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:00	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 14:00	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:00	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:00	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:00	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:00	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:00	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:00	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:00	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:00	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 14:00	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:00	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:00	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:00	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:00	WG1868254
Trichloroethene	0.354		0.0160	0.0400	1	05/24/2022 14:00	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:00	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:00	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:00	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:00	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:00	WG1868254
Vinyl chloride	1.71		0.0273	0.100	1	05/24/2022 14:00	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:00	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:00	WG1868254
Tetrahydrofuran	3.89		0.0900	0.500	1	05/24/2022 14:00	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:00	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:00	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:00	WG1868254
(S) Toluene-d8	103			75.0-131		05/24/2022 14:00	WG1868254
(S) 4-Bromofluorobenzene	97.9			67.0-138		05/24/2022 14:00	WG1868254
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 14:00	WG1868254

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/06/2022 03:57	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3840	<del>B</del>	102	1000	1	06/04/2022 02:30	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7830		28.1	100	1	05/23/2022 14:41	<a href="#">WG1867150</a>
Manganese	3070		0.704	5.00	1	05/23/2022 14:41	<a href="#">WG1867150</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	15000		2.87	6.78	10	05/24/2022 15:04	<a href="#">WG1869455</a>
Ethane	21.4		0.296	1.29	1	05/24/2022 10:03	<a href="#">WG1867441</a>
Ethene	U		0.422	1.27	1	05/24/2022 10:03	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.85	J+	<del>C5</del> J4	0.548	1.00	1	05/24/2022 14:19	<a href="#">WG1868254</a>
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Benzene	0.0260	J	0.0160	0.0400	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Bromoform	U		0.239	1.00	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Bromomethane	U		0.148	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Chloroethane	U	UJ	<del>C3</del>	0.0432	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Chloromethane	U		<del>J4</del>	0.0556	0.500	1	05/24/2022 14:19	<a href="#">WG1868254</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
cis-1,2-Dichloroethene	0.401		0.0276	0.100	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:19	<a href="#">WG1868254</a>	

JC 7/8/2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:19	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:19	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:19	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:19	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:19	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:19	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:19	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:19	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:19	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:19	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:19	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:19	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 14:19	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:19	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:19	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:19	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:19	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:19	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:19	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:19	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:19	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 14:19	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:19	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:19	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:19	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:19	WG1868254
Trichloroethene	0.0520		0.0160	0.0400	1	05/24/2022 14:19	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:19	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:19	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:19	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:19	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:19	WG1868254
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 14:19	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:19	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:19	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 14:19	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:19	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:19	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:19	WG1868254
(S) Toluene-d8	104			75.0-131		05/24/2022 14:19	WG1868254
(S) 4-Bromofluorobenzene	93.7			67.0-138		05/24/2022 14:19	WG1868254
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 14:19	WG1868254

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/06/2022 04:12	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8710		102	1000	1	06/04/2022 02:53	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9360		28.1	100	1	05/23/2022 14:44	<a href="#">WG1867150</a>
Manganese	1400		0.704	5.00	1	05/23/2022 14:44	<a href="#">WG1867150</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13200		2.87	6.78	10	05/24/2022 15:08	<a href="#">WG1869455</a>
Ethane	99.8		0.296	1.29	1	05/24/2022 10:29	<a href="#">WG1867441</a>
Ethene	U		0.422	1.27	1	05/24/2022 10:29	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.04	J+ C5 J4	0.548	1.00	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Benzene	0.0880		0.0160	0.0400	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Bromoform	U		0.239	1.00	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Chloromethane	U	J4	0.0556	0.500	1	05/24/2022 14:39	<a href="#">WG1868254</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,2-Dichloroethane	0.174		0.0190	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
cis-1,2-Dichloroethene	6.12		0.0276	0.100	1	05/24/2022 14:39	<a href="#">WG1868254</a>
trans-1,2-Dichloroethene	3.80		0.0572	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:39	<a href="#">WG1868254</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:39	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:39	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:39	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:39	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:39	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:39	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:39	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:39	WG1868254
Isopropylbenzene	0.0520	U	0.0345	0.100	1	05/24/2022 14:39	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:39	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:39	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:39	WG1868254
4-Methyl-2-pentanone (MIBK)	0.473	U	0.400	1.00	1	05/24/2022 14:39	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:39	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:39	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:39	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:39	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:39	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:39	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:39	WG1868254
Toluene	0.449		0.0500	0.200	1	05/24/2022 14:39	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:39	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:39	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:39	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:39	WG1868254
Trichloroethene	0.709		0.0160	0.0400	1	05/24/2022 14:39	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:39	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:39	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:39	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:39	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:39	WG1868254
Vinyl chloride	1.75		0.0273	0.100	1	05/24/2022 14:39	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:39	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:39	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 14:39	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:39	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:39	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:39	WG1868254
(S) Toluene-d8	108			75.0-131		05/24/2022 14:39	WG1868254
(S) 4-Bromofluorobenzene	91.4			67.0-138		05/24/2022 14:39	WG1868254
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 14:39	WG1868254

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	32800		594	5000	1	06/07/2022 17:27	<a href="#">WG1875472</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	6840		102	1000	1	06/04/2022 03:08	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	707		28.1	100	1	05/24/2022 00:23	<a href="#">WG1867151</a>
Manganese	2020		0.704	5.00	1	05/24/2022 00:23	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4630		0.287	0.678	1	05/24/2022 10:32	<a href="#">WG1867441</a>
Ethane	3.09		0.296	1.29	1	05/24/2022 10:32	<a href="#">WG1867441</a>
Ethene	1.50		0.422	1.27	1	05/24/2022 10:32	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	81.4	J- C3	27.4	50.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	3.80	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Benzene	U		0.800	2.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Bromobenzene	U		2.10	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Bromodichloromethane	U		1.58	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	12.0	50.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Bromomethane	U		7.40	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
n-Butylbenzene	U		7.65	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
sec-Butylbenzene	U		5.05	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
tert-Butylbenzene	U		3.10	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Carbon tetrachloride	U		2.16	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Chlorobenzene	U		1.15	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.900	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Chloroethane	U		2.16	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Chloroform	U		0.830	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Chloromethane	U		2.78	25.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
2-Chlorotoluene	U		1.84	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
4-Chlorotoluene	U		2.26	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	10.2	50.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		1.05	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Dibromomethane	U		2.00	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		1.64	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		1.15	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.950	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,1-Dichloroethene	48.0		1.00	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	588		1.38	5.00	50	05/24/2022 16:30	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	28.9		2.86	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		2.54	10.0	50	05/24/2022 16:30	<a href="#">WG1868350</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		1.40	5.00	50	05/24/2022 16:30	WG1868350
1,3-Dichloropropane	U		3.50	10.0	50	05/24/2022 16:30	WG1868350
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/24/2022 16:30	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	3.06	10.0	50	05/24/2022 16:30	WG1868350
2,2-Dichloropropane	U		1.59	5.00	50	05/24/2022 16:30	WG1868350
Di-isopropyl ether	U		0.700	2.00	50	05/24/2022 16:30	WG1868350
Ethylbenzene	U		1.06	5.00	50	05/24/2022 16:30	WG1868350
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/24/2022 16:30	WG1868350
Isopropylbenzene	U		1.73	5.00	50	05/24/2022 16:30	WG1868350
p-Isopropyltoluene	U		4.66	10.0	50	05/24/2022 16:30	WG1868350
2-Butanone (MEK)	U	UJ C3	25.0	50.0	50	05/24/2022 16:30	WG1868350
Methylene Chloride	U		13.3	50.0	50	05/24/2022 16:30	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	20.0	50.0	50	05/24/2022 16:30	WG1868350
Methyl tert-butyl ether	U		0.590	2.00	50	05/24/2022 16:30	WG1868350
Naphthalene	U		6.20	25.0	50	05/24/2022 16:30	WG1868350
n-Propylbenzene	U		2.36	10.0	50	05/24/2022 16:30	WG1868350
Styrene	U		5.45	25.0	50	05/24/2022 16:30	WG1868350
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/24/2022 16:30	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.780	5.00	50	05/24/2022 16:30	WG1868350
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/24/2022 16:30	WG1868350
Tetrachloroethene	4880		1.40	5.00	50	05/24/2022 16:30	WG1868350
Toluene	U		2.50	10.0	50	05/24/2022 16:30	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	05/24/2022 16:30	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	9.65	25.0	50	05/24/2022 16:30	WG1868350
1,1,1-Trichloroethane	U		0.550	5.00	50	05/24/2022 16:30	WG1868350
1,1,2-Trichloroethane	U		1.77	5.00	50	05/24/2022 16:30	WG1868350
Trichloroethene	2860		0.800	2.00	50	05/24/2022 16:30	WG1868350
Trichlorofluoromethane	U		1.00	5.00	50	05/24/2022 16:30	WG1868350
1,2,3-Trichloropropane	U		10.2	25.0	50	05/24/2022 16:30	WG1868350
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/24/2022 16:30	WG1868350
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/24/2022 16:30	WG1868350
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/24/2022 16:30	WG1868350
Vinyl chloride	13.8		1.36	5.00	50	05/24/2022 16:30	WG1868350
Xylenes, Total	U		9.55	13.0	50	05/24/2022 16:30	WG1868350
Ethyl Ether	4.45	J	0.850	5.00	50	05/24/2022 16:30	WG1868350
Tetrahydrofuran	U	UJ C3	4.50	25.0	50	05/24/2022 16:30	WG1868350
Iodomethane	U		12.1	25.0	50	05/24/2022 16:30	WG1868350
Allyl chloride	U		29.0	50.0	50	05/24/2022 16:30	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	2.80	10.0	50	05/24/2022 16:30	WG1868350
(S) Toluene-d8	101			75.0-131		05/24/2022 16:30	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 16:30	WG1868350
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 16:30	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9530		594	5000	1	06/07/2022 17:41	<a href="#">WG1875472</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	14500		102	1000	1	06/04/2022 03:33	<a href="#">WG1874176</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2740		28.1	100	1	05/24/2022 00:26	<a href="#">WG1867151</a>
Manganese	1090		0.704	5.00	1	05/24/2022 00:26	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13100		2.87	6.78	10	05/24/2022 15:11	<a href="#">WG1869455</a>
Ethane	29.9		0.296	1.29	1	05/24/2022 10:38	<a href="#">WG1867441</a>
Ethene	814		0.422	1.27	1	05/24/2022 10:38	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	487	J- C3	137	250	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	19.0	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Benzene	U		4.00	10.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Bromobenzene	U		10.5	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Bromodichloromethane	U		7.88	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	59.8	250	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Bromomethane	U		37.0	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
n-Butylbenzene	U		38.3	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
sec-Butylbenzene	U		25.3	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
tert-Butylbenzene	U		15.5	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Carbon tetrachloride	U		10.8	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Chlorobenzene	U		5.73	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	4.50	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Chloroethane	U		10.8	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Chloroform	U		4.15	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Chloromethane	U		13.9	125	250	05/24/2022 16:49	<a href="#">WG1868350</a>
2-Chlorotoluene	U		9.20	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
4-Chlorotoluene	U		11.3	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	51.0	250	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		5.25	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Dibromomethane	U		10.0	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		8.18	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		5.75	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		4.75	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,1-Dichloroethene	42.3		5.00	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	5960		6.90	25.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	229		14.3	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		12.7	50.0	250	05/24/2022 16:49	<a href="#">WG1868350</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		7.00	25.0	250	05/24/2022 16:49	WG1868350
1,3-Dichloropropane	U		17.5	50.0	250	05/24/2022 16:49	WG1868350
cis-1,3-Dichloropropene	U		6.78	25.0	250	05/24/2022 16:49	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	15.3	50.0	250	05/24/2022 16:49	WG1868350
2,2-Dichloropropane	U		7.93	25.0	250	05/24/2022 16:49	WG1868350
Di-isopropyl ether	U		3.50	10.0	250	05/24/2022 16:49	WG1868350
Ethylbenzene	U		5.30	25.0	250	05/24/2022 16:49	WG1868350
Hexachloro-1,3-butadiene	U		127	250	250	05/24/2022 16:49	WG1868350
Isopropylbenzene	U		8.63	25.0	250	05/24/2022 16:49	WG1868350
p-Isopropyltoluene	U		23.3	50.0	250	05/24/2022 16:49	WG1868350
2-Butanone (MEK)	U	UJ C3	125	250	250	05/24/2022 16:49	WG1868350
Methylene Chloride	U		66.3	250	250	05/24/2022 16:49	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	100	250	250	05/24/2022 16:49	WG1868350
Methyl tert-butyl ether	U		2.95	10.0	250	05/24/2022 16:49	WG1868350
Naphthalene	U		31.0	125	250	05/24/2022 16:49	WG1868350
n-Propylbenzene	U		11.8	50.0	250	05/24/2022 16:49	WG1868350
Styrene	U		27.3	125	250	05/24/2022 16:49	WG1868350
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	05/24/2022 16:49	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	3.90	25.0	250	05/24/2022 16:49	WG1868350
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	05/24/2022 16:49	WG1868350
Tetrachloroethene	464		7.00	25.0	250	05/24/2022 16:49	WG1868350
Toluene	U		12.5	50.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	6.25	125	250	05/24/2022 16:49	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	48.3	125	250	05/24/2022 16:49	WG1868350
1,1,1-Trichloroethane	U		2.75	25.0	250	05/24/2022 16:49	WG1868350
1,1,2-Trichloroethane	U		8.83	25.0	250	05/24/2022 16:49	WG1868350
Trichloroethene	78.8		4.00	10.0	250	05/24/2022 16:49	WG1868350
Trichlorofluoromethane	U		5.00	25.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trichloropropane	U		51.0	125	250	05/24/2022 16:49	WG1868350
1,2,4-Trimethylbenzene	U		11.6	50.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trimethylbenzene	U		11.5	50.0	250	05/24/2022 16:49	WG1868350
1,3,5-Trimethylbenzene	U		10.8	50.0	250	05/24/2022 16:49	WG1868350
Vinyl chloride	11800		6.82	25.0	250	05/24/2022 16:49	WG1868350
Xylenes, Total	U		47.8	65.0	250	05/24/2022 16:49	WG1868350
Ethyl Ether	U		4.25	25.0	250	05/24/2022 16:49	WG1868350
Tetrahydrofuran	U	UJ C3	22.5	125	250	05/24/2022 16:49	WG1868350
Iodomethane	U		60.5	125	250	05/24/2022 16:49	WG1868350
Allyl chloride	U		145	250	250	05/24/2022 16:49	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	14.0	50.0	250	05/24/2022 16:49	WG1868350
(S) Toluene-d8	98.6			75.0-131		05/24/2022 16:49	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 16:49	WG1868350
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/24/2022 16:49	WG1868350

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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## MEMORANDUM

**TO:** Project File **DATE:** July 6, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413001.10.701 Task 04  
**TASK:** EIM Data Validation Level EPA2A Q2-2022 Group 2 Groundwater  
**LAB:** Pace Sample Delivery Group (SDGs): L1497495 and L1499204

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Sixteen groundwater samples (including a field duplicate), one equipment blank, and one trip blank were collected May 24-26, 2022, from monitoring wells at American Linen in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

The quality assurance review of the laboratory data associated with SDGs L1497495 and L1499204 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### DATA VALIDATION

#### Completeness

The samples were collected and analyzed as requested.

## Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following discussion:

- SDG L1499204: Chain of custody review indicates that a vial was broken during transit for sample MW-156-052622. No action was needed since sufficient sample was provided for USEPA Method 8260D analysis.

## Holding Times

### *USEPA Method 8260D:*

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

### *General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

The samples were analyzed within the USEPA recommended holding time for chloride (28 days), sulfate (28 days), and nitrate (48 hours), and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met with the following exceptions:

- SDG L1499204: Three samples (MW-348-052622, MW-349-052622, and MW-347-052622) were analyzed for nitrate outside of the recommended holding time. **Samples MW-348-052622 and MW-349-052622 were analyzed 25 days past holding time, nitrate results are estimated, and may be biased low (J-). Sample MW-347-052622 was analyzed seven days past holding time and the non-detect nitrate result is rejected (R).**

## Initial and Continuing Calibration

### *USEPA Method 8260D (VOCs):*

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- All SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.  
**Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- All SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C4” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.  
**Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- SDG L1499204: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for a few compounds associated with one analytical batch in the SDG. These compounds are qualified by the laboratory “C5” to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias.  
**Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### Method Blank Results

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1499204 – Analytical Batch WG1875288: A low level of naphthalene is detected in the method blank at 0.226 µg/L. No action is needed since naphthalene is not detected in the associated samples.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blank at or above the RDLs.

#### *USEPA Method 6020B and General Chemistry (Chloride, Sulfate, Nitrate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
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L1497495	WG1877986	9060A	TOC	449	J	1000	µg/L	NO
L1499204	WG1879835	9060A	TOC	478	J	1000	µg/L	YES
L1499204	WG1880781	9060A	TOC	117	J	1000	µg/L	NO

The target analyte (TOC) was detected in the method blanks at low levels. No action is taken on this basis since associated sample detections are greater than the RDL with one exception:

- SDG L1499204: TOC was detected in the equipment blank below the RDL at 185 µg/L and in the associated method blank at 478 µg/L. Sample MW-138-052522 TOC result was detected below the RDL at 848 µg/L. **Sample MW-138-052522 TOC result is non-detect (U) due to TOC contamination in both the equipment and the method blanks.**

### Trip Blank Results

#### *USEPA Method 8260D:*

A trip blank (TB-052622) was collected and submitted for analysis. The target analytes are not detected in the trip blank at or above the RDLs.

### Field, Rinsate, or Equipment Blank Results

#### *All Analytical Methods:*

One equipment blank (EQ-052522) was collected. Details are as follows:

SDG L1499204: The equipment blank (EQ-052522) is associated with all samples except sample MW-156-0526022 collected from the bladder pump on May 25-26, 2022. Low levels of TOC, methane, and ethane are detected in the equipment blank. Low levels of VOCs (acetone, bromodichloromethane, chlorodibromomethane, chloroform, and toluene) are detected in the equipment blank. Actions are as follows:

- TOC was detected in the equipment blank below the RDL at 185 µg/L and in the associated method blank at 478 µg/L. Sample MW-138-052522 TOC result was detected below the RDL at 848 µg/L. **Sample MW-138-052522 TOC result is non-detect (U) due to TOC contamination in both the equipment and the method blanks.** TOC results for samples MW-160-052522, MW-348-052622, MW-349-052622, MW-347-052622, MW-142-052622 are greater than the RDL and no action is needed.
- Acetone, a common laboratory contaminant, was detected in the equipment blank at 2.54 µg/L and above the RDL (1.00 µg/L). **Associated acetone detection is below the equipment blank detection in sample MW-142-052622 and is qualified as not detected (U). Acetone detection in sample MW-348-052622 is less than 2X the blank detection and is qualified as not detected (U) due to blank contamination.**
- Chloroform was detected in the equipment blank at 0.144 µg/L and above the RDL (0.100 µg/L). Associated chloroform detections are below the RDL in samples MW-349-052622 and MW-305-052622. **Chloroform results for these samples are qualified as not detected (U) due to equipment blank contamination.**

- Toluene was detected in the equipment blank at 0.0940 µg/L and below the RDL (0.100 µg/L). Associated toluene detections are below the RDL in seven samples (MW-304-052522, MW-303-052522, MW-160-052522, MW-330-052522, MW-348-052622, MW-347-052622, and MW-307-052622). **Toluene results for these samples are qualified as not detected (U) due to equipment blank contamination.**
- No action is needed for remaining compounds (bromodichloromethane and chlorodibromomethane) since these compounds are either not detected in the associated samples or are detected significantly greater than the equipment blank detection.

### **Field Duplicate Analyses**

A field duplicate pair was submitted and analyzed as follows:

- SDG L1497495: Sample HMW-9IB-052422 and field duplicate MW-971-052422. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm 1x$  RDL for groundwater results  $<5X$  the RDL) for the field duplicate pair with the following exceptions:
  - Tetrahydrofuran RPD (or absolute difference) exceed criteria. **Field duplicate tetrahydrofuran results for sample HMW-9IB-052422 and field duplicate sample MW-971-052422 are estimated and qualified (J/UJ).**

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20% or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

#### *General Chemistry (Chloride, Sulfate, Nitrate, and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### **Surrogate Recoveries**

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

### **Laboratory Control Samples**

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1499204 – Analytical batch WG1874160: LCS recovery for chloromethane is above QC criteria and laboratory qualified (J4). No action is needed since chloromethane is not detected in the associated samples. LCS recovery for hexachloro-1,3-butadiene, and 1,2,4-trichlorobenzene are below QC criteria. **All associated sample results for hexachloro-1,3-butadiene and 1,2,4-trichlorobenzene are estimated and qualified (UJ).**

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

#### *USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

#### *General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

### **Matrix Spike/Matrix Spike Duplicates**

#### *USEPA Method 8260D:*

Matrix spike/matrix spike duplicate (MS/MSD) analyses was performed on a non-client sample. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1497495: Tetrahydrofuran MS/MSD RPD exceeds acceptance criteria and is laboratory qualified (J3). No action is taken on this basis since spike recoveries are acceptable.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were not performed. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

#### *USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

*General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for this SDG was provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following exception:

- SDG L1499204: **Sample MW-347-052622 was analyzed seven days past holding time and the non-detect nitrate result is rejected (R).**



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	81500		379	1000	1	05/25/2022 15:45	<a href="#">WG1869454</a>
Nitrate	U		48.0	100	1	05/25/2022 15:45	<a href="#">WG1869454</a>
Sulfate	U		594	5000	1	05/25/2022 15:45	<a href="#">WG1869454</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	586000		1020	10000	10	06/13/2022 17:44	<a href="#">WG1878616</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	308		0.287	0.678	1	05/30/2022 14:36	<a href="#">WG1871510</a>
Ethane	4.77		0.296	1.29	1	05/30/2022 14:36	<a href="#">WG1871510</a>
Ethene	22.4		0.422	1.27	1	05/30/2022 14:36	<a href="#">WG1871510</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.29	J - C3	0.548	1.00	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Benzene	0.0520		0.0160	0.0400	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 19:27	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,1-Dichloroethene	3.18		0.0200	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
cis-1,2-Dichloroethene	2100		0.690	2.50	25	06/03/2022 04:14	<a href="#">WG1872633</a>
trans-1,2-Dichloroethene	10.8		0.0572	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 19:27	<a href="#">WG1871167</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 19:27	<a href="#">WG1871167</a>

JC 6/17/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 19:27	WG1871167
Di-isopropyl ether	0.226		0.0140	0.0400	1	05/28/2022 19:27	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 19:27	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 19:27	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 19:27	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 19:27	WG1871167
2-Butanone (MEK)	187		0.500	1.00	1	05/28/2022 19:27	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 19:27	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 19:27	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 19:27	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 19:27	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 19:27	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 19:27	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 19:27	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 19:27	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 19:27	WG1871167
Tetrachloroethene	1.61		0.0280	0.100	1	05/28/2022 19:27	WG1871167
Toluene	0.278		0.0500	0.200	1	05/28/2022 19:27	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 19:27	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 19:27	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 19:27	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 19:27	WG1871167
Trichloroethene	10.7		0.0160	0.0400	1	05/28/2022 19:27	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 19:27	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 19:27	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 19:27	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 19:27	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 19:27	WG1871167
Vinyl chloride	832		0.682	2.50	25	06/03/2022 04:14	WG1872633
Xylenes, Total	0.216	J	0.191	0.260	1	05/28/2022 19:27	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 19:27	WG1871167
Tetrahydrofuran	23.7	J	0.0900	0.500	1	05/28/2022 19:27	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 19:27	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 19:27	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 19:27	WG1871167
(S) Toluene-d8	98.5			75.0-131		05/28/2022 19:27	WG1871167
(S) Toluene-d8	103			75.0-131		06/03/2022 04:14	WG1872633
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2022 19:27	WG1871167
(S) 4-Bromofluorobenzene	101			67.0-138		06/03/2022 04:14	WG1872633
(S) 1,2-Dichloroethane-d4	98.9			70.0-130		05/28/2022 19:27	WG1871167
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/03/2022 04:14	WG1872633

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 6/17/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	83800		379	1000	1	05/25/2022 16:10	<a href="#">WG1869454</a>
Nitrate	U		48.0	100	1	05/25/2022 16:10	<a href="#">WG1869454</a>
Sulfate	724	J	594	5000	1	05/25/2022 16:10	<a href="#">WG1869454</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	612000		1020	10000	10	06/13/2022 17:58	<a href="#">WG1878616</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	376		0.287	0.678	1	05/30/2022 14:38	<a href="#">WG1871510</a>
Ethane	5.51		0.296	1.29	1	05/30/2022 14:38	<a href="#">WG1871510</a>
Ethene	27.1		0.422	1.27	1	05/30/2022 14:38	<a href="#">WG1871510</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.61	J- C3	0.548	1.00	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Benzene	0.0420		0.0160	0.0400	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 19:46	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,2-Dichloroethane	0.173		0.0190	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,1-Dichloroethene	3.25		0.0200	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
cis-1,2-Dichloroethene	2160		0.690	2.50	25	06/03/2022 04:33	<a href="#">WG1872633</a>
trans-1,2-Dichloroethene	11.2		0.0572	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 19:46	<a href="#">WG1871167</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 19:46	<a href="#">WG1871167</a>

JC 6/17/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 19:46	WG1871167
Di-isopropyl ether	0.235		0.0140	0.0400	1	05/28/2022 19:46	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 19:46	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 19:46	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 19:46	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 19:46	WG1871167
2-Butanone (MEK)	146		0.500	1.00	1	05/28/2022 19:46	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 19:46	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 19:46	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 19:46	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 19:46	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 19:46	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 19:46	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 19:46	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 19:46	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 19:46	WG1871167
Tetrachloroethene	1.95		0.0280	0.100	1	05/28/2022 19:46	WG1871167
Toluene	0.210		0.0500	0.200	1	05/28/2022 19:46	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 19:46	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 19:46	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 19:46	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 19:46	WG1871167
Trichloroethene	11.4		0.0160	0.0400	1	05/28/2022 19:46	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 19:46	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 19:46	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 19:46	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 19:46	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 19:46	WG1871167
Vinyl chloride	850		0.682	2.50	25	06/03/2022 04:33	WG1872633
Xylenes, Total	U		0.191	0.260	1	05/28/2022 19:46	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 19:46	WG1871167
Tetrahydrofuran	U	UJ	0.0900	0.500	1	05/28/2022 19:46	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 19:46	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 19:46	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 19:46	WG1871167
(S) Toluene-d8	99.7			75.0-131		05/28/2022 19:46	WG1871167
(S) Toluene-d8	104			75.0-131		06/03/2022 04:33	WG1872633
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2022 19:46	WG1871167
(S) 4-Bromofluorobenzene	102			67.0-138		06/03/2022 04:33	WG1872633
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/28/2022 19:46	WG1871167
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 04:33	WG1872633

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	35500		379	1000	1	05/25/2022 16:36	<a href="#">WG1869454</a>
Nitrate	U		48.0	100	1	05/25/2022 16:36	<a href="#">WG1869454</a>
Sulfate	81200		594	5000	1	05/25/2022 16:36	<a href="#">WG1869454</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2070	<del>B</del>	102	1000	1	06/11/2022 21:41	<a href="#">WG1877986</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	72.0		0.287	0.678	1	05/30/2022 14:48	<a href="#">WG1871510</a>
Ethane	U	<del>P1</del>	0.296	1.29	1	05/30/2022 14:48	<a href="#">WG1871510</a>
Ethene	0.988	J	0.422	1.27	1	05/30/2022 14:48	<a href="#">WG1871510</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	19.5		0.548	1.00	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Benzene	U		0.0160	0.0400	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Bromoform	U		0.239	1.00	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Bromomethane	U	UJ, C3	0.148	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Chloromethane	U		0.0556	0.500	1	06/03/2022 05:11	<a href="#">WG1873640</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
cis-1,2-Dichloroethene	4.18		0.0276	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 05:11	<a href="#">WG1873640</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 05:11	<a href="#">WG1873640</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 05:11	WG1873640
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 05:11	WG1873640
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 05:11	WG1873640
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2022 05:11	WG1873640
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 05:11	WG1873640
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 05:11	WG1873640
2-Butanone (MEK)	95.9		0.500	1.00	1	06/03/2022 05:11	WG1873640
Methylene Chloride	U		0.265	1.00	1	06/03/2022 05:11	WG1873640
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 05:11	WG1873640
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 05:11	WG1873640
Naphthalene	U		0.124	0.500	1	06/03/2022 05:11	WG1873640
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 05:11	WG1873640
Styrene	U		0.109	0.500	1	06/03/2022 05:11	WG1873640
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 05:11	WG1873640
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 05:11	WG1873640
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 05:11	WG1873640
Tetrachloroethene	0.0640	U	0.0280	0.100	1	06/03/2022 05:11	WG1873640
Toluene	0.0690	U	0.0500	0.200	1	06/03/2022 05:11	WG1873640
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2022 05:11	WG1873640
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2022 05:11	WG1873640
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 05:11	WG1873640
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 05:11	WG1873640
Trichloroethene	0.921		0.0160	0.0400	1	06/03/2022 05:11	WG1873640
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2022 05:11	WG1873640
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 05:11	WG1873640
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 05:11	WG1873640
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 05:11	WG1873640
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 05:11	WG1873640
Vinyl chloride	2.08		0.0273	0.100	1	06/03/2022 05:11	WG1873640
Xylenes, Total	U		0.191	0.260	1	06/03/2022 05:11	WG1873640
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 05:11	WG1873640
Tetrahydrofuran	49.5	J- C3	0.0900	0.500	1	06/03/2022 05:11	WG1873640
Iodomethane	U		0.242	0.500	1	06/03/2022 05:11	WG1873640
Allyl chloride	U		0.580	1.00	1	06/03/2022 05:11	WG1873640
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 05:11	WG1873640
(S) Toluene-d8	107			75.0-131		06/03/2022 05:11	WG1873640
(S) 4-Bromofluorobenzene	100			67.0-138		06/03/2022 05:11	WG1873640
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		06/03/2022 05:11	WG1873640

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 6/17/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 20:15	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:15	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 20:15	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:15	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:15	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 20:15	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 20:15	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:15	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:15	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:15	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:15	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:15	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:15	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:15	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 20:15	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 20:15	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:15	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 20:15	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:15	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:15	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:15	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:15	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:15	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:15	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:15	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:15	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:15	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:15	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:15	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:15	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:15	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:15	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:15	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:15	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:15	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 20:15	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:15	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:15	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:15	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:15	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:15	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:15	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 20:15	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:15	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 20:15	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:15	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:15	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:15	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:15	WG1874160
Toluene	0.0810	U J	0.0500	0.200	1	06/03/2022 20:15	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 20:15	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 20:15	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:15	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:15	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:15	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:15	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:15	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Tetrahydrofuran	0.341	U	0.0900	0.500	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:15	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:15	<a href="#">WG1874160</a>
(S) Toluene-d8	111			75.0-131		06/03/2022 20:15	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/03/2022 20:15	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2022 20:15	<a href="#">WG1874160</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 7/5/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Benzene	U		0.0160	0.0400	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Bromomethane	U		0.148	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Styrene	U		0.109	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Toluene	0.0680	U J	0.0500	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:34	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:34	<a href="#">WG1874160</a>
(S) Toluene-d8	111			75.0-131		06/03/2022 20:34	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/03/2022 20:34	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 20:34	<a href="#">WG1874160</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	65100		594	5000	1	06/22/2022 04:00	<a href="#">WG1882486</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	848	U <del>BJ</del>	102	1000	1	06/15/2022 21:18	<a href="#">WG1879835</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	22500		562	2000	20	06/21/2022 12:53	<a href="#">WG1875415</a>
Manganese	792		14.1	100	20	06/21/2022 12:53	<a href="#">WG1875415</a>

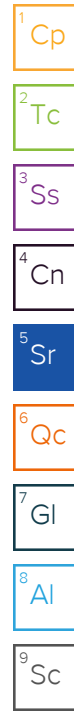
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	47.3		0.287	0.678	1	06/03/2022 15:55	<a href="#">WG1873923</a>
Ethane	0.741	J	0.296	1.29	1	06/03/2022 15:55	<a href="#">WG1873923</a>
Ethene	0.728	J	0.422	1.27	1	06/03/2022 15:55	<a href="#">WG1873923</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	18.4		0.548	1.00	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Benzene	U		0.0160	0.0400	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Bromoform	U	UJ <del>C3</del>	0.239	1.00	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Bromomethane	U		0.148	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Chloromethane	U	<del>J4</del>	0.0556	0.500	1	06/03/2022 20:52	<a href="#">WG1874160</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,2-Dibromo-3-Chloropropane	U	UJ <del>C3</del>	0.204	1.00	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:52	<a href="#">WG1874160</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:52	<a href="#">WG1874160</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:52	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:52	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:52	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:52	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:52	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:52	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:52	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 20:52	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:52	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:52	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:52	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:52	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:52	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:52	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 20:52	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:52	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 20:52	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:52	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:52	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:52	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:52	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 20:52	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 20:52	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 20:52	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:52	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:52	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:52	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:52	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:52	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:52	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:52	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:52	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:52	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:52	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:52	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 20:52	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 20:52	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:52	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:52	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 20:52	WG1874160
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/03/2022 20:52	WG1874160
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/03/2022 20:52	WG1874160

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	2410	J	594	5000	1	06/22/2022 04:30	<a href="#">WG1882486</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1070	<del>B</del>	102	1000	1	06/15/2022 21:59	<a href="#">WG1879835</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	29400		562	2000	20	06/21/2022 12:49	<a href="#">WG1875415</a>
Manganese	796		14.1	100	20	06/21/2022 12:49	<a href="#">WG1875415</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	165		0.287	0.678	1	06/03/2022 16:00	<a href="#">WG1873923</a>
Ethane	U		0.296	1.29	1	06/03/2022 16:00	<a href="#">WG1873923</a>
Ethene	U		0.422	1.27	1	06/03/2022 16:00	<a href="#">WG1873923</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Benzene	U		0.0160	0.0400	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Bromomethane	U		0.148	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Chloromethane	U	<del>J4</del>	0.0556	0.500	1	06/03/2022 21:11	<a href="#">WG1874160</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,1-Dichloroethene	0.0300	J	0.0200	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
cis-1,2-Dichloroethene	1.71		0.0276	0.100	1	06/03/2022 21:11	<a href="#">WG1874160</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 21:11	<a href="#">WG1874160</a>

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1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 21:11	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 21:11	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 21:11	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 21:11	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 21:11	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 21:11	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 21:11	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 21:11	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 21:11	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 21:11	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 21:11	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 21:11	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 21:11	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 21:11	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 21:11	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 21:11	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 21:11	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 21:11	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 21:11	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 21:11	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 21:11	WG1874160
Toluene	0.111	U J	0.0500	0.200	1	06/03/2022 21:11	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 21:11	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 21:11	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 21:11	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 21:11	WG1874160
Trichloroethene	0.0660		0.0160	0.0400	1	06/03/2022 21:11	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 21:11	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 21:11	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 21:11	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 21:11	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 21:11	WG1874160
Vinyl chloride	0.749	J+ C5	0.0273	0.100	1	06/03/2022 21:11	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 21:11	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 21:11	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 21:11	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 21:11	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 21:11	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 21:11	WG1874160
(S) Toluene-d8	114			75.0-131		06/03/2022 21:11	WG1874160
(S) 4-Bromofluorobenzene	96.3			67.0-138		06/03/2022 21:11	WG1874160
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2022 21:11	WG1874160

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 21:30	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 21:30	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 21:30	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 21:30	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 21:30	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 21:30	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 21:30	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 21:30	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 21:30	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 21:30	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 21:30	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 21:30	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 21:30	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 21:30	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 21:30	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 21:30	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 21:30	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 21:30	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 21:30	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 21:30	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 21:30	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 21:30	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 21:30	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 21:30	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 21:30	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 21:30	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 21:30	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 21:30	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 21:30	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 21:30	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 21:30	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 21:30	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 21:30	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 21:30	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 21:30	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 21:30	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 21:30	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 21:30	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 21:30	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 21:30	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 21:30	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 21:30	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 21:30	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 21:30	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 21:30	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 21:30	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 21:30	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 21:30	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 21:30	WG1874160
Toluene	0.0900	U J	0.0500	0.200	1	06/03/2022 21:30	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 21:30	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 21:30	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 21:30	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 21:30	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 21:30	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 21:30	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 21:30	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 21:30	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 21:30	<a href="#">WG1874160</a>
(S) Toluene-d8	113			75.0-131		06/03/2022 21:30	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/03/2022 21:30	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 21:30	<a href="#">WG1874160</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	40600		379	1000	1	06/22/2022 05:32	<a href="#">WG1882486</a>
Nitrate	54.6	J- J T8	48.0	100	1	06/22/2022 05:32	<a href="#">WG1882486</a>
Sulfate	60000		594	5000	1	06/22/2022 05:32	<a href="#">WG1882486</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1840	B-	102	1000	1	06/15/2022 22:41	<a href="#">WG1879835</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	310		0.287	0.678	1	06/07/2022 10:31	<a href="#">WG1874346</a>
Ethane	U		0.296	1.29	1	06/07/2022 10:31	<a href="#">WG1874346</a>
Ethene	20.0		0.422	1.27	1	06/07/2022 10:31	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.02		0.548	1.00	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Benzene	0.0460		0.0160	0.0400	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Bromobenzene	U		0.0420	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Bromoform	U		0.239	1.00	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Bromomethane	U	UJ C3	0.148	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Chloroform	U		0.0166	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Chloromethane	U		0.0556	0.500	1	06/08/2022 00:31	<a href="#">WG1875288</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Dibromomethane	U		0.0400	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,4-Dichlorobenzene	U	UJ C3	0.0788	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,1-Dichloroethane	0.138		0.0230	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,1-Dichloroethene	1.96		0.0200	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
cis-1,2-Dichloroethene	160		0.276	1.00	10	06/09/2022 02:14	<a href="#">WG1876438</a>
trans-1,2-Dichloroethene	0.150	J	0.0572	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 00:31	<a href="#">WG1875288</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 00:31	<a href="#">WG1875288</a>

JC 7/5/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 00:31	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 00:31	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 00:31	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 00:31	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 00:31	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 00:31	WG1875288
2-Butanone (MEK)	35.0		0.500	1.00	1	06/08/2022 00:31	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 00:31	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 00:31	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 00:31	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 00:31	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 00:31	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 00:31	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 00:31	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 00:31	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 00:31	WG1875288
Tetrachloroethene	6.62		0.0280	0.100	1	06/08/2022 00:31	WG1875288
Toluene	0.0950	U U	0.0500	0.200	1	06/08/2022 00:31	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 00:31	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 00:31	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 00:31	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 00:31	WG1875288
Trichloroethene	14.0		0.0160	0.0400	1	06/08/2022 00:31	WG1875288
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/08/2022 00:31	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 00:31	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 00:31	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 00:31	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 00:31	WG1875288
Vinyl chloride	126		0.273	1.00	10	06/09/2022 02:14	WG1876438
Xylenes, Total	U		0.191	0.260	1	06/08/2022 00:31	WG1875288
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/08/2022 00:31	WG1875288
Tetrahydrofuran	14.1		0.0900	0.500	1	06/08/2022 00:31	WG1875288
Iodomethane	U		0.242	0.500	1	06/08/2022 00:31	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 00:31	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 00:31	WG1875288
(S) Toluene-d8	107			75.0-131		06/08/2022 00:31	WG1875288
(S) Toluene-d8	101			75.0-131		06/09/2022 02:14	WG1876438
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/08/2022 00:31	WG1875288
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/09/2022 02:14	WG1876438
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/08/2022 00:31	WG1875288
(S) 1,2-Dichloroethane-d4	116			70.0-130		06/09/2022 02:14	WG1876438

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	78200		379	1000	1	06/22/2022 05:47	<a href="#">WG1882486</a>
Nitrate	59.7	J- J T8	48.0	100	1	06/22/2022 05:47	<a href="#">WG1882486</a>
Sulfate	U		594	5000	1	06/22/2022 05:47	<a href="#">WG1882486</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	621000		2040	20000	20	06/15/2022 22:59	<a href="#">WG1879835</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	926		0.287	0.678	1	06/07/2022 10:47	<a href="#">WG1874346</a>
Ethane	4.29		0.296	1.29	1	06/07/2022 10:47	<a href="#">WG1874346</a>
Ethene	15.8		0.422	1.27	1	06/07/2022 10:47	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Benzene	U		0.0160	0.0400	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Bromobenzene	U		0.0420	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Bromoform	U		0.239	1.00	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Bromomethane	U	UJ C3	0.148	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Chloroform	0.0700	J	0.0166	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Chloromethane	U		0.0556	0.500	1	06/08/2022 02:25	<a href="#">WG1875288</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Dibromomethane	U		0.0400	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,4-Dichlorobenzene	U	UJ C3	0.0788	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
cis-1,2-Dichloroethene	23.0		0.0276	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 02:25	<a href="#">WG1875288</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 02:25	<a href="#">WG1875288</a>

JC 7/5/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 02:25	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 02:25	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 02:25	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 02:25	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 02:25	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 02:25	WG1875288
2-Butanone (MEK)	38.5		0.500	1.00	1	06/08/2022 02:25	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 02:25	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 02:25	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 02:25	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 02:25	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 02:25	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 02:25	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 02:25	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 02:25	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 02:25	WG1875288
Tetrachloroethene	0.105		0.0280	0.100	1	06/08/2022 02:25	WG1875288
Toluene	0.312		0.0500	0.200	1	06/08/2022 02:25	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 02:25	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 02:25	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 02:25	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 02:25	WG1875288
Trichloroethene	0.146		0.0160	0.0400	1	06/08/2022 02:25	WG1875288
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/08/2022 02:25	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 02:25	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 02:25	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 02:25	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 02:25	WG1875288
Vinyl chloride	30.9		0.0273	0.100	1	06/08/2022 02:25	WG1875288
Xylenes, Total	U		0.191	0.260	1	06/08/2022 02:25	WG1875288
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/08/2022 02:25	WG1875288
Tetrahydrofuran	U		0.0900	0.500	1	06/08/2022 02:25	WG1875288
Iodomethane	U		0.242	0.500	1	06/08/2022 02:25	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 02:25	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 02:25	WG1875288
(S) Toluene-d8	107			75.0-131		06/08/2022 02:25	WG1875288
(S) 4-Bromofluorobenzene	92.7			67.0-138		06/08/2022 02:25	WG1875288
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/08/2022 02:25	WG1875288

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	33700		379	1000	1	06/04/2022 18:46	<a href="#">WG1874220</a>
Nitrate	U	R T8	48.0	100	1	06/04/2022 18:46	<a href="#">WG1874220</a>
Sulfate	12800		594	5000	1	06/04/2022 18:46	<a href="#">WG1874220</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	53500		204	2000	2	06/15/2022 23:15	<a href="#">WG1879835</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	176		0.287	0.678	1	06/07/2022 10:51	<a href="#">WG1874346</a>
Ethane	3.17		0.296	1.29	1	06/07/2022 10:51	<a href="#">WG1874346</a>
Ethene	12.3		0.422	1.27	1	06/07/2022 10:51	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	19.3		0.548	1.00	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Benzene	U		0.0160	0.0400	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Bromobenzene	U		0.0420	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Bromoform	U		0.239	1.00	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Bromomethane	U	UJ C3	0.148	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Chloroethane	U	UJ C3	0.0432	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Chloroform	U		0.0166	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Chloromethane	U		0.0556	0.500	1	06/08/2022 02:44	<a href="#">WG1875288</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Dibromomethane	U		0.0400	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,4-Dichlorobenzene	U	UJ C3	0.0788	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,1-Dichloroethene	0.484		0.0200	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
cis-1,2-Dichloroethene	148		0.276	1.00	10	06/09/2022 02:33	<a href="#">WG1876438</a>
trans-1,2-Dichloroethene	0.556		0.0572	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 02:44	<a href="#">WG1875288</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 02:44	<a href="#">WG1875288</a>

JC 7/5/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 02:44	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 02:44	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 02:44	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 02:44	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 02:44	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 02:44	WG1875288
2-Butanone (MEK)	113		0.500	1.00	1	06/08/2022 02:44	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 02:44	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 02:44	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 02:44	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 02:44	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 02:44	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 02:44	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 02:44	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 02:44	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 02:44	WG1875288
Tetrachloroethene	0.0770		0.0280	0.100	1	06/08/2022 02:44	WG1875288
Toluene	0.0770	U	0.0500	0.200	1	06/08/2022 02:44	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 02:44	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 02:44	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 02:44	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 02:44	WG1875288
Trichloroethene	0.225		0.0160	0.0400	1	06/08/2022 02:44	WG1875288
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	06/08/2022 02:44	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 02:44	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 02:44	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 02:44	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 02:44	WG1875288
Vinyl chloride	68.0		0.0273	0.100	1	06/08/2022 02:44	WG1875288
Xylenes, Total	U		0.191	0.260	1	06/08/2022 02:44	WG1875288
Ethyl Ether	U	UJ	0.0170	0.100	1	06/08/2022 02:44	WG1875288
Tetrahydrofuran	262		0.900	5.00	10	06/09/2022 02:33	WG1876438
Iodomethane	U		0.242	0.500	1	06/08/2022 02:44	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 02:44	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 02:44	WG1875288
(S) Toluene-d8	108			75.0-131		06/08/2022 02:44	WG1875288
(S) Toluene-d8	101			75.0-131		06/09/2022 02:33	WG1876438
(S) 4-Bromofluorobenzene	96.0			67.0-138		06/08/2022 02:44	WG1875288
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/09/2022 02:33	WG1876438
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/08/2022 02:44	WG1875288
(S) 1,2-Dichloroethane-d4	111			70.0-130		06/09/2022 02:33	WG1876438

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 22:08	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:08	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 22:08	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:08	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:08	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 22:08	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 22:08	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:08	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:08	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:08	WG1874160
Carbon tetrachloride	0.157	J	0.0432	0.200	1	06/03/2022 22:08	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:08	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:08	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:08	WG1874160
Chloroform	0.0740	J	0.0166	0.100	1	06/03/2022 22:08	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:08	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:08	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 22:08	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:08	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:08	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:08	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:08	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:08	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 22:08	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 22:08	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 22:08	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 22:08	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:08	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 22:08	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:08	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:08	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:08	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:08	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:08	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:08	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 22:08	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:08	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:08	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:08	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:08	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:08	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:08	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 22:08	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:08	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:08	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:08	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:08	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:08	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 22:08	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 22:08	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 22:08	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 22:08	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:08	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:08	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:08	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:08	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:08	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:08	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:08	<a href="#">WG1874160</a>
(S) Toluene-d8	113			75.0-131		06/03/2022 22:08	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2022 22:08	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 22:08	<a href="#">WG1874160</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/5/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/08/2022 03:03	WG1875288
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 03:03	WG1875288
Benzene	U		0.0160	0.0400	1	06/08/2022 03:03	WG1875288
Bromobenzene	U		0.0420	0.500	1	06/08/2022 03:03	WG1875288
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 03:03	WG1875288
Bromoform	U		0.239	1.00	1	06/08/2022 03:03	WG1875288
Bromomethane	U	UJ C3	0.148	0.500	1	06/08/2022 03:03	WG1875288
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 03:03	WG1875288
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 03:03	WG1875288
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 03:03	WG1875288
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 03:03	WG1875288
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 03:03	WG1875288
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 03:03	WG1875288
Chloroethane	U	UJ C3	0.0432	0.200	1	06/08/2022 03:03	WG1875288
Chloroform	U		0.0166	0.100	1	06/08/2022 03:03	WG1875288
Chloromethane	U		0.0556	0.500	1	06/08/2022 03:03	WG1875288
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 03:03	WG1875288
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 03:03	WG1875288
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 03:03	WG1875288
Dibromomethane	U		0.0400	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 03:03	WG1875288
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 03:03	WG1875288
1,4-Dichlorobenzene	U	UJ C3	0.0788	0.200	1	06/08/2022 03:03	WG1875288
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 03:03	WG1875288
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 03:03	WG1875288
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 03:03	WG1875288
1,1-Dichloroethene	U		0.0200	0.100	1	06/08/2022 03:03	WG1875288
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/09/2022 01:17	WG1876438
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 03:03	WG1875288
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 03:03	WG1875288
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 03:03	WG1875288
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 03:03	WG1875288
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 03:03	WG1875288
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 03:03	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 03:03	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 03:03	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 03:03	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 03:03	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 03:03	WG1875288
2-Butanone (MEK)	U		0.500	1.00	1	06/08/2022 03:03	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 03:03	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 03:03	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 03:03	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 03:03	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 03:03	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 03:03	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 03:03	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 03:03	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 03:03	WG1875288
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 03:03	WG1875288
Toluene	0.132	U J	0.0500	0.200	1	06/08/2022 03:03	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 03:03	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 03:03	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 03:03	WG1875288

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Trichloroethene	U		0.0160	0.0400	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/08/2022 03:03	<a href="#">WG1875288</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 03:03	<a href="#">WG1875288</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 03:03	<a href="#">WG1875288</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 03:03	<a href="#">WG1875288</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Vinyl chloride	U		0.0273	0.100	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Xylenes, Total	U		0.191	0.260	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/09/2022 01:17	<a href="#">WG1876438</a>
Iodomethane	U		0.242	0.500	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Allyl chloride	U		0.580	1.00	1	06/08/2022 03:03	<a href="#">WG1875288</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 03:03	<a href="#">WG1875288</a>
(S) Toluene-d8	109			75.0-131		06/08/2022 03:03	<a href="#">WG1875288</a>
(S) Toluene-d8	103			75.0-131		06/09/2022 01:17	<a href="#">WG1876438</a>
(S) 4-Bromofluorobenzene	93.9			67.0-138		06/08/2022 03:03	<a href="#">WG1875288</a>
(S) 4-Bromofluorobenzene	95.8			67.0-138		06/09/2022 01:17	<a href="#">WG1876438</a>
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		06/08/2022 03:03	<a href="#">WG1875288</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		06/09/2022 01:17	<a href="#">WG1876438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/5/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 22:27	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:27	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 22:27	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:27	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:27	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 22:27	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 22:27	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:27	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:27	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:27	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 22:27	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:27	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:27	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:27	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 22:27	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:27	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:27	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 22:27	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:27	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:27	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:27	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:27	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:27	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 22:27	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 22:27	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 22:27	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 22:27	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:27	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 22:27	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:27	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:27	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:27	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:27	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:27	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:27	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 22:27	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:27	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:27	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:27	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:27	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:27	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:27	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 22:27	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:27	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:27	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:27	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:27	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:27	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 22:27	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 22:27	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 22:27	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 22:27	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:27	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:27	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:27	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:27	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:27	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Tetrahydrofuran	2.04	J+ C5	0.0900	0.500	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:27	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:27	<a href="#">WG1874160</a>
(S) Toluene-d8	112			75.0-131		06/03/2022 22:27	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	97.8			67.0-138		06/03/2022 22:27	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 22:27	<a href="#">WG1874160</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	50700		5940	50000	10	06/22/2022 06:34	<a href="#">WG1882486</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10500		102	1000	1	06/16/2022 21:53	<a href="#">WG1880781</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3800	J	1400	5000	50	06/21/2022 23:20	<a href="#">WG1875419</a>
Manganese	3970		35.2	250	50	06/21/2022 23:20	<a href="#">WG1875419</a>

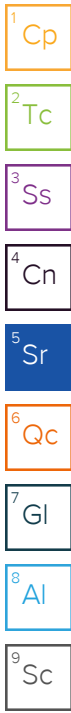
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14100		2.87	6.78	10	06/07/2022 14:13	<a href="#">WG1875670</a>
Ethane	44.0		0.296	1.29	1	06/07/2022 11:09	<a href="#">WG1874346</a>
Ethene	1.90		0.422	1.27	1	06/07/2022 11:09	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.00		0.548	1.00	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Benzene	0.156		0.0160	0.0400	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Bromomethane	U		0.148	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:46	<a href="#">WG1874160</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,1-Dichloroethane	0.126		0.0230	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,2-Dichloroethane	0.105		0.0190	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,1-Dichloroethene	2.53		0.0200	0.100	1	06/03/2022 22:46	<a href="#">WG1874160</a>
cis-1,2-Dichloroethene	514		0.552	2.00	20	06/08/2022 01:47	<a href="#">WG1875475</a>
trans-1,2-Dichloroethene	2.95		0.0572	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:46	<a href="#">WG1874160</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 22:46	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:46	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:46	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:46	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:46	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:46	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:46	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 22:46	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:46	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:46	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:46	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:46	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:46	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:46	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 22:46	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:46	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:46	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:46	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:46	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:46	WG1874160
Tetrachloroethene	718		0.560	2.00	20	06/08/2022 01:47	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 22:46	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 22:46	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 22:46	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:46	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:46	WG1874160
Trichloroethene	267		0.320	0.800	20	06/08/2022 01:47	WG1875475
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:46	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:46	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:46	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:46	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:46	WG1874160
Vinyl chloride	0.716	J+ C5	0.0273	0.100	1	06/03/2022 22:46	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:46	WG1874160
Ethyl Ether	0.0570	J	0.0170	0.100	1	06/03/2022 22:46	WG1874160
Tetrahydrofuran	1.75	J+ C5	0.0900	0.500	1	06/03/2022 22:46	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 22:46	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:46	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:46	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 22:46	WG1874160
(S) Toluene-d8	112			75.0-131		06/08/2022 01:47	WG1875475
(S) 4-Bromofluorobenzene	97.7			67.0-138		06/03/2022 22:46	WG1874160
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/08/2022 01:47	WG1875475
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 22:46	WG1874160
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/08/2022 01:47	WG1875475

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24600		594	5000	1	06/22/2022 23:47	<a href="#">WG1883650</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15800		102	1000	1	06/16/2022 22:57	<a href="#">WG1880781</a>

Metals (ICPMS) by Method 6020B

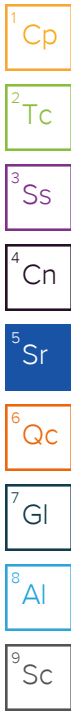
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9620		1400	5000	50	06/21/2022 23:23	<a href="#">WG1875419</a>
Manganese	4770		35.2	250	50	06/21/2022 23:23	<a href="#">WG1875419</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8710		2.87	6.78	10	06/07/2022 14:19	<a href="#">WG1875670</a>
Ethane	19.7		0.296	1.29	1	06/07/2022 11:13	<a href="#">WG1874346</a>
Ethene	1.53		0.422	1.27	1	06/07/2022 11:13	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.74		0.548	1.00	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Benzene	0.207		0.0160	0.0400	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Bromomethane	U		0.148	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Chloroform	U		0.0166	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Chloromethane	U	<del>J1</del>	0.0556	0.500	1	06/03/2022 23:05	<a href="#">WG1874160</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,1-Dichloroethene	0.0260	J	0.0200	0.100	1	06/03/2022 23:05	<a href="#">WG1874160</a>
cis-1,2-Dichloroethene	3.24		0.0276	0.100	1	06/08/2022 00:50	<a href="#">WG1875475</a>
trans-1,2-Dichloroethene	0.121	J	0.0572	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:05	<a href="#">WG1874160</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 23:05	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:05	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:05	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:05	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:05	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 23:05	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:05	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 23:05	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:05	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:05	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:05	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:05	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:05	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:05	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 23:05	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:05	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:05	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:05	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:05	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:05	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 00:50	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 23:05	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 23:05	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 23:05	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:05	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:05	WG1874160
Trichloroethene	0.0870		0.0160	0.0400	1	06/08/2022 00:50	WG1875475
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:05	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:05	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:05	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:05	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:05	WG1874160
Vinyl chloride	5.76	J+ C5	0.0273	0.100	1	06/03/2022 23:05	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:05	WG1874160
Ethyl Ether	0.155	J+ C5	0.0170	0.100	1	06/03/2022 23:05	WG1874160
Tetrahydrofuran	1.11	J+ C5	0.0900	0.500	1	06/03/2022 23:05	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 23:05	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:05	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:05	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 23:05	WG1874160
(S) Toluene-d8	106			75.0-131		06/08/2022 00:50	WG1875475
(S) 4-Bromofluorobenzene	97.6			67.0-138		06/03/2022 23:05	WG1874160
(S) 4-Bromofluorobenzene	98.3			67.0-138		06/08/2022 00:50	WG1875475
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 23:05	WG1874160
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/08/2022 00:50	WG1875475

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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## MEMORANDUM

**TO:** Project File **DATE:** July 21, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413001.10.701 Task 04  
**TASK:** EIM Data Validation Level EPA2A Q2-2022 Group 3 Groundwater  
**LAB:** Pace Sample Delivery Group (SDGs): L1494104, L1496120, and L1496799

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Forty-one (41) groundwater samples (including one field duplicate), one equipment blank, and one trip blank were collected as part of the 2<sup>nd</sup> Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May 12-13 and 17-20, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B.
- Anion (sulfate) by USEPA Method 9056A; and
- Total Organic Carbon (TOC) by USEPA Method 9060A.

The quality assurance review of the laboratory data associated with SDGs L1494104, L1496120, and L1496799 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

The samples were collected and analyzed as requested.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following discussion:

- SDG L1496799: Chain of custody (COC) review indicates that the request for NWTPH-Gx analysis was updated on May 23, 2022. No action is taken other than to note.

### **Holding Times**

#### *USEPA Method 8260D:*

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Sulfate and TOC):*

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

#### *USEPA Method 8260D (VOCs):*

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- All SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each

SDG. These compounds are qualified by the laboratory “C3” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.

**Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- All SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C4” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.  
**Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1496120 – Analytical Batch WG1869646: A low level of chloroform is detected in the method blank at 0.226 µg/L. No action is needed since chloroform is not detected in the associated samples.
- SDG L1496120 – Analytical Batch WG1871367: A low level of cis-1,2-dichloroethene is detected in the method blank at 0.0710 µg/L. No action is needed since cis-1,2-dichloroethene is not detected in the associated samples.

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank with the following exceptions:

- SDG L1496120 – Analytical Batch WG1868643: A low level of gasoline is detected in the method blank at 40.4 µg/L below the RDL (100 µg/L). No action is needed since gasoline is not detected in the associated sample.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blank at or above the RDLs.

#### *USEPA Method 6020B and General Chemistry (Sulfate and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1494104	WG1874179	9060A	TOC	429	J	1000	µg/L	NO
L1494104	WG1867151	6020B	Manganese	0.965	J	5.0	µg/L	NO
L1496120	WG1876276	9060A	TOC	285	J	1000	µg/L	NO
L1496799	WG1877226	9060A	TOC	219	J	1000	µg/L	NO

The target analytes were detected in the method blanks at low levels. No action is taken on this basis since associated sample detections are greater than the RDLs.

### **Trip Blank Results**

*USEPA Method 8260D:*

A trip blank (TB-051322) was collected and submitted for analysis. The target analytes are not detected in the trip blank at or above the RDLs.

### **Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

One equipment blank (EQ-051822) was collected. Details are as follows:

SDG L1496120: The equipment blank (EQ-051822) is associated with samples R-MW5-081722, MW105-051722, MW-158A-051722, MW-302-051722, BB-8-051722, MW-314-051822, MW110-051822, and MW-313-051822 collected from the bladder pump May 17-18, 2022. Low levels of TOC, manganese, methane, and low levels of VOCs (acetone, bromodichloromethane, chlorodibromomethane, and chloroform) are detected in the equipment blank. Actions are as follows:

- TOC was detected in the equipment blank below the RDL at 578 µg/L and in the associated method blank at 285 µg/L. TOC results for associated samples are greater than the RDL and no action is needed.
- Acetone, a common laboratory contaminant, was detected in the equipment blank at 2.83 µg/L and above the RDL (1.00 µg/L). **Associated acetone detection is below the equipment blank detection in sample R-MW5-051722, MW105-051722, and MW-310-051822 are qualified as not detected (U). Acetone detection in sample BB-8-051722 is less than 2X the blank detection and is qualified as not detected (U) due to blank contamination.**
- No action is needed for remaining compounds (bromodichloromethane, chlorodibromomethane, and chloroform) since these compounds are either not detected in the associated samples or are detected significantly greater than the equipment blank detection.

### **Field Duplicate Analyses**

A field duplicate pair was submitted and analyzed as follows:

- SDG L1496799: Sample MW121-051922 and field duplicate MW-970-051922. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair.

### **Laboratory Duplicate Analyses**

#### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

#### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample results for accuracy data.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20% or  $\pm$  1x RDL for groundwater results <5X the RDL with the following discussion:

- SDG L1496120: Laboratory duplicate analysis for dissolved gases was performed on the equipment blank sample. Ethane duplicate results are laboratory qualified (JP1) to indicate that the results near the RDL and that the absolute difference criteria was met.

#### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

#### *General Chemistry (Sulfate and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm$  1x RDL for groundwater results <5X the RDL.

### **Surrogate Recoveries**

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

#### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, and the blanks are within the laboratory surrogate control limits.

### **Laboratory Control Samples**

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or

LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1494104 – Analytical batch WG1868284: LCS/LCSD recoveries for chloromethane is above QC criteria and laboratory qualified (J4). No action is needed since chloromethane is not detected in the associated samples. LCS recovery for 1,2,3-trichlorobenzene falls below laboratory acceptance criteria but no action is taken since LCSD and RPD are within criteria. LCS/LCSD recoveries for hexachloro-1,3-butadiene, and 1,2,4-trichlorobenzene are below QC criteria. **All associated sample results for hexachloro-1,3-butadiene and 1,2,4-trichlorobenzene are estimated and qualified (UJ).**
- SDG L1494104 – Analytical batch WG1868350: LCS recovery for bromomethane is below QC criteria but no action is needed since the LCSD and RPD criteria are within. LCS/LCSD recovery and RPD for trans-1,4-dichloro-2-butene are below or outside of QC criteria. **All associated sample results for trans-1,4-dichloro-2-butene are estimated and qualified (UJ).**
- SDG L1494104 – Analytical batch WG1869164: LCS/LCSD RPD vinyl chloride is outside of control limit criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD recoveries are within criteria.

*NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %Rs for gasoline are within the laboratory control criteria.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Sulfate and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample for precision and accuracy results.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to laboratory control sample and field duplicate results for accuracy and precision results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1496120: MS/MSD analyses was performed on sample R-MW5-051722. Manganese MS/MSD recoveries exceed laboratory acceptance criteria. No action is taken on this basis since the sample amount is 4X greater than the spike concentration. Iron and manganese results are also laboratory qualified (O1) to indicate that the associated serial dilution or post spike recovery did not meet laboratory acceptance criteria. **Manganese and iron results for sample R-MW5-051722 are estimated and qualified (J) due to serial dilution and/or post spike recovery failure to meet acceptance criteria.**

*General Chemistry (Sulfate and TOC):*

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for this SDG was provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

**Compound Identification and Quantitation Limits**

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions. No action is taken other than to note this.

**Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	28500		594	5000	1	06/07/2022 12:52	<a href="#">WG1875477</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1590	<del>B</del>	102	1000	1	06/04/2022 15:52	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1330		28.1	100	1	05/24/2022 00:36	<a href="#">WG1867151</a>
Manganese	177		0.704	5.00	1	05/24/2022 00:36	<a href="#">WG1867151</a>

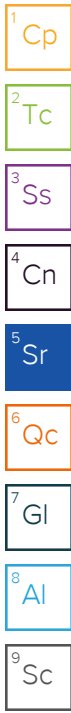
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	82.4		0.287	0.678	1	05/24/2022 10:52	<a href="#">WG1867441</a>
Ethane	2.06		0.296	1.29	1	05/24/2022 10:52	<a href="#">WG1867441</a>
Ethene	0.576	J	0.422	1.27	1	05/24/2022 10:52	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.23	J- C3	0.548	1.00	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Benzene	U		0.0160	0.0400	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Chloroethane	U		0.0432	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:03	<a href="#">WG1868350</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/24/2022 12:03	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:03	<a href="#">WG1868350</a>

JC 7/7/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 12:03	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:03	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:03	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 12:03	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:03	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:03	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:03	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:03	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:03	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:03	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 12:03	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:03	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 12:03	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:03	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:03	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:03	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:03	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:03	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 12:03	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:03	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:03	WG1868350
Toluene	0.0570	J	0.0500	0.200	1	05/24/2022 12:03	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 12:03	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 12:03	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:03	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:03	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:03	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:03	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:03	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:03	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:03	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:03	WG1868350
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 12:03	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:03	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:03	WG1868350
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 12:03	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 12:03	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:03	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 12:03	WG1868350
(S) Toluene-d8	97.8			75.0-131		05/24/2022 12:03	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 12:03	WG1868350
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/24/2022 12:03	WG1868350

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 12:22	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 12:22	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 12:22	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:22	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:22	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 12:22	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 12:22	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:22	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:22	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:22	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:22	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:22	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 12:22	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 12:22	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 12:22	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:22	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:22	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 12:22	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:22	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:22	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:22	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:22	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:22	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:22	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:22	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 12:22	WG1868350
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/24/2022 12:22	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:22	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 12:22	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:22	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:22	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 12:22	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:22	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:22	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:22	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:22	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:22	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:22	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 12:22	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:22	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 12:22	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:22	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:22	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:22	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:22	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:22	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 12:22	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:22	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:22	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 12:22	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 12:22	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 12:22	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:22	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:22	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:22	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:22	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:22	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Tetrahydrofuran	2.02	J- C3	0.0900	0.500	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:22	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 12:22	<a href="#">WG1868350</a>
(S) Toluene-d8	99.1			75.0-131		05/24/2022 12:22	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 12:22	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		05/24/2022 12:22	<a href="#">WG1868350</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	49300		594	5000	1	06/07/2022 02:28	<a href="#">WG1875187</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8620		102	1000	1	06/04/2022 16:10	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5680		28.1	100	1	05/24/2022 00:39	<a href="#">WG1867151</a>
Manganese	1590		0.704	5.00	1	05/24/2022 00:39	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8600		2.87	6.78	10	05/24/2022 15:14	<a href="#">WG1869455</a>
Ethane	18.0		0.296	1.29	1	05/24/2022 10:44	<a href="#">WG1867441</a>
Ethene	61.7		0.422	1.27	1	05/24/2022 10:44	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Benzene	U		0.0160	0.0400	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Chloroethane	1.86		0.0432	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:41	<a href="#">WG1868350</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,1-Dichloroethene	0.0790	J	0.0200	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	6.55		0.0276	0.100	1	05/24/2022 12:41	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:41	<a href="#">WG1868350</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 12:41	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:41	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:41	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 12:41	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:41	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:41	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:41	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:41	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:41	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:41	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 12:41	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:41	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 12:41	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:41	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:41	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:41	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:41	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:41	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 12:41	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:41	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:41	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 12:41	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 12:41	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 12:41	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:41	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:41	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:41	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:41	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:41	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:41	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:41	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:41	WG1868350
Vinyl chloride	31.5		0.0273	0.100	1	05/24/2022 12:41	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:41	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:41	WG1868350
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 12:41	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 12:41	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:41	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 12:41	WG1868350
(S) Toluene-d8	100			75.0-131		05/24/2022 12:41	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 12:41	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 12:41	WG1868350

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4840	J	594	5000	1	06/07/2022 02:41	<a href="#">WG1875187</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1880	<del>B</del>	102	1000	1	06/04/2022 16:26	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9530		28.1	100	1	05/24/2022 00:44	<a href="#">WG1867151</a>
Manganese	589		0.704	5.00	1	05/24/2022 00:44	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	152		0.287	0.678	1	05/24/2022 10:55	<a href="#">WG1867441</a>
Ethane	1.02	J	0.296	1.29	1	05/24/2022 10:55	<a href="#">WG1867441</a>
Ethene	3.89		0.422	1.27	1	05/24/2022 10:55	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Benzene	U		0.0160	0.0400	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Chloroethane	U		0.0432	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:00	<a href="#">WG1868350</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,1-Dichloroethene	0.336		0.0200	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	6.01		0.0276	0.100	1	05/24/2022 13:00	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	0.332		0.0572	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:00	<a href="#">WG1868350</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:00	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:00	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:00	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 13:00	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:00	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:00	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:00	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:00	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:00	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:00	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 13:00	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:00	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 13:00	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:00	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:00	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:00	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:00	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:00	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 13:00	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:00	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:00	WG1868350
Toluene	0.0790	J	0.0500	0.200	1	05/24/2022 13:00	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 13:00	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 13:00	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:00	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:00	WG1868350
Trichloroethene	0.0960		0.0160	0.0400	1	05/24/2022 13:00	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:00	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:00	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:00	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:00	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:00	WG1868350
Vinyl chloride	18.7		0.0273	0.100	1	05/24/2022 13:00	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:00	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:00	WG1868350
Tetrahydrofuran	1.32	J- C3	0.0900	0.500	1	05/24/2022 13:00	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 13:00	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:00	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 13:00	WG1868350
(S) Toluene-d8	99.7			75.0-131		05/24/2022 13:00	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 13:00	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 13:00	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	98400		2970	25000	5	06/06/2022 04:43	<a href="#">WG1874224</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1260	<span style="color: red;">B</span>	102	1000	1	06/04/2022 17:21	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

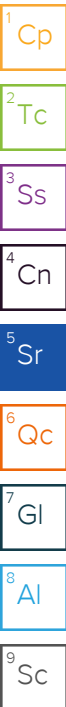
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1750		28.1	100	1	05/24/2022 00:47	<a href="#">WG1867151</a>
Manganese	385		0.704	5.00	1	05/24/2022 00:47	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	112		0.287	0.678	1	05/24/2022 11:04	<a href="#">WG1867441</a>
Ethane	1.31		0.296	1.29	1	05/24/2022 11:04	<a href="#">WG1867441</a>
Ethene	U		0.422	1.27	1	05/24/2022 11:04	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Acrylonitrile	U		0.0760	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Benzene	0.0300	<span style="color: blue;">J</span>	0.0160	0.0400	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Bromobenzene	U		0.0420	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Bromodichloromethane	U		0.0315	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Bromoform	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.239	1.00	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Bromomethane	U		0.148	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
n-Butylbenzene	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.153	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
sec-Butylbenzene	U		0.101	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Chlorobenzene	U		0.0229	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Chloroethane	U		0.0432	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Chloroform	0.0730	<span style="color: blue;">J</span>	0.0166	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Chloromethane	U	<span style="color: blue;">J4</span>	0.0556	0.500	1	05/23/2022 20:52	<a href="#">WG1868284</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,2-Dibromo-3-Chloropropane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.204	1.00	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Dibromomethane	U		0.0400	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,1-Dichloroethane	1.76		0.0230	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,2-Dichloroethane	0.223		0.0190	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,1-Dichloroethene	0.324		0.0200	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
cis-1,2-Dichloroethene	23.2		0.0276	0.100	1	05/23/2022 20:52	<a href="#">WG1868284</a>
trans-1,2-Dichloroethene	0.0690	<span style="color: blue;">J</span>	0.0572	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/23/2022 20:52	<a href="#">WG1868284</a>



JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/23/2022 20:52	WG1868284
1,3-Dichloropropane	U		0.0700	0.200	1	05/23/2022 20:52	WG1868284
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/23/2022 20:52	WG1868284
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/23/2022 20:52	WG1868284
2,2-Dichloropropane	U		0.0317	0.100	1	05/23/2022 20:52	WG1868284
Di-isopropyl ether	U		0.0140	0.0400	1	05/23/2022 20:52	WG1868284
Ethylbenzene	U		0.0212	0.100	1	05/23/2022 20:52	WG1868284
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	05/23/2022 20:52	WG1868284
Isopropylbenzene	U		0.0345	0.100	1	05/23/2022 20:52	WG1868284
p-Isopropyltoluene	U		0.0932	0.200	1	05/23/2022 20:52	WG1868284
2-Butanone (MEK)	U		0.500	1.00	1	05/23/2022 20:52	WG1868284
Methylene Chloride	U		0.265	1.00	1	05/23/2022 20:52	WG1868284
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/23/2022 20:52	WG1868284
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/23/2022 20:52	WG1868284
Naphthalene	U	UJ C3	0.124	0.500	1	05/23/2022 20:52	WG1868284
n-Propylbenzene	U		0.0472	0.200	1	05/23/2022 20:52	WG1868284
Styrene	U		0.109	0.500	1	05/23/2022 20:52	WG1868284
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/23/2022 20:52	WG1868284
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/23/2022 20:52	WG1868284
1,1,2-Trichlorotrifluoroethane	0.322		0.0270	0.100	1	05/23/2022 20:52	WG1868284
Tetrachloroethene	39.3		0.0280	0.100	1	05/23/2022 20:52	WG1868284
Toluene	U		0.0500	0.200	1	05/23/2022 20:52	WG1868284
1,2,3-Trichlorobenzene	U	UJ C4 J4	0.0250	0.500	1	05/23/2022 20:52	WG1868284
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	05/23/2022 20:52	WG1868284
1,1,1-Trichloroethane	0.185		0.0110	0.100	1	05/23/2022 20:52	WG1868284
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/23/2022 20:52	WG1868284
Trichloroethene	12.9		0.0160	0.0400	1	05/23/2022 20:52	WG1868284
Trichlorofluoromethane	U		0.0200	0.100	1	05/23/2022 20:52	WG1868284
1,2,3-Trichloropropane	U		0.204	0.500	1	05/23/2022 20:52	WG1868284
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/23/2022 20:52	WG1868284
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/23/2022 20:52	WG1868284
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/23/2022 20:52	WG1868284
Vinyl chloride	0.469		0.0273	0.100	1	05/23/2022 20:52	WG1868284
Xylenes, Total	U		0.191	0.260	1	05/23/2022 20:52	WG1868284
Ethyl Ether	U		0.0170	0.100	1	05/23/2022 20:52	WG1868284
Tetrahydrofuran	U		0.0900	0.500	1	05/23/2022 20:52	WG1868284
Iodomethane	U		0.242	0.500	1	05/23/2022 20:52	WG1868284
Allyl chloride	U		0.580	1.00	1	05/23/2022 20:52	WG1868284
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/23/2022 20:52	WG1868284
(S) Toluene-d8	108			75.0-131		05/23/2022 20:52	WG1868284
(S) 4-Bromofluorobenzene	101			67.0-138		05/23/2022 20:52	WG1868284
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/23/2022 20:52	WG1868284

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10700		594	5000	1	06/07/2022 13:52	<a href="#">WG1875477</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	42900		102	1000	1	06/04/2022 17:43	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	32900		28.1	100	1	05/24/2022 01:04	<a href="#">WG1867151</a>
Manganese	1140		0.704	5.00	1	05/24/2022 01:04	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18900		2.87	6.78	10	05/24/2022 15:18	<a href="#">WG1869455</a>
Ethane	399		0.296	1.29	1	05/24/2022 11:12	<a href="#">WG1867441</a>
Ethene	1450		0.422	1.27	1	05/24/2022 11:12	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	338	J- C3	137	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	19.0	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Benzene	U		4.00	10.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Bromobenzene	U		10.5	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Bromodichloromethane	U		7.88	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	59.8	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Bromomethane	U		37.0	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
n-Butylbenzene	U		38.3	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
sec-Butylbenzene	U		25.3	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
tert-Butylbenzene	U		15.5	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Carbon tetrachloride	U		10.8	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Chlorobenzene	U		5.73	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	4.50	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Chloroethane	U		10.8	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Chloroform	U		4.15	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Chloromethane	U		13.9	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
2-Chlorotoluene	U		9.20	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
4-Chlorotoluene	U		11.3	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	51.0	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		5.25	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Dibromomethane	U		10.0	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		8.18	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		5.75	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		4.75	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1-Dichloroethene	32.8		5.00	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	9310		6.90	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	66.3		14.3	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		12.7	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		7.00	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,3-Dichloropropane	U		17.5	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
cis-1,3-Dichloropropene	U		6.78	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
trans-1,3-Dichloropropene	U	UJ C3	15.3	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
2,2-Dichloropropane	U		7.93	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Di-isopropyl ether	U		3.50	10.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Ethylbenzene	U		5.30	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Hexachloro-1,3-butadiene	U		127	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Isopropylbenzene	U		8.63	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
p-Isopropyltoluene	U		23.3	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
2-Butanone (MEK)	U	UJ C3	125	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Methylene Chloride	U		66.3	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
4-Methyl-2-pentanone (MIBK)	U	UJ C3	100	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Methyl tert-butyl ether	U		2.95	10.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Naphthalene	U		31.0	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
n-Propylbenzene	U		11.8	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Styrene	U		27.3	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	3.90	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Tetrachloroethene	U		7.00	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Toluene	U		12.5	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2,3-Trichlorobenzene	U	UJ C4	6.25	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2,4-Trichlorobenzene	U	UJ C4	48.3	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,1,2-Trichloroethane	U		8.83	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Trichloroethene	U		4.00	10.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		5.00	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		51.0	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Vinyl chloride	3200		6.82	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Xylenes, Total	U		47.8	65.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Ethyl Ether	U		4.25	25.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Tetrahydrofuran	U	UJ C3	22.5	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Iodomethane	U		60.5	125	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Allyl chloride	U		145	250	250	05/24/2022 17:08	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	14.0	50.0	250	05/24/2022 17:08	<a href="#">WG1868350</a>
(S) Toluene-d8	99.1			75.0-131		05/24/2022 17:08	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 17:08	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 17:08	<a href="#">WG1868350</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/07/2022 14:07	<a href="#">WG1875477</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	23100		102	1000	1	06/04/2022 18:03	<a href="#">WG1874179</a>

Metals (ICPMS) by Method 6020B

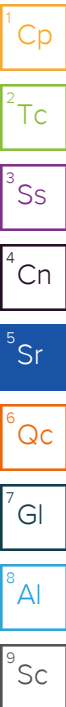
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	17800		28.1	100	1	05/24/2022 01:07	<a href="#">WG1867151</a>
Manganese	3160		0.704	5.00	1	05/24/2022 01:07	<a href="#">WG1867151</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	27300		2.87	6.78	10	05/24/2022 15:21	<a href="#">WG1869455</a>
Ethane	488		0.296	1.29	1	05/24/2022 11:33	<a href="#">WG1867441</a>
Ethene	406		0.422	1.27	1	05/24/2022 11:33	<a href="#">WG1867441</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.18	J- C3	0.548	1.00	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Benzene	0.141		0.0160	0.0400	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Chloroethane	U		0.0432	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Chloromethane	U		0.0556	0.500	1	05/24/2022 17:27	<a href="#">WG1868350</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,1-Dichloroethene	0.986		0.0200	0.100	1	05/24/2022 17:27	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	938		1.38	5.00	50	05/25/2022 21:29	<a href="#">WG1869164</a>
trans-1,2-Dichloroethene	23.1		0.0572	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 17:27	<a href="#">WG1868350</a>



JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 17:27	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 17:27	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 17:27	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 17:27	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 17:27	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 17:27	WG1868350
Ethylbenzene	0.0340	J	0.0212	0.100	1	05/24/2022 17:27	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 17:27	WG1868350
Isopropylbenzene	0.0620	J	0.0345	0.100	1	05/24/2022 17:27	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 17:27	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 17:27	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 17:27	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 17:27	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 17:27	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 17:27	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 17:27	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 17:27	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 17:27	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 17:27	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 17:27	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 17:27	WG1868350
Toluene	0.446		0.0500	0.200	1	05/24/2022 17:27	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 17:27	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 17:27	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 17:27	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 17:27	WG1868350
Trichloroethene	0.153		0.0160	0.0400	1	05/24/2022 17:27	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 17:27	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 17:27	WG1868350
1,2,4-Trimethylbenzene	0.0650	J	0.0464	0.200	1	05/24/2022 17:27	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 17:27	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 17:27	WG1868350
Vinyl chloride	808	J3	1.36	5.00	50	05/25/2022 21:29	WG1869164
Xylenes, Total	U		0.191	0.260	1	05/24/2022 17:27	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 17:27	WG1868350
Tetrahydrofuran	3.89	J- C3	0.0900	0.500	1	05/24/2022 17:27	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 17:27	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 17:27	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 17:27	WG1868350
(S) Toluene-d8	98.9			75.0-131		05/24/2022 17:27	WG1868350
(S) Toluene-d8	100			75.0-131		05/25/2022 21:29	WG1869164
(S) 4-Bromofluorobenzene	103			67.0-138		05/24/2022 17:27	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/25/2022 21:29	WG1869164
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/24/2022 17:27	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/25/2022 21:29	WG1869164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.45	J- C3	0.548	1.00	1	05/24/2022 13:19	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 13:19	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:19	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:19	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:19	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 13:19	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:19	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:19	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:19	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:19	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:19	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:19	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 13:19	WG1868350
Chloroethane	0.352		0.0432	0.200	1	05/24/2022 13:19	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:19	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:19	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:19	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 13:19	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:19	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:19	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:19	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:19	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:19	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:19	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:19	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:19	WG1868350
cis-1,2-Dichloroethene	0.194		0.0276	0.100	1	05/24/2022 13:19	WG1868350
trans-1,2-Dichloroethene	1.55		0.0572	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:19	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:19	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:19	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:19	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 13:19	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:19	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:19	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:19	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:19	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:19	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:19	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 13:19	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:19	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 13:19	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:19	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:19	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:19	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:19	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:19	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 13:19	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:19	WG1868350
Tetrachloroethene	0.0940	J	0.0280	0.100	1	05/24/2022 13:19	WG1868350
Toluene	0.111	J	0.0500	0.200	1	05/24/2022 13:19	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 13:19	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 13:19	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:19	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Trichloroethene	0.0430		0.0160	0.0400	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:19	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:19	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:19	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:19	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Vinyl chloride	0.572		0.0273	0.100	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:19	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 13:19	<a href="#">WG1868350</a>
(S) Toluene-d8	100			75.0-131		05/24/2022 13:19	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 13:19	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 13:19	<a href="#">WG1868350</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 13:38	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 13:38	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:38	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:38	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:38	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 13:38	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:38	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:38	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:38	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:38	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:38	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:38	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 13:38	WG1868350
Chloroethane	0.166	J	0.0432	0.200	1	05/24/2022 13:38	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:38	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:38	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:38	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 13:38	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:38	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:38	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:38	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:38	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:38	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:38	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:38	WG1868350
1,1-Dichloroethene	0.0930	J	0.0200	0.100	1	05/24/2022 13:38	WG1868350
cis-1,2-Dichloroethene	9.42		0.0276	0.100	1	05/24/2022 13:38	WG1868350
trans-1,2-Dichloroethene	0.117	J	0.0572	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:38	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:38	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:38	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:38	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 13:38	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:38	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:38	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:38	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:38	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:38	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:38	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 13:38	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:38	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 13:38	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:38	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:38	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:38	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:38	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:38	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 13:38	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:38	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:38	WG1868350
Toluene	0.200	J	0.0500	0.200	1	05/24/2022 13:38	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 13:38	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 13:38	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:38	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

IC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Trichloroethene	0.0490		0.0160	0.0400	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:38	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:38	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:38	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:38	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Vinyl chloride	1.68		0.0273	0.100	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Xylenes, Total	0.194	J	0.191	0.260	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Tetrahydrofuran	0.509	J- C3	0.0900	0.500	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:38	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 13:38	<a href="#">WG1868350</a>
(S) Toluene-d8	100			75.0-131		05/24/2022 13:38	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 13:38	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 13:38	<a href="#">WG1868350</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.75	J- C3	0.548	1.00	1	05/24/2022 17:46	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 17:46	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 17:46	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 17:46	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 17:46	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 17:46	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 17:46	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 17:46	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 17:46	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 17:46	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 17:46	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 17:46	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 17:46	WG1868350
Chloroethane	1.03		0.0432	0.200	1	05/24/2022 17:46	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 17:46	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 17:46	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 17:46	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 17:46	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 17:46	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 17:46	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 17:46	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 17:46	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 17:46	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 17:46	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 17:46	WG1868350
1,1-Dichloroethene	0.104		0.0200	0.100	1	05/24/2022 17:46	WG1868350
cis-1,2-Dichloroethene	2.75		0.276	1.00	10	05/25/2022 21:48	WG1869164
trans-1,2-Dichloroethene	0.741		0.0572	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 17:46	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 17:46	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 17:46	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 17:46	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 17:46	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 17:46	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 17:46	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 17:46	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 17:46	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 17:46	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 17:46	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 17:46	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 17:46	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 17:46	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 17:46	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 17:46	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 17:46	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 17:46	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 17:46	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 17:46	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 17:46	WG1868350
Tetrachloroethene	0.0470	J	0.0280	0.100	1	05/24/2022 17:46	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 17:46	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 17:46	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 17:46	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 17:46	WG1868350

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Trichloroethene	0.149		0.0160	0.0400	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 17:46	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 17:46	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 17:46	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 17:46	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Vinyl chloride	119	<del>J3</del>	0.273	1.00	10	05/25/2022 21:48	<a href="#">WG1869164</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 17:46	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 17:46	<a href="#">WG1868350</a>
(S) Toluene-d8	99.5			75.0-131		05/24/2022 17:46	<a href="#">WG1868350</a>
(S) Toluene-d8	103			75.0-131		05/25/2022 21:48	<a href="#">WG1869164</a>
(S) 4-Bromofluorobenzene	103			67.0-138		05/24/2022 17:46	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	108			67.0-138		05/25/2022 21:48	<a href="#">WG1869164</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 17:46	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/25/2022 21:48	<a href="#">WG1869164</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 13:57	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 13:57	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:57	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:57	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:57	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 13:57	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:57	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:57	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:57	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:57	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:57	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:57	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 13:57	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 13:57	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:57	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:57	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:57	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 13:57	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:57	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:57	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:57	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:57	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:57	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:57	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:57	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:57	WG1868350
cis-1,2-Dichloroethene	0.312		0.0276	0.100	1	05/24/2022 13:57	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:57	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:57	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:57	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:57	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 13:57	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:57	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:57	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:57	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:57	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:57	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:57	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 13:57	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:57	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 13:57	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:57	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:57	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:57	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:57	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:57	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 13:57	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:57	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:57	WG1868350
Toluene	0.155	J	0.0500	0.200	1	05/24/2022 13:57	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 13:57	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 13:57	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:57	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:57	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:57	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:57	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:57	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Vinyl chloride	0.167		0.0273	0.100	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Tetrahydrofuran	0.215	J C3 J	0.0900	0.500	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:57	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 13:57	<a href="#">WG1868350</a>
(S) Toluene-d8	99.1			75.0-131		05/24/2022 13:57	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 13:57	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 13:57	<a href="#">WG1868350</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 14:17	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 14:17	WG1868350
Benzene	0.0370	J	0.0160	0.0400	1	05/24/2022 14:17	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:17	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:17	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 14:17	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:17	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:17	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:17	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:17	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:17	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:17	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 14:17	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:17	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:17	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:17	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:17	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 14:17	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:17	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:17	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:17	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:17	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:17	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:17	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:17	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:17	WG1868350
cis-1,2-Dichloroethene	0.664		0.0276	0.100	1	05/24/2022 14:17	WG1868350
trans-1,2-Dichloroethene	0.717		0.0572	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:17	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:17	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:17	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:17	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 14:17	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:17	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:17	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:17	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:17	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:17	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:17	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 14:17	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:17	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 14:17	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:17	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:17	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:17	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:17	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:17	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 14:17	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:17	WG1868350
Tetrachloroethene	0.0380	J	0.0280	0.100	1	05/24/2022 14:17	WG1868350
Toluene	0.0600	J	0.0500	0.200	1	05/24/2022 14:17	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 14:17	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 14:17	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:17	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Trichloroethene	0.0980		0.0160	0.0400	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:17	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:17	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:17	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:17	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Vinyl chloride	4.69		0.0273	0.100	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Tetrahydrofuran	0.762	J- C3	0.0900	0.500	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:17	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 14:17	<a href="#">WG1868350</a>
(S) Toluene-d8	99.7			75.0-131		05/24/2022 14:17	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:17	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 14:17	<a href="#">WG1868350</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

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Sr

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Qc

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Gl

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Al

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Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 14:36	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 14:36	WG1868350
Benzene	0.151		0.0160	0.0400	1	05/24/2022 14:36	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:36	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:36	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 14:36	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:36	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:36	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:36	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:36	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:36	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:36	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 14:36	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:36	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:36	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:36	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:36	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 14:36	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:36	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:36	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:36	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:36	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:36	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:36	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:36	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:36	WG1868350
cis-1,2-Dichloroethene	0.0760	J	0.0276	0.100	1	05/24/2022 14:36	WG1868350
trans-1,2-Dichloroethene	0.474		0.0572	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:36	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:36	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:36	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:36	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 14:36	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:36	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:36	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:36	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:36	WG1868350
Isopropylbenzene	0.151		0.0345	0.100	1	05/24/2022 14:36	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:36	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 14:36	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:36	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 14:36	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:36	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:36	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:36	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:36	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:36	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 14:36	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:36	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:36	WG1868350
Toluene	0.117	J	0.0500	0.200	1	05/24/2022 14:36	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 14:36	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 14:36	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:36	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Trichloroethene	0.0430		0.0160	0.0400	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:36	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:36	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:36	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:36	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Vinyl chloride	0.253		0.0273	0.100	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Tetrahydrofuran	4.58	J- C3	0.0900	0.500	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:36	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 14:36	<a href="#">WG1868350</a>
(S) Toluene-d8	102			75.0-131		05/24/2022 14:36	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:36	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 14:36	<a href="#">WG1868350</a>

1  
Cp

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Tc

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Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

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Al

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Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 14:55	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 14:55	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 14:55	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:55	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:55	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 14:55	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:55	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:55	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:55	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:55	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:55	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:55	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 14:55	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:55	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:55	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:55	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:55	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 14:55	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:55	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:55	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:55	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:55	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:55	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:55	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:55	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:55	WG1868350
cis-1,2-Dichloroethene	0.101		0.0276	0.100	1	05/24/2022 14:55	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:55	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:55	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:55	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:55	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 14:55	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:55	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:55	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:55	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:55	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:55	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:55	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 14:55	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:55	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 14:55	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:55	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:55	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:55	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:55	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:55	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 14:55	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:55	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:55	WG1868350
Toluene	0.123	J	0.0500	0.200	1	05/24/2022 14:55	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 14:55	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 14:55	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:55	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:55	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:55	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:55	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:55	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Vinyl chloride	0.583		0.0273	0.100	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Tetrahydrofuran	0.531	J- C3	0.0900	0.500	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:55	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 14:55	<a href="#">WG1868350</a>
(S) Toluene-d8	100			75.0-131		05/24/2022 14:55	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:55	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 14:55	<a href="#">WG1868350</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 15:14	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 15:14	WG1868350
Benzene	0.0890		0.0160	0.0400	1	05/24/2022 15:14	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:14	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:14	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 15:14	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:14	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:14	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:14	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:14	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:14	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:14	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 15:14	WG1868350
Chloroethane	0.0970	J	0.0432	0.200	1	05/24/2022 15:14	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:14	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:14	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:14	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 15:14	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:14	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:14	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:14	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:14	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:14	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:14	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:14	WG1868350
1,1-Dichloroethene	0.0970	J	0.0200	0.100	1	05/24/2022 15:14	WG1868350
cis-1,2-Dichloroethene	0.206		0.0276	0.100	1	05/24/2022 15:14	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:14	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:14	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:14	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:14	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 15:14	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:14	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:14	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:14	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:14	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:14	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:14	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 15:14	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:14	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 15:14	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:14	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:14	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:14	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:14	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:14	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 15:14	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:14	WG1868350
Tetrachloroethene	0.0410	J	0.0280	0.100	1	05/24/2022 15:14	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:14	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 15:14	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 15:14	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:14	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Trichloroethene	0.0550		0.0160	0.0400	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:14	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:14	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:14	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:14	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Vinyl chloride	2.53		0.0273	0.100	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Tetrahydrofuran	1.42	J- C3	0.0900	0.500	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:14	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 15:14	<a href="#">WG1868350</a>
(S) Toluene-d8	101			75.0-131		05/24/2022 15:14	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 15:14	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/24/2022 15:14	<a href="#">WG1868350</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 15:33	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 15:33	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 15:33	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:33	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:33	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 15:33	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:33	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:33	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:33	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:33	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:33	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:33	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 15:33	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 15:33	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:33	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:33	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:33	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 15:33	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:33	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:33	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:33	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:33	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:33	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:33	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:33	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 15:33	WG1868350
cis-1,2-Dichloroethene	0.237		0.0276	0.100	1	05/24/2022 15:33	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:33	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:33	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:33	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:33	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 15:33	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:33	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:33	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:33	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:33	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:33	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:33	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 15:33	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:33	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 15:33	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:33	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:33	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:33	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:33	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:33	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 15:33	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:33	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 15:33	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:33	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 15:33	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 15:33	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:33	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/17/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:33	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:33	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:33	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:33	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Vinyl chloride	0.330		0.0273	0.100	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:33	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 15:33	<a href="#">WG1868350</a>
(S) Toluene-d8	99.9			75.0-131		05/24/2022 15:33	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	107			67.0-138		05/24/2022 15:33	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 15:33	<a href="#">WG1868350</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/24/2022 15:52	WG1868350
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 15:52	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 15:52	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:52	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:52	WG1868350
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 15:52	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:52	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:52	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:52	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:52	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:52	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:52	WG1868350
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 15:52	WG1868350
Chloroethane	0.358		0.0432	0.200	1	05/24/2022 15:52	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:52	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:52	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:52	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 15:52	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:52	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:52	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:52	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:52	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:52	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:52	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:52	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 15:52	WG1868350
cis-1,2-Dichloroethene	0.488		0.0276	0.100	1	05/24/2022 15:52	WG1868350
trans-1,2-Dichloroethene	1.46		0.0572	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:52	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:52	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:52	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:52	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 15:52	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:52	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:52	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:52	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:52	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:52	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:52	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 15:52	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:52	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 15:52	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:52	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:52	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:52	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:52	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:52	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 15:52	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:52	WG1868350
Tetrachloroethene	0.138		0.0280	0.100	1	05/24/2022 15:52	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:52	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 15:52	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 15:52	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:52	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Trichloroethene	0.0510		0.0160	0.0400	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:52	<a href="#">WG1868350</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:52	<a href="#">WG1868350</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:52	<a href="#">WG1868350</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:52	<a href="#">WG1868350</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Vinyl chloride	4.18		0.0273	0.100	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Iodomethane	U		0.242	0.500	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:52	<a href="#">WG1868350</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 15:52	<a href="#">WG1868350</a>
(S) Toluene-d8	98.8			75.0-131		05/24/2022 15:52	<a href="#">WG1868350</a>
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 15:52	<a href="#">WG1868350</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 15:52	<a href="#">WG1868350</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2660	J	594	5000	1	06/07/2022 14:52	<a href="#">WG1875477</a>

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15700		102	1000	1	06/04/2022 19:19	<a href="#">WG1874179</a>

3 Ss

4 Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3540		28.1	100	1	05/24/2022 01:11	<a href="#">WG1867151</a>
Manganese	836		0.704	5.00	1	05/24/2022 01:11	<a href="#">WG1867151</a>

5 Sr

6 Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23400		2.87	6.78	10	05/24/2022 15:23	<a href="#">WG1869455</a>
Ethane	115		0.296	1.29	1	05/24/2022 11:39	<a href="#">WG1867441</a>
Ethene	15.5		0.422	1.27	1	05/24/2022 11:39	<a href="#">WG1867441</a>

7 Gl

8 Al

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.42	J- C3	0.548	1.00	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Benzene	0.0780		0.0160	0.0400	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Bromobenzene	U		0.0420	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Bromoform	U	UJ C3 J4	0.239	1.00	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Bromomethane	U		0.148	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Chlorodibromomethane	U	UJ C3	0.0180	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Chloroethane	U		0.0432	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Chloroform	U		0.0166	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Chloromethane	U		0.0556	0.500	1	05/24/2022 16:11	<a href="#">WG1868350</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Dibromomethane	U		0.0400	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,1-Dichloroethene	0.0850	J	0.0200	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
cis-1,2-Dichloroethene	0.255		0.0276	0.100	1	05/24/2022 16:11	<a href="#">WG1868350</a>
trans-1,2-Dichloroethene	0.370		0.0572	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 16:11	<a href="#">WG1868350</a>

9 Sc

JC 7/7/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 16:11	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 16:11	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 16:11	WG1868350
trans-1,3-Dichloropropene	U	UJ C3	0.0612	0.200	1	05/24/2022 16:11	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 16:11	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 16:11	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 16:11	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 16:11	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 16:11	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 16:11	WG1868350
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/24/2022 16:11	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 16:11	WG1868350
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/24/2022 16:11	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 16:11	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 16:11	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 16:11	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 16:11	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 16:11	WG1868350
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/24/2022 16:11	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 16:11	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 16:11	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 16:11	WG1868350
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/24/2022 16:11	WG1868350
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/24/2022 16:11	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 16:11	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 16:11	WG1868350
Trichloroethene	0.0370	J	0.0160	0.0400	1	05/24/2022 16:11	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 16:11	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 16:11	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 16:11	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 16:11	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 16:11	WG1868350
Vinyl chloride	5.29		0.0273	0.100	1	05/24/2022 16:11	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 16:11	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 16:11	WG1868350
Tetrahydrofuran	2.83	J- C3	0.0900	0.500	1	05/24/2022 16:11	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 16:11	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 16:11	WG1868350
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3 J4	0.0560	0.200	1	05/24/2022 16:11	WG1868350
(S) Toluene-d8	98.9			75.0-131		05/24/2022 16:11	WG1868350
(S) 4-Bromofluorobenzene	102			67.0-138		05/24/2022 16:11	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 16:11	WG1868350

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9570		594	5000	1	06/09/2022 21:29	<a href="#">WG1876152</a>

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6800		102	1000	1	06/09/2022 05:53	<a href="#">WG1876276</a>

## Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6280	J O1	28.1	100	1	05/29/2022 19:13	<a href="#">WG1869882</a>
Manganese	3160	J O1 V	0.704	5.00	1	05/29/2022 19:13	<a href="#">WG1869882</a>

## Volatile Organic Compounds (GC) by Method NWTPHGX

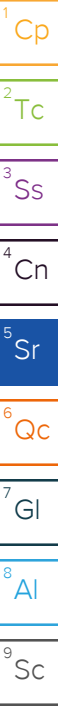
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/24/2022 18:11	<a href="#">WG1868643</a>
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120		05/24/2022 18:11	<a href="#">WG1868643</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	682		0.287	0.678	1	05/27/2022 13:01	<a href="#">WG1869270</a>
Ethane	1.23	J	0.296	1.29	1	05/27/2022 13:01	<a href="#">WG1869270</a>
Ethene	U		0.422	1.27	1	05/27/2022 13:01	<a href="#">WG1869270</a>

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.23	U C3	0.548	1.00	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Benzene	U		0.0160	0.0400	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Bromoform	U		0.239	1.00	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Bromomethane	U		0.148	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Chloroform	U		0.0166	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:05	<a href="#">WG1869646</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2022 06:05	<a href="#">WG1869646</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:05	<a href="#">WG1869646</a>
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a> JC 7/7/2022
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:05	<a href="#">WG1869646</a>



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:05	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:05	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:05	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:05	WG1869646
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
cis-1,2-Dichloroethene	0.253		0.0276	0.100	1	05/26/2022 06:05	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 06:05	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:05	WG1869646
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:05	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:05	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:05	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:05	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:05	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:05	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:05	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:05	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:05	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:05	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:05	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:05	WG1869646
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/26/2022 06:05	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:05	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:05	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:05	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:05	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/26/2022 06:05	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:05	WG1869646
Tetrachloroethene	0.321		0.0280	0.100	1	05/26/2022 06:05	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:05	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:05	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:05	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:05	WG1869646
Trichloroethene	0.188		0.0160	0.0400	1	05/26/2022 06:05	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:05	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:05	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:05	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:05	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 06:05	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:05	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:05	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:05	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:05	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:05	WG1869646
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/26/2022 06:05	WG1869646
(S) Toluene-d8	99.5			75.0-131		05/26/2022 06:05	WG1869646
(S) 4-Bromofluorobenzene	106			67.0-138		05/26/2022 06:05	WG1869646
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		05/26/2022 06:05	WG1869646

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4990	J	594	5000	1	06/09/2022 21:42	<a href="#">WG1876152</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2230	E	102	1000	1	06/09/2022 06:06	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5890		28.1	100	1	05/29/2022 19:26	<a href="#">WG1869882</a>
Manganese	807		0.704	5.00	1	05/29/2022 19:26	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	524		0.287	0.678	1	05/27/2022 13:06	<a href="#">WG1869270</a>
Ethane	0.523	J	0.296	1.29	1	05/27/2022 13:06	<a href="#">WG1869270</a>
Ethene	0.865	J	0.422	1.27	1	05/27/2022 13:06	<a href="#">WG1869270</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.64	U C3	0.548	1.00	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Benzene	U		0.0160	0.0400	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Bromoform	U		0.239	1.00	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Bromomethane	U		0.148	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Chloroform	U		0.0166	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:24	<a href="#">WG1869646</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,1-Dichloroethene	0.652		0.0200	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
cis-1,2-Dichloroethene	6.78		0.0276	0.100	1	05/26/2022 06:24	<a href="#">WG1869646</a>
trans-1,2-Dichloroethene	0.151	J	0.0572	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:24	<a href="#">WG1869646</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:24	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:24	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:24	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:24	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:24	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:24	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:24	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:24	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:24	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:24	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:24	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:24	WG1869646
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/26/2022 06:24	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:24	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:24	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:24	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:24	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:24	WG1869646
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/26/2022 06:24	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:24	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 06:24	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:24	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:24	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:24	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:24	WG1869646
Trichloroethene	0.0950		0.0160	0.0400	1	05/26/2022 06:24	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:24	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:24	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:24	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:24	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:24	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 06:24	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:24	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:24	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:24	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:24	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:24	WG1869646
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/26/2022 06:24	WG1869646
(S) Toluene-d8	98.2			75.0-131		05/26/2022 06:24	WG1869646
(S) 4-Bromofluorobenzene	105			67.0-138		05/26/2022 06:24	WG1869646
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		05/26/2022 06:24	WG1869646

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	16700		594	5000	1	06/09/2022 21:54	<a href="#">WG1876152</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2770	<u>B</u>	102	1000	1	06/09/2022 06:19	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15400		28.1	100	1	05/29/2022 19:30	<a href="#">WG1869882</a>
Manganese	609		0.704	5.00	1	05/29/2022 19:30	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	642		0.287	0.678	1	05/27/2022 13:09	<a href="#">WG1869270</a>
Ethane	1.28	<u>J</u>	0.296	1.29	1	05/27/2022 13:09	<a href="#">WG1869270</a>
Ethene	1.32		0.422	1.27	1	05/27/2022 13:09	<a href="#">WG1869270</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U	<u>UJ</u>	<u>C3</u>	0.548	1.00	1	05/26/2022 06:43	<a href="#">WG1869646</a>
Acrylonitrile	U	<u>UJ</u>	<u>C3</u>	0.0760	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>
Benzene	U		0.0160	0.0400	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Bromoform	U		0.239	1.00	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Bromomethane	U		0.148	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Chloroform	U		0.0166	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u>	<u>C3</u>	0.204	1.00	1	05/26/2022 06:43	<a href="#">WG1869646</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
cis-1,2-Dichloroethene	0.0640	<u>J</u>		0.0276	0.100	1	05/26/2022 06:43	<a href="#">WG1869646</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:43	<a href="#">WG1869646</a>	



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:43	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:43	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:43	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:43	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:43	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:43	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:43	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:43	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:43	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:43	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:43	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:43	WG1869646
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/26/2022 06:43	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:43	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:43	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:43	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:43	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:43	WG1869646
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/26/2022 06:43	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:43	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 06:43	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:43	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:43	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:43	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:43	WG1869646
Trichloroethene	0.0890		0.0160	0.0400	1	05/26/2022 06:43	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:43	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:43	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:43	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:43	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:43	WG1869646
Vinyl chloride	0.276		0.0273	0.100	1	05/26/2022 06:43	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:43	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:43	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:43	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:43	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:43	WG1869646
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/26/2022 06:43	WG1869646
(S) Toluene-d8	101			75.0-131		05/26/2022 06:43	WG1869646
(S) 4-Bromofluorobenzene	103			67.0-138		05/26/2022 06:43	WG1869646
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/26/2022 06:43	WG1869646

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/26/2022 07:03	WG1869646
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/26/2022 07:03	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 07:03	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 07:03	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 07:03	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 07:03	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 07:03	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 07:03	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 07:03	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 07:03	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 07:03	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 07:03	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 07:03	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 07:03	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 07:03	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 07:03	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 07:03	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2022 07:03	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 07:03	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 07:03	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 07:03	WG1869646
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 07:03	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 07:03	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 07:03	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 07:03	WG1869646
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 07:03	WG1869646
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2022 07:03	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 07:03	WG1869646
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 07:03	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 07:03	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 07:03	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 07:03	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 07:03	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 07:03	WG1869646
Ethylbenzene	0.121		0.0212	0.100	1	05/26/2022 07:03	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 07:03	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 07:03	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 07:03	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 07:03	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 07:03	WG1869646
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/26/2022 07:03	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 07:03	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 07:03	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 07:03	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 07:03	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 07:03	WG1869646
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/26/2022 07:03	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 07:03	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 07:03	WG1869646
Toluene	0.553		0.0500	0.200	1	05/26/2022 07:03	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 07:03	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 07:03	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 07:03	WG1869646

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trichloroethene	U		0.0160	0.0400	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 07:03	<a href="#">WG1869646</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 07:03	<a href="#">WG1869646</a>
1,2,4-Trimethylbenzene	0.153	<u>J</u>	0.0464	0.200	1	05/26/2022 07:03	<a href="#">WG1869646</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 07:03	<a href="#">WG1869646</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Xylenes, Total	0.714		0.191	0.260	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Tetrahydrofuran	2.87		0.0900	0.500	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Iodomethane	U		0.242	0.500	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Allyl chloride	U		0.580	1.00	1	05/26/2022 07:03	<a href="#">WG1869646</a>
Trans-1,4-Dichloro-2-butene	U	<b>UJ</b> <u>C3</u>	0.0560	0.200	1	05/26/2022 07:03	<a href="#">WG1869646</a>
(S) Toluene-d8	101			75.0-131		05/26/2022 07:03	<a href="#">WG1869646</a>
(S) 4-Bromofluorobenzene	104			67.0-138		05/26/2022 07:03	<a href="#">WG1869646</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2022 07:03	<a href="#">WG1869646</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	42300		594	5000	1	06/09/2022 22:07	<a href="#">WG1876152</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1850	<del>B</del>	102	1000	1	06/09/2022 06:32	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		28.1	100	1	05/29/2022 19:33	<a href="#">WG1869882</a>
Manganese	11.8		0.704	5.00	1	05/29/2022 19:33	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	05/27/2022 13:13	<a href="#">WG1869270</a>
Ethane	U		0.296	1.29	1	05/27/2022 13:13	<a href="#">WG1869270</a>
Ethene	U		0.422	1.27	1	05/27/2022 13:13	<a href="#">WG1869270</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.40	U C3	0.548	1.00	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Benzene	U		0.0160	0.0400	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Bromobenzene	U		0.0420	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Bromoform	U		0.239	1.00	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Bromomethane	U		0.148	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Chloroethane	U		0.0432	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Chloroform	U		0.0166	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Chloromethane	U		0.0556	0.500	1	05/26/2022 07:22	<a href="#">WG1869646</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Dibromomethane	U		0.0400	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,1-Dichloroethene	0.0750	J	0.0200	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
cis-1,2-Dichloroethene	3.01		0.0276	0.100	1	05/26/2022 07:22	<a href="#">WG1869646</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 07:22	<a href="#">WG1869646</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 07:22	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 07:22	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 07:22	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 07:22	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 07:22	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 07:22	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 07:22	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 07:22	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 07:22	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 07:22	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 07:22	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 07:22	WG1869646
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.400	1.00	1	05/26/2022 07:22	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 07:22	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 07:22	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 07:22	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 07:22	WG1869646
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	05/26/2022 07:22	WG1869646
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/26/2022 07:22	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 07:22	WG1869646
Tetrachloroethene	37.5		0.0280	0.100	1	05/26/2022 07:22	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 07:22	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 07:22	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 07:22	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 07:22	WG1869646
Trichloroethene	6.35		0.0160	0.0400	1	05/26/2022 07:22	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 07:22	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 07:22	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 07:22	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 07:22	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 07:22	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 07:22	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 07:22	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 07:22	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 07:22	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 07:22	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 07:22	WG1869646
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/26/2022 07:22	WG1869646
(S) Toluene-d8	98.9			75.0-131		05/26/2022 07:22	WG1869646
(S) 4-Bromofluorobenzene	104			67.0-138		05/26/2022 07:22	WG1869646
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2022 07:22	WG1869646

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2022 15:38	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 15:38	WG1870493
Benzene	0.0940		0.0160	0.0400	1	05/27/2022 15:38	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 15:38	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 15:38	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 15:38	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 15:38	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 15:38	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 15:38	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 15:38	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 15:38	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 15:38	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 15:38	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 15:38	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 15:38	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 15:38	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 15:38	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 15:38	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 15:38	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 15:38	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 15:38	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 15:38	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 15:38	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 15:38	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 15:38	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 15:38	WG1870493
cis-1,2-Dichloroethene	2.93		0.0276	0.100	1	05/27/2022 15:38	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 15:38	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 15:38	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 15:38	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 15:38	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 15:38	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 15:38	WG1870493
Di-isopropyl ether	0.0550		0.0140	0.0400	1	05/27/2022 15:38	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 15:38	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 15:38	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 15:38	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 15:38	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 15:38	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 15:38	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 15:38	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 15:38	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 15:38	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 15:38	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 15:38	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 15:38	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 15:38	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 15:38	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 15:38	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 15:38	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 15:38	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 15:38	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 15:38	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 15:38	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 15:38	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 15:38	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 15:38	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Vinyl chloride	3.50		0.0273	0.100	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Xylenes, Total	U		0.191	0.260	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 15:38	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 15:38	<a href="#">WG1870493</a>
(S) Toluene-d8	101			75.0-131		05/27/2022 15:38	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 15:38	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/27/2022 15:38	<a href="#">WG1870493</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2022 15:57	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 15:57	WG1870493
Benzene	0.779		0.0160	0.0400	1	05/27/2022 15:57	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 15:57	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 15:57	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 15:57	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 15:57	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 15:57	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 15:57	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 15:57	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 15:57	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 15:57	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 15:57	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 15:57	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 15:57	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 15:57	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 15:57	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 15:57	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 15:57	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 15:57	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 15:57	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 15:57	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 15:57	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 15:57	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 15:57	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 15:57	WG1870493
cis-1,2-Dichloroethene	5.13		0.0276	0.100	1	05/27/2022 15:57	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 15:57	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 15:57	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 15:57	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 15:57	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 15:57	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 15:57	WG1870493
Di-isopropyl ether	0.0470		0.0140	0.0400	1	05/27/2022 15:57	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 15:57	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 15:57	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 15:57	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 15:57	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 15:57	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 15:57	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 15:57	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 15:57	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 15:57	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 15:57	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 15:57	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 15:57	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 15:57	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 15:57	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 15:57	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 15:57	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 15:57	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 15:57	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 15:57	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 15:57	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 15:57	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 15:57	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 15:57	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Vinyl chloride	10.2		0.0273	0.100	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Xylenes, Total	U		0.191	0.260	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 15:57	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 15:57	<a href="#">WG1870493</a>
(S) Toluene-d8	101			75.0-131		05/27/2022 15:57	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	101			67.0-138		05/27/2022 15:57	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/27/2022 15:57	<a href="#">WG1870493</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2022 16:16	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 16:16	WG1870493
Benzene	0.0290	J	0.0160	0.0400	1	05/27/2022 16:16	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 16:16	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 16:16	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 16:16	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 16:16	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 16:16	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 16:16	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 16:16	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 16:16	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 16:16	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 16:16	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 16:16	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 16:16	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 16:16	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 16:16	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 16:16	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 16:16	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 16:16	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 16:16	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 16:16	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 16:16	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 16:16	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 16:16	WG1870493
1,1-Dichloroethene	3.21		0.0200	0.100	1	05/27/2022 16:16	WG1870493
cis-1,2-Dichloroethene	800		1.38	5.00	50	05/29/2022 17:31	WG1871367
trans-1,2-Dichloroethene	3.08		0.0572	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 16:16	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 16:16	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 16:16	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 16:16	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 16:16	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 16:16	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 16:16	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 16:16	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 16:16	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 16:16	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 16:16	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 16:16	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 16:16	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 16:16	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 16:16	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 16:16	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 16:16	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 16:16	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 16:16	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 16:16	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 16:16	WG1870493
Tetrachloroethene	7.78		0.0280	0.100	1	05/27/2022 16:16	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 16:16	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 16:16	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 16:16	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 16:16	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Trichloroethene	63.1		0.0160	0.0400	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 16:16	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 16:16	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 16:16	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 16:16	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Vinyl chloride	49.1		0.0273	0.100	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Xylenes, Total	U		0.191	0.260	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Tetrahydrofuran	0.212	J C3 J	0.0900	0.500	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 16:16	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 16:16	<a href="#">WG1870493</a>
(S) Toluene-d8	101			75.0-131		05/27/2022 16:16	<a href="#">WG1870493</a>
(S) Toluene-d8	104			75.0-131		05/29/2022 17:31	<a href="#">WG1871367</a>
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 16:16	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	106			67.0-138		05/29/2022 17:31	<a href="#">WG1871367</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/27/2022 16:16	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		05/29/2022 17:31	<a href="#">WG1871367</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	74300		594	5000	1	06/09/2022 22:19	<a href="#">WG1876152</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2530	<del>B</del>	102	1000	1	06/09/2022 07:49	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2340		28.1	100	1	05/29/2022 19:36	<a href="#">WG1869882</a>
Manganese	2850		0.704	5.00	1	05/29/2022 19:36	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6540		2.87	6.78	10	05/28/2022 14:47	<a href="#">WG1870840</a>
Ethane	5.88		0.296	1.29	1	05/27/2022 14:27	<a href="#">WG1869270</a>
Ethene	U		0.422	1.27	1	05/27/2022 14:27	<a href="#">WG1869270</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ <a href="#">C3</a>	13.7	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Acrylonitrile	U	UJ <a href="#">C3</a>	1.90	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Benzene	U		0.400	1.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Bromobenzene	U		1.05	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Bromodichloromethane	U		0.788	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Bromoform	U		5.98	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Bromomethane	U	UJ <a href="#">C3</a>	3.70	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
n-Butylbenzene	U		3.83	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
sec-Butylbenzene	U		2.53	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
tert-Butylbenzene	U		1.55	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Carbon tetrachloride	U		1.08	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Chlorobenzene	U		0.573	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Chlorodibromomethane	U		0.450	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Chloroethane	U		1.08	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Chloroform	U		0.415	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Chloromethane	U		1.39	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
2-Chlorotoluene	U		0.920	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
4-Chlorotoluene	U		1.13	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2-Dibromo-3-Chloropropane	U	UJ <a href="#">C3</a>	5.10	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2-Dibromoethane	U		0.525	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Dibromomethane	U		1.00	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Dichlorodifluoromethane	U		0.818	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1-Dichloroethane	U		0.575	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2-Dichloroethane	U		0.475	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1-Dichloroethene	3.58		0.500	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
cis-1,2-Dichloroethene	311		0.690	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
trans-1,2-Dichloroethene	2.13	J	1.43	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2-Dichloropropane	U		1.27	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,3-Dichloropropane	U		1.75	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
2,2-Dichloropropane	U		0.793	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Di-isopropyl ether	U		0.350	1.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Ethylbenzene	U		0.530	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Isopropylbenzene	U		0.863	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
p-Isopropyltoluene	U		2.33	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
2-Butanone (MEK)	U	UJ C3	12.5	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Methylene Chloride	U		6.63	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Methyl tert-butyl ether	U		0.295	1.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Naphthalene	U		3.10	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
n-Propylbenzene	U		1.18	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Styrene	U		2.73	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1,2,2-Tetrachloroethane	U	UJ C3	0.390	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Tetrachloroethene	432		0.700	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Toluene	U		1.25	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.625	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2,4-Trichlorobenzene	U	UJ C4	4.83	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1,1-Trichloroethane	U		0.275	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,1,2-Trichloroethane	U		0.883	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Trichloroethene	249		0.400	1.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.500	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		5.10	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Vinyl chloride	U		0.682	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Xylenes, Total	U		4.78	6.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Ethyl Ether	U		0.425	2.50	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Tetrahydrofuran	U	UJ C3	2.25	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Iodomethane	U		6.05	12.5	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Allyl chloride	U		14.5	25.0	25	05/27/2022 18:10	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	1.40	5.00	25	05/27/2022 18:10	<a href="#">WG1870493</a>
(S) Toluene-d8	102			75.0-131		05/27/2022 18:10	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	103			67.0-138		05/27/2022 18:10	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/27/2022 18:10	<a href="#">WG1870493</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2022 16:35	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 16:35	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 16:35	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 16:35	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 16:35	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 16:35	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 16:35	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 16:35	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 16:35	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 16:35	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 16:35	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 16:35	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 16:35	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 16:35	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 16:35	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 16:35	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 16:35	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 16:35	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 16:35	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 16:35	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 16:35	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 16:35	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 16:35	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 16:35	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 16:35	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 16:35	WG1870493
cis-1,2-Dichloroethene	7.25		0.0276	0.100	1	05/29/2022 16:53	WG1871367
trans-1,2-Dichloroethene	0.0800	J	0.0572	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 16:35	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 16:35	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 16:35	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 16:35	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 16:35	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 16:35	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 16:35	WG1870493
Ethylbenzene	0.0870	J	0.0212	0.100	1	05/27/2022 16:35	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 16:35	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 16:35	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 16:35	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 16:35	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 16:35	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 16:35	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 16:35	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 16:35	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 16:35	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 16:35	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 16:35	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 16:35	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 16:35	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 16:35	WG1870493
Toluene	0.436		0.0500	0.200	1	05/27/2022 16:35	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 16:35	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 16:35	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 16:35	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Trichloroethene	0.0250	<u>J</u>	0.0160	0.0400	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 16:35	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 16:35	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	0.146	<u>J</u>	0.0464	0.200	1	05/27/2022 16:35	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 16:35	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Vinyl chloride	0.488		0.0273	0.100	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Xylenes, Total	0.567		0.191	0.260	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Tetrahydrofuran	U	<b>UJ</b> <u>C3</u>	0.0900	0.500	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 16:35	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	<b>UJ</b> <u>C3</u>	0.0560	0.200	1	05/27/2022 16:35	<a href="#">WG1870493</a>
(S) Toluene-d8	101			75.0-131		05/27/2022 16:35	<a href="#">WG1870493</a>
(S) Toluene-d8	102			75.0-131		05/29/2022 16:53	<a href="#">WG1871367</a>
(S) 4-Bromofluorobenzene	101			67.0-138		05/27/2022 16:35	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	110			67.0-138		05/29/2022 16:53	<a href="#">WG1871367</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/27/2022 16:35	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		05/29/2022 16:53	<a href="#">WG1871367</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9900		594	5000	1	06/09/2022 22:44	<a href="#">WG1876152</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1110	<del>B</del>	102	1000	1	06/09/2022 08:27	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	646		28.1	100	1	05/29/2022 19:51	<a href="#">WG1869882</a>
Manganese	172		0.704	5.00	1	05/29/2022 19:51	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	129		0.287	0.678	1	05/27/2022 15:40	<a href="#">WG1869273</a>
Ethane	10.2		0.296	1.29	1	05/27/2022 15:40	<a href="#">WG1869273</a>
Ethene	2.35		0.422	1.27	1	05/27/2022 15:40	<a href="#">WG1869273</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.68	J- C3	0.548	1.00	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Benzene	U		0.0160	0.0400	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Bromoform	U		0.239	1.00	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Chloroethane	0.184	J	0.0432	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Chloroform	U		0.0166	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:13	<a href="#">WG1870493</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,1-Dichloroethene	0.0760	J	0.0200	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
cis-1,2-Dichloroethene	0.917		0.0276	0.100	1	05/27/2022 17:13	<a href="#">WG1870493</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:13	<a href="#">WG1870493</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:13	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:13	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:13	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:13	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:13	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 17:13	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:13	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:13	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:13	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:13	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 17:13	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:13	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:13	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:13	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:13	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:13	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:13	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:13	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 17:13	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:13	WG1870493
Tetrachloroethene	0.0480	U	0.0280	0.100	1	05/27/2022 17:13	WG1870493
Toluene	0.0520	U	0.0500	0.200	1	05/27/2022 17:13	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 17:13	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 17:13	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:13	WG1870493
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:13	WG1870493
Trichloroethene	0.0570		0.0160	0.0400	1	05/27/2022 17:13	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:13	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:13	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:13	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:13	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:13	WG1870493
Vinyl chloride	6.52		0.0273	0.100	1	05/27/2022 17:13	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:13	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:13	WG1870493
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 17:13	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 17:13	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:13	WG1870493
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 17:13	WG1870493
(S) Toluene-d8	102			75.0-131		05/27/2022 17:13	WG1870493
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 17:13	WG1870493
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/27/2022 17:13	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	26100		594	5000	1	06/12/2022 21:01	<a href="#">WG1878336</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4570		102	1000	1	06/09/2022 08:41	<a href="#">WG1876276</a>

Metals (ICPMS) by Method 6020B

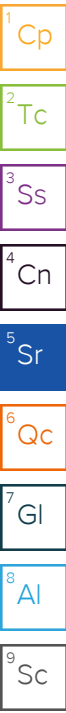
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14600		28.1	100	1	05/29/2022 19:55	<a href="#">WG1869882</a>
Manganese	1470		0.704	5.00	1	05/29/2022 19:55	<a href="#">WG1869882</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1970		0.287	0.678	1	05/27/2022 15:47	<a href="#">WG1869273</a>
Ethane	19.7		0.296	1.29	1	05/27/2022 15:47	<a href="#">WG1869273</a>
Ethene	4.98		0.422	1.27	1	05/27/2022 15:47	<a href="#">WG1869273</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.50	J- C3	0.548	1.00	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Benzene	2.75		0.0160	0.0400	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Bromobenzene	U		0.0420	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Bromoform	U		0.239	1.00	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Chloroethane	U		0.0432	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Chloroform	U		0.0166	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Chloromethane	U		0.0556	0.500	1	05/27/2022 18:30	<a href="#">WG1870493</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Dibromomethane	U		0.0400	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,1-Dichloroethane	0.0750	J	0.0230	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,1-Dichloroethene	1.62		0.0200	0.100	1	05/27/2022 18:30	<a href="#">WG1870493</a>
cis-1,2-Dichloroethene	660		1.38	5.00	50	05/29/2022 17:50	<a href="#">WG1871367</a>
trans-1,2-Dichloroethene	3.55		0.0572	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 18:30	<a href="#">WG1870493</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 18:30	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 18:30	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 18:30	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 18:30	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 18:30	WG1870493
Di-isopropyl ether	0.0490		0.0140	0.0400	1	05/27/2022 18:30	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 18:30	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 18:30	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 18:30	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 18:30	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 18:30	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 18:30	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 18:30	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 18:30	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 18:30	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 18:30	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 18:30	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 18:30	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 18:30	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 18:30	WG1870493
Tetrachloroethene	77.8		0.0280	0.100	1	05/27/2022 18:30	WG1870493
Toluene	0.188		0.0500	0.200	1	05/27/2022 18:30	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 18:30	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 18:30	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 18:30	WG1870493
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 18:30	WG1870493
Trichloroethene	49.2		0.0160	0.0400	1	05/27/2022 18:30	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 18:30	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 18:30	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 18:30	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 18:30	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 18:30	WG1870493
Vinyl chloride	90.9		1.36	5.00	50	05/29/2022 17:50	WG1871367
Xylenes, Total	U		0.191	0.260	1	05/27/2022 18:30	WG1870493
Ethyl Ether	0.276		0.0170	0.100	1	05/27/2022 18:30	WG1870493
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 18:30	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 18:30	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 18:30	WG1870493
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 18:30	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 18:30	WG1870493
(S) Toluene-d8	103			75.0-131		05/29/2022 17:50	WG1871367
(S) 4-Bromofluorobenzene	100			67.0-138		05/27/2022 18:30	WG1870493
(S) 4-Bromofluorobenzene	103			67.0-138		05/29/2022 17:50	WG1871367
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/27/2022 18:30	WG1870493
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		05/29/2022 17:50	WG1871367

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.03	U C3	0.548	1.00	1	05/27/2022 17:32	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 17:32	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 17:32	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:32	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:32	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 17:32	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 17:32	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:32	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:32	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:32	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:32	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:32	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:32	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 17:32	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 17:32	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:32	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:32	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 17:32	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:32	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:32	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:32	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:32	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:32	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:32	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:32	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 17:32	WG1870493
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2022 17:32	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:32	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:32	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:32	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:32	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:32	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:32	WG1870493
Di-isopropyl ether	0.0170	J	0.0140	0.0400	1	05/27/2022 17:32	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:32	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:32	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:32	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:32	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 17:32	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:32	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:32	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:32	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:32	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:32	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:32	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:32	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 17:32	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:32	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 17:32	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 17:32	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 17:32	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 17:32	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:32	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:32	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:32	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:32	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:32	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Vinyl chloride	U		0.0273	0.100	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:32	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 17:32	<a href="#">WG1870493</a>
(S) Toluene-d8	99.8			75.0-131		05/27/2022 17:32	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	100			67.0-138		05/27/2022 17:32	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		05/27/2022 17:32	<a href="#">WG1870493</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2022 17:51	WG1870493
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2022 17:51	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 17:51	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:51	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:51	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 17:51	WG1870493
Bromomethane	U	UJ C3	0.148	0.500	1	05/27/2022 17:51	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:51	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:51	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:51	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:51	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:51	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:51	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 17:51	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 17:51	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:51	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:51	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/27/2022 17:51	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:51	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:51	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:51	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:51	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:51	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:51	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:51	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 17:51	WG1870493
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2022 17:51	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:51	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:51	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:51	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:51	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:51	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:51	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 17:51	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:51	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:51	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:51	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:51	WG1870493
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/27/2022 17:51	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:51	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:51	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:51	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:51	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:51	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:51	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:51	WG1870493
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2022 17:51	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:51	WG1870493
Tetrachloroethene	0.0370	J	0.0280	0.100	1	05/27/2022 17:51	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 17:51	WG1870493
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/27/2022 17:51	WG1870493
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/27/2022 17:51	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:51	WG1870493

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:51	<a href="#">WG1870493</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:51	<a href="#">WG1870493</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:51	<a href="#">WG1870493</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:51	<a href="#">WG1870493</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Vinyl chloride	U		0.0273	0.100	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Iodomethane	U		0.242	0.500	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:51	<a href="#">WG1870493</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/27/2022 17:51	<a href="#">WG1870493</a>
(S) Toluene-d8	99.7			75.0-131		05/27/2022 17:51	<a href="#">WG1870493</a>
(S) 4-Bromofluorobenzene	99.7			67.0-138		05/27/2022 17:51	<a href="#">WG1870493</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2022 17:51	<a href="#">WG1870493</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1200	J	594	5000	1	06/16/2022 14:43	<a href="#">WG1879084</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7310		102	1000	1	06/10/2022 18:26	<a href="#">WG1877226</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9440		28.1	100	1	06/07/2022 18:08	<a href="#">WG1873011</a>
Manganese	3180		0.704	5.00	1	06/07/2022 18:08	<a href="#">WG1873011</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 17:55	<a href="#">WG1869862</a>
(S) a,a,a-Trifluorotoluene(FID)	94.0			78.0-120		05/26/2022 17:55	<a href="#">WG1869862</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	814		0.287	0.678	1	05/29/2022 14:19	<a href="#">WG1871451</a>
Ethane	0.516	J	0.296	1.29	1	05/29/2022 14:19	<a href="#">WG1871451</a>
Ethene	U		0.422	1.27	1	05/29/2022 14:19	<a href="#">WG1871451</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.01	J- C3	0.548	1.00	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Benzene	U		0.0160	0.0400	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Bromoform	U		0.239	1.00	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 13:26	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 13:26	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 13:26	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 13:26	<a href="#">WG1871167</a>

JC 7/7/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 13:26	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 13:26	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 13:26	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 13:26	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 13:26	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 13:26	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 13:26	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 13:26	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 13:26	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 13:26	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 13:26	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 13:26	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 13:26	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 13:26	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 13:26	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 13:26	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 13:26	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 13:26	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 13:26	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 13:26	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 13:26	WG1871167
Naphthalene	U	UJ C3	0.124	0.500	1	05/28/2022 13:26	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 13:26	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 13:26	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 13:26	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 13:26	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 13:26	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 13:26	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 13:26	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 13:26	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 13:26	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 13:26	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 13:26	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 13:26	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 13:26	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 13:26	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 13:26	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 13:26	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 13:26	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 13:26	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 13:26	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 13:26	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 13:26	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 13:26	WG1871167
(S) Toluene-d8	101			75.0-131		05/28/2022 13:26	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 13:26	WG1871167
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/28/2022 13:26	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	298000		2970	25000	5	06/16/2022 14:59	<a href="#">WG1879084</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7160		102	1000	1	06/10/2022 18:41	<a href="#">WG1877226</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	3790		28.1	100	1	06/07/2022 18:11	<a href="#">WG1873011</a>
Manganese	6190		0.704	5.00	1	06/07/2022 18:11	<a href="#">WG1873011</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 18:15	<a href="#">WG1869862</a>
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		05/26/2022 18:15	<a href="#">WG1869862</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	34.6		0.287	0.678	1	05/29/2022 14:22	<a href="#">WG1871451</a>
Ethane	0.420	J	0.296	1.29	1	05/29/2022 14:22	<a href="#">WG1871451</a>
Ethene	U		0.422	1.27	1	05/29/2022 14:22	<a href="#">WG1871451</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.56	J- C3	0.548	1.00	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Benzene	U		0.0160	0.0400	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Bromoform	U		0.239	1.00	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 13:45	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 13:45	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 13:45	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 13:45	<a href="#">WG1871167</a>

JC 7/7/2022



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 13:45	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 13:45	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 13:45	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 13:45	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 13:45	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 13:45	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 13:45	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 13:45	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 13:45	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 13:45	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 13:45	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 13:45	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 13:45	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 13:45	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 13:45	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 13:45	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 13:45	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 13:45	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 13:45	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 13:45	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 13:45	WG1871167
Naphthalene	U	UJ C3	0.124	0.500	1	05/28/2022 13:45	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 13:45	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 13:45	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 13:45	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 13:45	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 13:45	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 13:45	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 13:45	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 13:45	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 13:45	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 13:45	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 13:45	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 13:45	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 13:45	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 13:45	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 13:45	WG1871167
Vinyl chloride	0.954		0.0273	0.100	1	05/28/2022 13:45	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 13:45	WG1871167
Ethyl Ether	0.0740	J	0.0170	0.100	1	05/28/2022 13:45	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 13:45	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 13:45	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 13:45	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 13:45	WG1871167
(S) Toluene-d8	104			75.0-131		05/28/2022 13:45	WG1871167
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2022 13:45	WG1871167
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 13:45	WG1871167

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	309000		2970	25000	5	06/16/2022 15:15	<a href="#">WG1879084</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7250		102	1000	1	06/10/2022 18:57	<a href="#">WG1877226</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4330		28.1	100	1	06/07/2022 18:15	<a href="#">WG1873011</a>
Manganese	6590		0.704	5.00	1	06/07/2022 18:15	<a href="#">WG1873011</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 18:35	<a href="#">WG1869862</a>
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		05/26/2022 18:35	<a href="#">WG1869862</a>

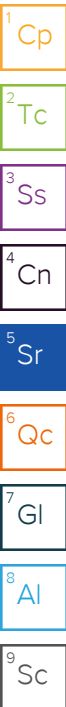
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	36.5		0.287	0.678	1	05/29/2022 14:26	<a href="#">WG1871451</a>
Ethane	0.297	J	0.296	1.29	1	05/29/2022 14:26	<a href="#">WG1871451</a>
Ethene	U		0.422	1.27	1	05/29/2022 14:26	<a href="#">WG1871451</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.69	J- C3	0.548	1.00	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Benzene	U		0.0160	0.0400	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Bromoform	U		0.239	1.00	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:04	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 14:04	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:04	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:04	<a href="#">WG1871167</a>

JC 7/7/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:04	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:04	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:04	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:04	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 14:04	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 14:04	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:04	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:04	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:04	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:04	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:04	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:04	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:04	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:04	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:04	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 14:04	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:04	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:04	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:04	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:04	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:04	WG1871167
Naphthalene	U	UJ C3	0.124	0.500	1	05/28/2022 14:04	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:04	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:04	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 14:04	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:04	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 14:04	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:04	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 14:04	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 14:04	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:04	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:04	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:04	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 14:04	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:04	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:04	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:04	WG1871167
Vinyl chloride	0.809		0.0273	0.100	1	05/28/2022 14:04	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:04	WG1871167
Ethyl Ether	0.0610	J	0.0170	0.100	1	05/28/2022 14:04	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:04	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 14:04	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:04	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 14:04	WG1871167
(S) Toluene-d8	95.9			75.0-131		05/28/2022 14:04	WG1871167
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2022 14:04	WG1871167
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 14:04	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/28/2022 14:23	WG1871167
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 14:23	WG1871167
Benzene	1.45		0.0160	0.0400	1	05/28/2022 14:23	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:23	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:23	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 14:23	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 14:23	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:23	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:23	WG1871167
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/28/2022 14:23	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:23	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:23	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:23	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:23	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 14:23	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:23	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:23	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 14:23	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:23	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:23	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:23	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:23	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:23	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:23	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:23	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:23	WG1871167
cis-1,2-Dichloroethene	12.5		0.0276	0.100	1	05/28/2022 14:23	WG1871167
trans-1,2-Dichloroethene	0.280		0.0572	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:23	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:23	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:23	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:23	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:23	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:23	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:23	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:23	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:23	WG1871167
Isopropylbenzene	0.150		0.0345	0.100	1	05/28/2022 14:23	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:23	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:23	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:23	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:23	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:23	WG1871167
Naphthalene	U	UJ C3	0.124	0.500	1	05/28/2022 14:23	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:23	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:23	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:23	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 14:23	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:23	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 14:23	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:23	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 14:23	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 14:23	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:23	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:23	<a href="#">WG1871167</a>
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 14:23	<a href="#">WG1871167</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:23	<a href="#">WG1871167</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:23	<a href="#">WG1871167</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Vinyl chloride	3.83		0.0273	0.100	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Iodomethane	U		0.242	0.500	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:23	<a href="#">WG1871167</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 14:23	<a href="#">WG1871167</a>
(S) Toluene-d8	100			75.0-131		05/28/2022 14:23	<a href="#">WG1871167</a>
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 14:23	<a href="#">WG1871167</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 14:23	<a href="#">WG1871167</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/28/2022 14:42	WG1871167
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 14:42	WG1871167
Benzene	0.232		0.0160	0.0400	1	05/28/2022 14:42	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:42	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:42	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 14:42	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 14:42	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:42	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:42	WG1871167
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/28/2022 14:42	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:42	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:42	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:42	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:42	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 14:42	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:42	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:42	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 14:42	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:42	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:42	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:42	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:42	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:42	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:42	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:42	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:42	WG1871167
cis-1,2-Dichloroethene	0.239		0.0276	0.100	1	05/28/2022 14:42	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:42	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:42	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:42	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:42	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:42	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:42	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:42	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:42	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:42	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 14:42	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:42	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:42	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:42	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:42	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:42	WG1871167
Naphthalene	U	UJ C3	0.124	0.500	1	05/28/2022 14:42	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:42	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:42	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:42	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 14:42	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:42	WG1871167
Tetrachloroethene	0.0620	J	0.0280	0.100	1	05/28/2022 14:42	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:42	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 14:42	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 14:42	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:42	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:42	<a href="#">WG1871167</a>
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 14:42	<a href="#">WG1871167</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:42	<a href="#">WG1871167</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:42	<a href="#">WG1871167</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Vinyl chloride	10.1		0.0273	0.100	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Iodomethane	U		0.242	0.500	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:42	<a href="#">WG1871167</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 14:42	<a href="#">WG1871167</a>
(S) Toluene-d8	102			75.0-131		05/28/2022 14:42	<a href="#">WG1871167</a>
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 14:42	<a href="#">WG1871167</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/28/2022 14:42	<a href="#">WG1871167</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	21.8	J- C3	0.548	1.00	1	05/28/2022 15:01	WG1871167
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/28/2022 15:01	WG1871167
Benzene	10.1		0.0160	0.0400	1	05/28/2022 15:01	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 15:01	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 15:01	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 15:01	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 15:01	WG1871167
n-Butylbenzene	0.751		0.153	0.500	1	05/28/2022 15:01	WG1871167
sec-Butylbenzene	6.88		0.101	0.500	1	05/28/2022 15:01	WG1871167
tert-Butylbenzene	0.225	J- C3	0.0620	0.200	1	05/28/2022 15:01	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 15:01	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 15:01	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 15:01	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 15:01	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 15:01	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 15:01	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 15:01	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 15:01	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 15:01	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 15:01	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 15:01	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 15:01	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 15:01	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 15:01	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 15:01	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 15:01	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 15:01	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 15:01	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 15:01	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 15:01	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 15:01	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 15:01	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 15:01	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 15:01	WG1871167
Ethylbenzene	46.7		0.0212	0.100	1	05/28/2022 15:01	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 15:01	WG1871167
Isopropylbenzene	49.0		0.0345	0.100	1	05/28/2022 15:01	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 15:01	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 15:01	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 15:01	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 15:01	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 15:01	WG1871167
Naphthalene	3.46	J- C3	0.124	0.500	1	05/28/2022 15:01	WG1871167
n-Propylbenzene	84.3		0.0472	0.200	1	05/28/2022 15:01	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 15:01	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 15:01	WG1871167
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/28/2022 15:01	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 15:01	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 15:01	WG1871167
Toluene	0.853		0.0500	0.200	1	05/28/2022 15:01	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 15:01	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 15:01	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 15:01	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 15:01	<a href="#">WG1871167</a>
1,2,3-Trichloropropane	U	UJ C3	0.204	0.500	1	05/28/2022 15:01	<a href="#">WG1871167</a>
1,2,4-Trimethylbenzene	0.806		0.0464	0.200	1	05/28/2022 15:01	<a href="#">WG1871167</a>
1,2,3-Trimethylbenzene	1.01		0.0460	0.200	1	05/28/2022 15:01	<a href="#">WG1871167</a>
1,3,5-Trimethylbenzene	0.332		0.0432	0.200	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Xylenes, Total	0.568		0.191	0.260	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Iodomethane	U		0.242	0.500	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Allyl chloride	U		0.580	1.00	1	05/28/2022 15:01	<a href="#">WG1871167</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 15:01	<a href="#">WG1871167</a>
(S) Toluene-d8	97.8			75.0-131		05/28/2022 15:01	<a href="#">WG1871167</a>
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2022 15:01	<a href="#">WG1871167</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/28/2022 15:01	<a href="#">WG1871167</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/28/2022 16:36	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 16:36	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 16:36	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 16:36	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 16:36	WG1871167
Bromoform	U	UJ C3	0.239	1.00	1	05/28/2022 16:36	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 16:36	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 16:36	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 16:36	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 16:36	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 16:36	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 16:36	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 16:36	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 16:36	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 16:36	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 16:36	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 16:36	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 16:36	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 16:36	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 16:36	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 16:36	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 16:36	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 16:36	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 16:36	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 16:36	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 16:36	WG1871167
cis-1,2-Dichloroethene	0.704		0.0276	0.100	1	05/28/2022 16:36	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 16:36	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 16:36	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 16:36	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 16:36	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 16:36	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 16:36	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 16:36	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 16:36	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 16:36	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 16:36	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 16:36	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 16:36	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 16:36	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 16:36	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 16:36	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 16:36	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 16:36	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 16:36	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 16:36	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 16:36	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 16:36	WG1871167
Tetrachloroethene	0.0780	J	0.0280	0.100	1	05/28/2022 16:36	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 16:36	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 16:36	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 16:36	WG1871167
1,1,1-Trichloroethane	0.0680	J	0.0110	0.100	1	05/28/2022 16:36	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 16:36	<a href="#">WG1871167</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 16:36	<a href="#">WG1871167</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 16:36	<a href="#">WG1871167</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 16:36	<a href="#">WG1871167</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Vinyl chloride	0.135		0.0273	0.100	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Xylenes, Total	U		0.191	0.260	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Iodomethane	U		0.242	0.500	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Allyl chloride	U		0.580	1.00	1	05/28/2022 16:36	<a href="#">WG1871167</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 16:36	<a href="#">WG1871167</a>
(S) Toluene-d8	101			75.0-131		05/28/2022 16:36	<a href="#">WG1871167</a>
(S) 4-Bromofluorobenzene	108			67.0-138		05/28/2022 16:36	<a href="#">WG1871167</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/28/2022 16:36	<a href="#">WG1871167</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2750	J	594	5000	1	06/16/2022 16:02	<a href="#">WG1879084</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1920	<del>B</del>	102	1000	1	06/10/2022 19:10	<a href="#">WG1877226</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	93.2	J	28.1	100	1	06/07/2022 18:18	<a href="#">WG1873011</a>
Manganese	101		0.704	5.00	1	06/07/2022 18:18	<a href="#">WG1873011</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	44.4		0.287	0.678	1	05/29/2022 14:29	<a href="#">WG1871451</a>
Ethane	0.301	J	0.296	1.29	1	05/29/2022 14:29	<a href="#">WG1871451</a>
Ethene	U		0.422	1.27	1	05/29/2022 14:29	<a href="#">WG1871451</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.60	J- C3	0.548	1.00	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Benzene	U		0.0160	0.0400	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Bromobenzene	U		0.0420	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Bromoform	U	UJ C3	0.239	1.00	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Bromomethane	U		0.148	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Chloroethane	U		0.0432	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Chloroform	U		0.0166	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Chloromethane	U		0.0556	0.500	1	05/28/2022 16:55	<a href="#">WG1871167</a>
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Dibromomethane	U		0.0400	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 16:55	<a href="#">WG1871167</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 16:55	<a href="#">WG1871167</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 16:55	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 16:55	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 16:55	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 16:55	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 16:55	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 16:55	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 16:55	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 16:55	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 16:55	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 16:55	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 16:55	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 16:55	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 16:55	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 16:55	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 16:55	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 16:55	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 16:55	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 16:55	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 16:55	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 16:55	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 16:55	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 16:55	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 16:55	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 16:55	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 16:55	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 16:55	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 16:55	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 16:55	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 16:55	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 16:55	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 16:55	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 16:55	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 16:55	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 16:55	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 16:55	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 16:55	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 16:55	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 16:55	WG1871167
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/28/2022 16:55	WG1871167
(S) Toluene-d8	99.0			75.0-131		05/28/2022 16:55	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 16:55	WG1871167
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/28/2022 16:55	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/28/2022 17:14	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 17:14	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 17:14	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 17:14	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 17:14	WG1871167
Bromoform	U	UJ C3	0.239	1.00	1	05/28/2022 17:14	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 17:14	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 17:14	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 17:14	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 17:14	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 17:14	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 17:14	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 17:14	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 17:14	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 17:14	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 17:14	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 17:14	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/28/2022 17:14	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 17:14	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 17:14	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 17:14	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 17:14	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 17:14	WG1871167
1,1-Dichloroethane	0.723		0.0230	0.100	1	05/28/2022 17:14	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 17:14	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 17:14	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 17:14	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 17:14	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 17:14	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 17:14	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 17:14	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 17:14	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 17:14	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 17:14	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 17:14	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 17:14	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 17:14	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 17:14	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 17:14	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 17:14	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 17:14	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 17:14	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 17:14	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 17:14	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 17:14	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 17:14	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 17:14	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 17:14	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 17:14	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 17:14	WG1871167
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/28/2022 17:14	WG1871167
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/28/2022 17:14	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 17:14	WG1871167

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/7/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 17:14	<a href="#">WG1871167</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 17:14	<a href="#">WG1871167</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 17:14	<a href="#">WG1871167</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 17:14	<a href="#">WG1871167</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Xylenes, Total	U		0.191	0.260	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Tetrahydrofuran	0.183	<u>J</u>	0.0900	0.500	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Iodomethane	U		0.242	0.500	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Allyl chloride	U		0.580	1.00	1	05/28/2022 17:14	<a href="#">WG1871167</a>
Trans-1,4-Dichloro-2-butene	U	<b>UJ</b> <u>C3</u>	0.0560	0.200	1	05/28/2022 17:14	<a href="#">WG1871167</a>
(S) Toluene-d8	105			75.0-131		05/28/2022 17:14	<a href="#">WG1871167</a>
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 17:14	<a href="#">WG1871167</a>
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		05/28/2022 17:14	<a href="#">WG1871167</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## MEMORANDUM

**TO:** Project File **DATE:** July 21, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 1413001.10.701 Task 04

**TASK:** EIM Data Validation Level EPA2A Q2-2022 Group 4 Groundwater

**LAB:** Pace Sample Delivery Group (SDGs): L1499455, L1501451, L1503156, and L1504052

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Twenty-seven (27) groundwater samples (including one field duplicate), and three trip blanks were collected as part of the 2<sup>nd</sup> Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May 26-27, 31, June 3, 5, 8, and 9, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Metals (iron and manganese) by USEPA Method 6020B.
- Anion (sulfate) by USEPA Method 9056A; and
- Total Organic Carbon (TOC) by USEPA Method 9060A.

The quality assurance review of the laboratory data associated with SDGs L1499455, L1501451, L1503156, and L1504052 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

The samples were collected and analyzed as requested.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following discussion:

- SDG L1499455: Chain of custody shows that sample MW-317 was collected on May 25, however the sample identification indicated that the sample was collected on MW-317-052722. PES confirmed that the sample was collected on May 27, 2022. Pace revised and reissued the report and EDD on July 25, 2022.

### **Holding Times**

#### *USEPA Method 8260D:*

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Sulfate and TOC):*

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

### **Initial and Continuing Calibration**

#### *USEPA Method 8260D (VOCs):*

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.  
**Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C4” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias.  
**Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**
- SDG L1499455 - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C5” to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias.  
**Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

### **Method Blank Results**

#### *USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1499455 – Analytical Batch WG1875475: A low level of naphthalene is detected in the method blank at 0.226 µg/L. No action is needed since naphthalene is not detected in the associated samples.
- SDG L1496120 – Analytical Batch WG1871367: A low level of cis-1,2-dichloroethene is detected in the method blank at 0.0710 µg/L. No action is needed since cis-1,2-dichloroethene is not detected in the associated samples.

#### *NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank with the following exceptions:

- SDG L1496120 – Analytical Batch WG1868643: A low level of gasoline is detected in the method blank at 40.4 µg/L below the RDL (100 µg/L). No action is needed since gasoline is not detected in the associated sample.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blank at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Sulfate and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1499455	WG1880840	9060A	TOC	127	J	1000	µg/L	NO
L1499455	WG1875421	6020B	Manganese	0.836	J	5.0	µg/L	NO
L1499455	WG1875421	6020B	Iron	31.5	J	100	µg/L	NO
L1504052	WG1882813	9060A	TOC	171	J	1000	µg/L	NO

The target analytes were detected in the method blanks at low levels. No action is taken on this basis since associated sample detections are greater than the RDLs.

**Trip Blank Results**

*USEPA Method 8260D and/or NTWPH-Gx:*

Three trip blanks (TB-053122, TB-060522, and TB-060922) were collected and submitted for analysis. The target analytes are not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L1504052: Low levels of toluene and tetrahydrofuran were detected in the trip blank sample (TB-060922). Tetrahydrofuran was detected at low levels in sample MW-9-060822. Toluene was detected at low levels in sample MW-322-060822 and FMW-131-060922, GEI-2-060922, and MW-329-060922. **Associated tetrahydrofuran and toluene results in these samples are qualified as not detected (U) due to trip blank contamination.**

**Field, Rinsate, or Equipment Blank Results**

*All Analytical Methods:*

An equipment blank was not collected with this group of samples.

**Field Duplicate Analyses**

A field duplicate pair was submitted and analyzed as follows:

- SDG L1504052: Sample MW-9-060822 and field duplicate MW-972-060822. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair.

## Laboratory Duplicate Analyses

### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample results for accuracy data.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20% or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

### *General Chemistry (Sulfate and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

## Surrogate Recoveries

### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control samples, and the blanks are within the laboratory surrogate control limits.

## Laboratory Control Samples

### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1499455 – Analytical Batch WG1874160: LCS recovery is above criteria for chloromethane. No action is needed since chloromethane is not detected in the associated samples. LCS recoveries for hexachloro-1,3-butadiene, and 1,2,4-trichlorobenzene are below QC criteria. **All associated sample results for hexachloro-1,3-butadiene and 1,2,4-trichlorobenzene are estimated and qualified (UJ).**

- SDGs L1501451 and L1503156 - Analytical Batch WG1878830: LCS/LCSD RPDs are outside of criteria for hexachloro-1,3-butadiene and tetrahydrofuran. No action is needed since LCS and LCSD recoveries are within criteria but were recovered wide.

*NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %Rs for gasoline are within the laboratory control criteria.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Sulfate and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample for precision and accuracy results.

*NWTPH-Gx Method:*

MS/MSD analyses were not performed. Refer to laboratory control sample and field duplicate results for accuracy and precision results.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

*General Chemistry (Sulfate and TOC):*

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.



### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for this SDG was provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Compound Identification and Quantitation Limits**

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions. No action is taken other than to note this.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2930	J	594	5000	1	06/23/2022 21:55	<a href="#">WG1883664</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	33200		102	1000	1	06/17/2022 07:52	<a href="#">WG1880840</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	40100		1400	5000	50	06/10/2022 16:26	<a href="#">WG1875421</a>
Manganese	6500		35.2	250	50	06/10/2022 16:26	<a href="#">WG1875421</a>

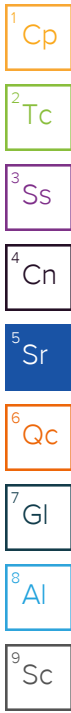
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21000		2.87	6.78	10	06/07/2022 14:51	<a href="#">WG1875670</a>
Ethane	478		0.296	1.29	1	06/07/2022 11:36	<a href="#">WG1874346</a>
Ethene	483		0.422	1.27	1	06/07/2022 11:36	<a href="#">WG1874346</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Acrylonitrile	U		0.760	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Benzene	U		0.160	0.400	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Bromobenzene	U		0.420	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Bromodichloromethane	U		0.315	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Bromoform	U		2.39	10.0	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Bromomethane	U	UJ C3	1.48	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
n-Butylbenzene	U		1.53	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
sec-Butylbenzene	U		1.01	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
tert-Butylbenzene	U		0.620	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Carbon tetrachloride	U		0.432	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Chlorobenzene	U		0.229	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Chlorodibromomethane	U		0.180	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Chloroethane	U	UJ C3	0.432	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Chloroform	U		0.166	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Chloromethane	U		0.556	5.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
2-Chlorotoluene	U		0.368	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
4-Chlorotoluene	U		0.452	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,2-Dibromoethane	U		0.210	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Dibromomethane	U		0.400	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,4-Dichlorobenzene	U	UJ C3	0.788	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
Dichlorodifluoromethane	U		0.327	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,1-Dichloroethane	U		0.230	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,2-Dichloroethane	U		0.190	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,1-Dichloroethene	U		0.200	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
cis-1,2-Dichloroethene	188		0.276	1.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
trans-1,2-Dichloroethene	3.46		0.572	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>
1,2-Dichloropropane	U		0.508	2.00	10	06/08/2022 01:28	<a href="#">WG1875475</a>

JC 7/21/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.280	1.00	10	06/08/2022 01:28	WG1875475
1,3-Dichloropropane	U		0.700	2.00	10	06/08/2022 01:28	WG1875475
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/08/2022 01:28	WG1875475
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/08/2022 01:28	WG1875475
2,2-Dichloropropane	U		0.317	1.00	10	06/08/2022 01:28	WG1875475
Di-isopropyl ether	U		0.140	0.400	10	06/08/2022 01:28	WG1875475
Ethylbenzene	U		0.212	1.00	10	06/08/2022 01:28	WG1875475
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/08/2022 01:28	WG1875475
Isopropylbenzene	U		0.345	1.00	10	06/08/2022 01:28	WG1875475
p-Isopropyltoluene	U		0.932	2.00	10	06/08/2022 01:28	WG1875475
2-Butanone (MEK)	U		5.00	10.0	10	06/08/2022 01:28	WG1875475
Methylene Chloride	U		2.65	10.0	10	06/08/2022 01:28	WG1875475
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/08/2022 01:28	WG1875475
Methyl tert-butyl ether	U		0.118	0.400	10	06/08/2022 01:28	WG1875475
Naphthalene	U		1.24	5.00	10	06/08/2022 01:28	WG1875475
n-Propylbenzene	U		0.472	2.00	10	06/08/2022 01:28	WG1875475
Styrene	U		1.09	5.00	10	06/08/2022 01:28	WG1875475
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/08/2022 01:28	WG1875475
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/08/2022 01:28	WG1875475
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/08/2022 01:28	WG1875475
Tetrachloroethene	U		0.280	1.00	10	06/08/2022 01:28	WG1875475
Toluene	U		0.500	2.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/08/2022 01:28	WG1875475
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/08/2022 01:28	WG1875475
1,1,1-Trichloroethane	U		0.110	1.00	10	06/08/2022 01:28	WG1875475
1,1,2-Trichloroethane	U		0.353	1.00	10	06/08/2022 01:28	WG1875475
Trichloroethene	U		0.160	0.400	10	06/08/2022 01:28	WG1875475
Trichlorofluoromethane	U	UJ C3	0.200	1.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trichloropropane	U		2.04	5.00	10	06/08/2022 01:28	WG1875475
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/08/2022 01:28	WG1875475
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/08/2022 01:28	WG1875475
Vinyl chloride	602		0.273	1.00	10	06/08/2022 01:28	WG1875475
Xylenes, Total	U		1.91	2.60	10	06/08/2022 01:28	WG1875475
Ethyl Ether	U	UJ C3	0.170	1.00	10	06/08/2022 01:28	WG1875475
Tetrahydrofuran	U		0.900	5.00	10	06/08/2022 01:28	WG1875475
Iodomethane	U		2.42	5.00	10	06/08/2022 01:28	WG1875475
Allyl chloride	U		5.80	10.0	10	06/08/2022 01:28	WG1875475
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	06/08/2022 01:28	WG1875475
(S) Toluene-d8	107			75.0-131		06/08/2022 01:28	WG1875475
(S) 4-Bromofluorobenzene	101			67.0-138		06/08/2022 01:28	WG1875475
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/08/2022 01:28	WG1875475

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 23:24	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:24	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 23:24	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:24	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:24	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 23:24	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 23:24	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:24	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:24	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:24	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:24	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:24	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:24	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:24	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 23:24	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 23:24	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:24	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 23:24	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:24	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:24	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:24	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:24	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:24	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 23:24	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 23:24	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 23:24	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 23:24	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:24	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 23:24	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:24	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:24	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:24	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:24	WG1874160
Di-isopropyl ether	0.0650	J+ C5	0.0140	0.0400	1	06/03/2022 23:24	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:24	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 23:24	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:24	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:24	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:24	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:24	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:24	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:24	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 23:24	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:24	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:24	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:24	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:24	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:24	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 01:09	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 23:24	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 23:24	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 23:24	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:24	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:24	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:24	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:24	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:24	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Vinyl chloride	0.0910	<u>J</u>	0.0273	0.100	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Ethyl Ether	0.374	J+ <u>C5</u>	0.0170	0.100	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:24	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:24	<a href="#">WG1874160</a>
(S) Toluene-d8	111			75.0-131		06/03/2022 23:24	<a href="#">WG1874160</a>
(S) Toluene-d8	105			75.0-131		06/08/2022 01:09	<a href="#">WG1875475</a>
(S) 4-Bromofluorobenzene	95.3			67.0-138		06/03/2022 23:24	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	95.9			67.0-138		06/08/2022 01:09	<a href="#">WG1875475</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 23:24	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		06/08/2022 01:09	<a href="#">WG1875475</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

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Qc

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Gl

8  
Al

9  
Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2022 23:42	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:42	WG1874160
Benzene	0.0250	J	0.0160	0.0400	1	06/03/2022 23:42	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:42	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:42	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2022 23:42	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 23:42	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:42	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:42	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:42	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:42	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:42	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:42	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:42	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 23:42	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 23:42	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:42	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2022 23:42	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:42	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:42	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:42	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:42	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:42	WG1874160
1,1-Dichloroethane	0.342		0.0230	0.100	1	06/03/2022 23:42	WG1874160
1,2-Dichloroethane	0.0860	J	0.0190	0.100	1	06/03/2022 23:42	WG1874160
1,1-Dichloroethene	0.192		0.0200	0.100	1	06/03/2022 23:42	WG1874160
cis-1,2-Dichloroethene	44.1		0.0276	0.100	1	06/03/2022 23:42	WG1874160
trans-1,2-Dichloroethene	0.0590	J	0.0572	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:42	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 23:42	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:42	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:42	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:42	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:42	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 23:42	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:42	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/03/2022 23:42	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:42	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:42	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:42	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:42	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:42	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:42	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/03/2022 23:42	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:42	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:42	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:42	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:42	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:42	WG1874160
Tetrachloroethene	0.145		0.0280	0.100	1	06/03/2022 23:42	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 23:42	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/03/2022 23:42	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/03/2022 23:42	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:42	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Trichloroethene	6.93		0.0160	0.0400	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:42	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:42	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:42	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:42	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Vinyl chloride	5.19	J+ C5	0.0273	0.100	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:42	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:42	<a href="#">WG1874160</a>
(S) Toluene-d8	112			75.0-131		06/03/2022 23:42	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/03/2022 23:42	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/03/2022 23:42	<a href="#">WG1874160</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/04/2022 00:01	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/04/2022 00:01	WG1874160
Benzene	20.3		0.0160	0.0400	1	06/04/2022 00:01	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/04/2022 00:01	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/04/2022 00:01	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/04/2022 00:01	WG1874160
Bromomethane	U		0.148	0.500	1	06/04/2022 00:01	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/04/2022 00:01	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/04/2022 00:01	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2022 00:01	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2022 00:01	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/04/2022 00:01	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2022 00:01	WG1874160
Chloroethane	U		0.0432	0.200	1	06/04/2022 00:01	WG1874160
Chloroform	U		0.0166	0.100	1	06/04/2022 00:01	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/04/2022 00:01	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2022 00:01	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/04/2022 00:01	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2022 00:01	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2022 00:01	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2022 00:01	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2022 00:01	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2022 00:01	WG1874160
1,1-Dichloroethane	0.213		0.0230	0.100	1	06/04/2022 00:01	WG1874160
1,2-Dichloroethane	0.691		0.0190	0.100	1	06/04/2022 00:01	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2022 00:01	WG1874160
cis-1,2-Dichloroethene	1.10		0.0276	0.100	1	06/04/2022 00:01	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dichloropropane	0.178	J	0.0508	0.200	1	06/04/2022 00:01	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2022 00:01	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2022 00:01	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2022 00:01	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2022 00:01	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2022 00:01	WG1874160
Di-isopropyl ether	0.0280	J	0.0140	0.0400	1	06/04/2022 00:01	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/04/2022 00:01	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/04/2022 00:01	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/04/2022 00:01	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2022 00:01	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2022 00:01	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/04/2022 00:01	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2022 00:01	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2022 00:01	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/04/2022 00:01	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/04/2022 00:01	WG1874160
Styrene	U		0.109	0.500	1	06/04/2022 00:01	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2022 00:01	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2022 00:01	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2022 00:01	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/04/2022 00:01	WG1874160
Toluene	0.0670	J	0.0500	0.200	1	06/04/2022 00:01	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/04/2022 00:01	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/04/2022 00:01	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2022 00:01	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2022 00:01	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2022 00:01	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2022 00:01	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2022 00:01	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Vinyl chloride	32.7	J+ C5	0.0273	0.100	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Ethyl Ether	0.133	J+ C5	0.0170	0.100	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/04/2022 00:01	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2022 00:01	<a href="#">WG1874160</a>
(S) Toluene-d8	111			75.0-131		06/04/2022 00:01	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/04/2022 00:01	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/04/2022 00:01	<a href="#">WG1874160</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

8  
Al

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Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.64		0.548	1.00	1	06/04/2022 00:20	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/04/2022 00:20	WG1874160
Benzene	U		0.0160	0.0400	1	06/04/2022 00:20	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/04/2022 00:20	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/04/2022 00:20	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/04/2022 00:20	WG1874160
Bromomethane	U		0.148	0.500	1	06/04/2022 00:20	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/04/2022 00:20	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/04/2022 00:20	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2022 00:20	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/04/2022 00:20	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2022 00:20	WG1874160
Chloroethane	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chloroform	U		0.0166	0.100	1	06/04/2022 00:20	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/04/2022 00:20	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2022 00:20	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/04/2022 00:20	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2022 00:20	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2022 00:20	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2022 00:20	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2022 00:20	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2022 00:20	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2022 00:20	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2022 00:20	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2022 00:20	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2022 00:20	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2022 00:20	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2022 00:20	WG1874160
Di-isopropyl ether	0.123	J+ C5	0.0140	0.0400	1	06/04/2022 00:20	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/04/2022 00:20	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/04/2022 00:20	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/04/2022 00:20	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2022 00:20	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2022 00:20	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/04/2022 00:20	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2022 00:20	WG1874160
Methyl tert-butyl ether	0.0620		0.0118	0.0400	1	06/04/2022 00:20	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/04/2022 00:20	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/04/2022 00:20	WG1874160
Styrene	U		0.109	0.500	1	06/04/2022 00:20	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2022 00:20	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2022 00:20	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
Toluene	U		0.0500	0.200	1	06/04/2022 00:20	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/04/2022 00:20	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/04/2022 00:20	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2022 00:20	WG1874160

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/26/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
(S) Toluene-d8	114			75.0-131		06/04/2022 00:20	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/04/2022 00:20	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/04/2022 00:20	<a href="#">WG1874160</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 7/26/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	ug/l		ug/l	ug/l			
Acetone	3.64		0.548	1.00	1	06/04/2022 00:20	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/04/2022 00:20	WG1874160
Benzene	U		0.0160	0.0400	1	06/04/2022 00:20	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/04/2022 00:20	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/04/2022 00:20	WG1874160
Bromoform	U	UJ C3	0.239	1.00	1	06/04/2022 00:20	WG1874160
Bromomethane	U		0.148	0.500	1	06/04/2022 00:20	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/04/2022 00:20	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/04/2022 00:20	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2022 00:20	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/04/2022 00:20	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2022 00:20	WG1874160
Chloroethane	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chloroform	U		0.0166	0.100	1	06/04/2022 00:20	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/04/2022 00:20	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2022 00:20	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/04/2022 00:20	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2022 00:20	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2022 00:20	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2022 00:20	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2022 00:20	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2022 00:20	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2022 00:20	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2022 00:20	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2022 00:20	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2022 00:20	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2022 00:20	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2022 00:20	WG1874160
Di-isopropyl ether	0.123	J+ C5	0.0140	0.0400	1	06/04/2022 00:20	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/04/2022 00:20	WG1874160
Hexachloro-1,3-butadiene	U	UJ C3 J4	0.508	1.00	1	06/04/2022 00:20	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/04/2022 00:20	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2022 00:20	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2022 00:20	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/04/2022 00:20	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2022 00:20	WG1874160
Methyl tert-butyl ether	0.0620		0.0118	0.0400	1	06/04/2022 00:20	WG1874160
Naphthalene	U	UJ C3	0.124	0.500	1	06/04/2022 00:20	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/04/2022 00:20	WG1874160
Styrene	U		0.109	0.500	1	06/04/2022 00:20	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2022 00:20	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2022 00:20	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
Toluene	U		0.0500	0.200	1	06/04/2022 00:20	WG1874160
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/04/2022 00:20	WG1874160
1,2,4-Trichlorobenzene	U	UJ C4 J4	0.193	0.500	1	06/04/2022 00:20	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2022 00:20	WG1874160

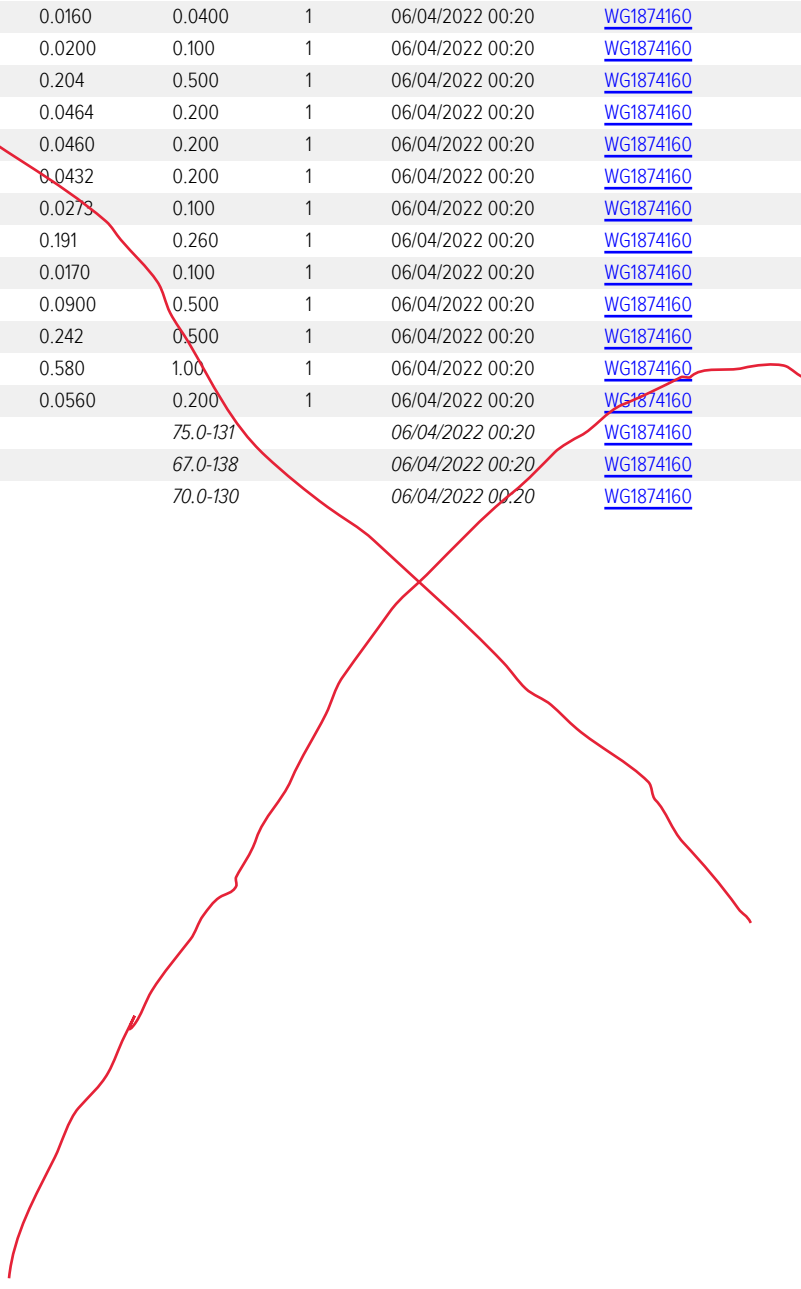
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trichloroethene	U		0.0160	0.0400	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Vinyl chloride	U		0.0273	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Xylenes, Total	U		0.191	0.260	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Ethyl Ether	U		0.0170	0.100	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Iodomethane	U		0.242	0.500	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Allyl chloride	U		0.580	1.00	1	06/04/2022 00:20	<a href="#">WG1874160</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2022 00:20	<a href="#">WG1874160</a>
(S) Toluene-d8	114			75.0-131		06/04/2022 00:20	<a href="#">WG1874160</a>
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/04/2022 00:20	<a href="#">WG1874160</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/04/2022 00:20	<a href="#">WG1874160</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.81	J- C3	0.548	1.00	1	06/13/2022 21:10	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:10	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 21:10	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:10	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:10	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:10	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:10	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:10	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:10	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:10	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:10	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:10	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:10	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:10	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 21:10	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:10	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:10	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:10	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:10	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:10	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:10	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:10	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:10	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 21:10	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:10	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:10	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 21:10	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:10	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:10	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:10	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:10	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:10	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:10	WG1878830
Di-isopropyl ether	0.206		0.0140	0.0400	1	06/13/2022 21:10	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:10	WG1878830
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/13/2022 21:10	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:10	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:10	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:10	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:10	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:10	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 21:10	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:10	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:10	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:10	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:10	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	06/13/2022 21:10	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:10	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:10	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 21:10	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:10	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:10	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:10	WG1878830

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:10	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:10	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:10	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:10	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<del>U3</del>	0.0900	0.500	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Iodomethane	U		0.242	0.500	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:10	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	06/13/2022 21:10	<a href="#">WG1878830</a>
(S) Toluene-d8	103			75.0-131		06/13/2022 21:10	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 21:10	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/13/2022 21:10	<a href="#">WG1878830</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.89	J- C3	0.548	1.00	1	06/13/2022 21:29	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:29	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 21:29	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:29	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:29	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:29	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:29	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:29	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:29	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:29	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:29	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:29	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:29	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:29	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 21:29	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:29	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:29	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:29	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:29	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:29	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:29	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:29	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:29	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 21:29	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:29	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:29	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 21:29	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:29	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:29	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:29	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:29	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:29	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:29	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/13/2022 21:29	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:29	WG1878830
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/13/2022 21:29	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:29	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:29	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:29	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:29	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:29	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 21:29	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:29	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:29	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:29	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:29	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	06/13/2022 21:29	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:29	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:29	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 21:29	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:29	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:29	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:29	WG1878830

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:29	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:29	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:29	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:29	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Iodomethane	U		0.242	0.500	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:29	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	06/13/2022 21:29	<a href="#">WG1878830</a>
(S) Toluene-d8	99.4			75.0-131		06/13/2022 21:29	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/13/2022 21:29	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/13/2022 21:29	<a href="#">WG1878830</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.12	J- C3	0.548	1.00	1	06/13/2022 21:49	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:49	WG1878830
Benzene	36.4		0.0160	0.0400	1	06/13/2022 21:49	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:49	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:49	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:49	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:49	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:49	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:49	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:49	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:49	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:49	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:49	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:49	WG1878830
Chloroform	0.253		0.0166	0.100	1	06/13/2022 21:49	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:49	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:49	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:49	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:49	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:49	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:49	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:49	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:49	WG1878830
1,1-Dichloroethane	0.137		0.0230	0.100	1	06/13/2022 21:49	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:49	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:49	WG1878830
cis-1,2-Dichloroethene	2.51		0.0276	0.100	1	06/13/2022 21:49	WG1878830
trans-1,2-Dichloroethene	0.0880	J	0.0572	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:49	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:49	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:49	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:49	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:49	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:49	WG1878830
Di-isopropyl ether	0.602		0.0140	0.0400	1	06/13/2022 21:49	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:49	WG1878830
Hexachloro-1,3-butadiene	U	JS	0.508	1.00	1	06/13/2022 21:49	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:49	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:49	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:49	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:49	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:49	WG1878830
Methyl tert-butyl ether	0.371		0.0118	0.0400	1	06/13/2022 21:49	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:49	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:49	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:49	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:49	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	06/13/2022 21:49	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:49	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:49	WG1878830
Toluene	0.135	J	0.0500	0.200	1	06/13/2022 21:49	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:49	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:49	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:49	WG1878830

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:49	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:49	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:49	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:49	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Vinyl chloride	66.4		0.0273	0.100	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Ethyl Ether	0.506		0.0170	0.100	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<del>U3</del>	0.0900	0.500	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Iodomethane	U		0.242	0.500	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:49	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/13/2022 21:49	<a href="#">WG1878830</a>
(S) Toluene-d8	102			75.0-131		06/13/2022 21:49	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	101			67.0-138		06/13/2022 21:49	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/13/2022 21:49	<a href="#">WG1878830</a>

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Cp

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Tc

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Ss

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Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	27.4	50.0	50	06/13/2022 22:28	WG1878830
Acrylonitrile	U		3.80	25.0	50	06/13/2022 22:28	WG1878830
Benzene	2.55		0.800	2.00	50	06/13/2022 22:28	WG1878830
Bromobenzene	U		2.10	25.0	50	06/13/2022 22:28	WG1878830
Bromodichloromethane	U		1.58	5.00	50	06/13/2022 22:28	WG1878830
Bromoform	U		12.0	50.0	50	06/13/2022 22:28	WG1878830
Bromomethane	U		7.40	25.0	50	06/13/2022 22:28	WG1878830
n-Butylbenzene	U		7.65	25.0	50	06/13/2022 22:28	WG1878830
sec-Butylbenzene	U		5.05	25.0	50	06/13/2022 22:28	WG1878830
tert-Butylbenzene	U		3.10	10.0	50	06/13/2022 22:28	WG1878830
Carbon tetrachloride	U		2.16	10.0	50	06/13/2022 22:28	WG1878830
Chlorobenzene	U		1.15	5.00	50	06/13/2022 22:28	WG1878830
Chlorodibromomethane	U		0.900	5.00	50	06/13/2022 22:28	WG1878830
Chloroethane	U		2.16	10.0	50	06/13/2022 22:28	WG1878830
Chloroform	U		0.830	5.00	50	06/13/2022 22:28	WG1878830
Chloromethane	U		2.78	25.0	50	06/13/2022 22:28	WG1878830
2-Chlorotoluene	U		1.84	5.00	50	06/13/2022 22:28	WG1878830
4-Chlorotoluene	U		2.26	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	06/13/2022 22:28	WG1878830
1,2-Dibromoethane	U		1.05	5.00	50	06/13/2022 22:28	WG1878830
Dibromomethane	U		2.00	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dichlorobenzene	U		2.90	10.0	50	06/13/2022 22:28	WG1878830
1,3-Dichlorobenzene	U		3.40	10.0	50	06/13/2022 22:28	WG1878830
1,4-Dichlorobenzene	U		3.94	10.0	50	06/13/2022 22:28	WG1878830
Dichlorodifluoromethane	U		1.64	5.00	50	06/13/2022 22:28	WG1878830
1,1-Dichloroethane	U		1.15	5.00	50	06/13/2022 22:28	WG1878830
1,2-Dichloroethane	U		0.950	5.00	50	06/13/2022 22:28	WG1878830
1,1-Dichloroethene	8.80		1.00	5.00	50	06/13/2022 22:28	WG1878830
cis-1,2-Dichloroethene	3200		1.38	5.00	50	06/13/2022 22:28	WG1878830
trans-1,2-Dichloroethene	13.7		2.86	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dichloropropane	U		2.54	10.0	50	06/13/2022 22:28	WG1878830
1,1-Dichloropropene	U		1.40	5.00	50	06/13/2022 22:28	WG1878830
1,3-Dichloropropane	U		3.50	10.0	50	06/13/2022 22:28	WG1878830
cis-1,3-Dichloropropene	U		1.36	5.00	50	06/13/2022 22:28	WG1878830
trans-1,3-Dichloropropene	U		3.06	10.0	50	06/13/2022 22:28	WG1878830
2,2-Dichloropropane	U		1.59	5.00	50	06/13/2022 22:28	WG1878830
Di-isopropyl ether	U		0.700	2.00	50	06/13/2022 22:28	WG1878830
Ethylbenzene	U		1.06	5.00	50	06/13/2022 22:28	WG1878830
Hexachloro-1,3-butadiene	U	JS	25.4	50.0	50	06/13/2022 22:28	WG1878830
Isopropylbenzene	U		1.73	5.00	50	06/13/2022 22:28	WG1878830
p-Isopropyltoluene	U		4.66	10.0	50	06/13/2022 22:28	WG1878830
2-Butanone (MEK)	U		25.0	50.0	50	06/13/2022 22:28	WG1878830
Methylene Chloride	U		13.3	50.0	50	06/13/2022 22:28	WG1878830
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	06/13/2022 22:28	WG1878830
Methyl tert-butyl ether	2.15		0.590	2.00	50	06/13/2022 22:28	WG1878830
Naphthalene	U		6.20	25.0	50	06/13/2022 22:28	WG1878830
n-Propylbenzene	U		2.36	10.0	50	06/13/2022 22:28	WG1878830
Styrene	U		5.45	25.0	50	06/13/2022 22:28	WG1878830
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	06/13/2022 22:28	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.780	5.00	50	06/13/2022 22:28	WG1878830
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	06/13/2022 22:28	WG1878830
Tetrachloroethene	U		1.40	5.00	50	06/13/2022 22:28	WG1878830
Toluene	U		2.50	10.0	50	06/13/2022 22:28	WG1878830
1,2,3-Trichlorobenzene	U		1.25	25.0	50	06/13/2022 22:28	WG1878830
1,2,4-Trichlorobenzene	U		9.65	25.0	50	06/13/2022 22:28	WG1878830
1,1,1-Trichloroethane	U		0.550	5.00	50	06/13/2022 22:28	WG1878830

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1,2-Trichloroethane	U		1.77	5.00	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Trichloroethene	U		0.800	2.00	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Trichlorofluoromethane	U		1.00	5.00	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
1,2,3-Trichloropropane	U		10.2	25.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
1,2,4-Trimethylbenzene	U		2.32	10.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
1,2,3-Trimethylbenzene	U		2.30	10.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
1,3,5-Trimethylbenzene	U		2.16	10.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Vinyl chloride	101		1.36	5.00	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Xylenes, Total	U		9.55	13.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Ethyl Ether	U		0.850	5.00	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Tetrahydrofuran	U	<del>33</del>	4.50	25.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Iodomethane	U		12.1	25.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Allyl chloride	U		29.0	50.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>	
Trans-1,4-Dichloro-2-butene	U	UJ	<del>C3</del>	2.80	10.0	50	06/13/2022 22:28	<a href="#">WG1878830</a>
(S) Toluene-d8	98.8			75.0-131		06/13/2022 22:28	<a href="#">WG1878830</a>	
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 22:28	<a href="#">WG1878830</a>	
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		06/13/2022 22:28	<a href="#">WG1878830</a>	

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	54.8	100	100	06/13/2022 22:47	WG1878830
Acrylonitrile	U		7.60	50.0	100	06/13/2022 22:47	WG1878830
Benzene	U		1.60	4.00	100	06/13/2022 22:47	WG1878830
Bromobenzene	U		4.20	50.0	100	06/13/2022 22:47	WG1878830
Bromodichloromethane	U		3.15	10.0	100	06/13/2022 22:47	WG1878830
Bromoform	U		23.9	100	100	06/13/2022 22:47	WG1878830
Bromomethane	U		14.8	50.0	100	06/13/2022 22:47	WG1878830
n-Butylbenzene	U		15.3	50.0	100	06/13/2022 22:47	WG1878830
sec-Butylbenzene	U		10.1	50.0	100	06/13/2022 22:47	WG1878830
tert-Butylbenzene	U		6.20	20.0	100	06/13/2022 22:47	WG1878830
Carbon tetrachloride	U		4.32	20.0	100	06/13/2022 22:47	WG1878830
Chlorobenzene	U		2.29	10.0	100	06/13/2022 22:47	WG1878830
Chlorodibromomethane	U		1.80	10.0	100	06/13/2022 22:47	WG1878830
Chloroethane	U		4.32	20.0	100	06/13/2022 22:47	WG1878830
Chloroform	U		1.66	10.0	100	06/13/2022 22:47	WG1878830
Chloromethane	U		5.56	50.0	100	06/13/2022 22:47	WG1878830
2-Chlorotoluene	U		3.68	10.0	100	06/13/2022 22:47	WG1878830
4-Chlorotoluene	U		4.52	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	06/13/2022 22:47	WG1878830
1,2-Dibromoethane	U		2.10	10.0	100	06/13/2022 22:47	WG1878830
Dibromomethane	U		4.00	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dichlorobenzene	U		5.80	20.0	100	06/13/2022 22:47	WG1878830
1,3-Dichlorobenzene	U		6.80	20.0	100	06/13/2022 22:47	WG1878830
1,4-Dichlorobenzene	U		7.88	20.0	100	06/13/2022 22:47	WG1878830
Dichlorodifluoromethane	U		3.27	10.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloroethane	U		2.30	10.0	100	06/13/2022 22:47	WG1878830
1,2-Dichloroethane	U		1.90	10.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloroethene	U		2.00	10.0	100	06/13/2022 22:47	WG1878830
cis-1,2-Dichloroethene	540		2.76	10.0	100	06/13/2022 22:47	WG1878830
trans-1,2-Dichloroethene	U		5.72	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dichloropropane	U		5.08	20.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloropropene	U		2.80	10.0	100	06/13/2022 22:47	WG1878830
1,3-Dichloropropane	U		7.00	20.0	100	06/13/2022 22:47	WG1878830
cis-1,3-Dichloropropene	U		2.71	10.0	100	06/13/2022 22:47	WG1878830
trans-1,3-Dichloropropene	U		6.12	20.0	100	06/13/2022 22:47	WG1878830
2,2-Dichloropropane	U		3.17	10.0	100	06/13/2022 22:47	WG1878830
Di-isopropyl ether	U		1.40	4.00	100	06/13/2022 22:47	WG1878830
Ethylbenzene	U		2.12	10.0	100	06/13/2022 22:47	WG1878830
Hexachloro-1,3-butadiene	U	JS	50.8	100	100	06/13/2022 22:47	WG1878830
Isopropylbenzene	U		3.45	10.0	100	06/13/2022 22:47	WG1878830
p-Isopropyltoluene	U		9.32	20.0	100	06/13/2022 22:47	WG1878830
2-Butanone (MEK)	U		50.0	100	100	06/13/2022 22:47	WG1878830
Methylene Chloride	U		26.5	100	100	06/13/2022 22:47	WG1878830
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	06/13/2022 22:47	WG1878830
Methyl tert-butyl ether	U		1.18	4.00	100	06/13/2022 22:47	WG1878830
Naphthalene	U		12.4	50.0	100	06/13/2022 22:47	WG1878830
n-Propylbenzene	U		4.72	20.0	100	06/13/2022 22:47	WG1878830
Styrene	U		10.9	50.0	100	06/13/2022 22:47	WG1878830
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	06/13/2022 22:47	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	1.56	10.0	100	06/13/2022 22:47	WG1878830
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	06/13/2022 22:47	WG1878830
Tetrachloroethene	154		2.80	10.0	100	06/13/2022 22:47	WG1878830
Toluene	U		5.00	20.0	100	06/13/2022 22:47	WG1878830
1,2,3-Trichlorobenzene	U		2.50	50.0	100	06/13/2022 22:47	WG1878830
1,2,4-Trichlorobenzene	U		19.3	50.0	100	06/13/2022 22:47	WG1878830
1,1,1-Trichloroethane	U		1.10	10.0	100	06/13/2022 22:47	WG1878830

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.53	10.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Trichloroethene	204		1.60	4.00	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		2.00	10.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Vinyl chloride	U		2.73	10.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Xylenes, Total	U		19.1	26.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Ethyl Ether	U		1.70	10.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<del>JS</del>	9.00	50.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Iodomethane	U		24.2	50.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Allyl chloride	U		58.0	100	100	06/13/2022 22:47	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	5.60	20.0	100	06/13/2022 22:47	<a href="#">WG1878830</a>
(S) Toluene-d8	99.4			75.0-131		06/13/2022 22:47	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 22:47	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		06/13/2022 22:47	<a href="#">WG1878830</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	5.48	10.0	10	06/13/2022 23:07	WG1878830
Acrylonitrile	U		0.760	5.00	10	06/13/2022 23:07	WG1878830
Benzene	0.230	J	0.160	0.400	10	06/13/2022 23:07	WG1878830
Bromobenzene	U		0.420	5.00	10	06/13/2022 23:07	WG1878830
Bromodichloromethane	U		0.315	1.00	10	06/13/2022 23:07	WG1878830
Bromoform	U		2.39	10.0	10	06/13/2022 23:07	WG1878830
Bromomethane	U		1.48	5.00	10	06/13/2022 23:07	WG1878830
n-Butylbenzene	U		1.53	5.00	10	06/13/2022 23:07	WG1878830
sec-Butylbenzene	U		1.01	5.00	10	06/13/2022 23:07	WG1878830
tert-Butylbenzene	U		0.620	2.00	10	06/13/2022 23:07	WG1878830
Carbon tetrachloride	U		0.432	2.00	10	06/13/2022 23:07	WG1878830
Chlorobenzene	U		0.229	1.00	10	06/13/2022 23:07	WG1878830
Chlorodibromomethane	U		0.180	1.00	10	06/13/2022 23:07	WG1878830
Chloroethane	U		0.432	2.00	10	06/13/2022 23:07	WG1878830
Chloroform	U		0.166	1.00	10	06/13/2022 23:07	WG1878830
Chloromethane	U		0.556	5.00	10	06/13/2022 23:07	WG1878830
2-Chlorotoluene	U		0.368	1.00	10	06/13/2022 23:07	WG1878830
4-Chlorotoluene	U		0.452	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/13/2022 23:07	WG1878830
1,2-Dibromoethane	U		0.210	1.00	10	06/13/2022 23:07	WG1878830
Dibromomethane	U		0.400	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dichlorobenzene	U		0.580	2.00	10	06/13/2022 23:07	WG1878830
1,3-Dichlorobenzene	U		0.680	2.00	10	06/13/2022 23:07	WG1878830
1,4-Dichlorobenzene	U		0.788	2.00	10	06/13/2022 23:07	WG1878830
Dichlorodifluoromethane	U		0.327	1.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloroethane	U		0.230	1.00	10	06/13/2022 23:07	WG1878830
1,2-Dichloroethane	U		0.190	1.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloroethene	U		0.200	1.00	10	06/13/2022 23:07	WG1878830
cis-1,2-Dichloroethene	263		0.276	1.00	10	06/13/2022 23:07	WG1878830
trans-1,2-Dichloroethene	1.03	J	0.572	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dichloropropane	U		0.508	2.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloropropene	U		0.280	1.00	10	06/13/2022 23:07	WG1878830
1,3-Dichloropropane	U		0.700	2.00	10	06/13/2022 23:07	WG1878830
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/13/2022 23:07	WG1878830
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/13/2022 23:07	WG1878830
2,2-Dichloropropane	U		0.317	1.00	10	06/13/2022 23:07	WG1878830
Di-isopropyl ether	U		0.140	0.400	10	06/13/2022 23:07	WG1878830
Ethylbenzene	U		0.212	1.00	10	06/13/2022 23:07	WG1878830
Hexachloro-1,3-butadiene	U	J3	5.08	10.0	10	06/13/2022 23:07	WG1878830
Isopropylbenzene	U		0.345	1.00	10	06/13/2022 23:07	WG1878830
p-Isopropyltoluene	U		0.932	2.00	10	06/13/2022 23:07	WG1878830
2-Butanone (MEK)	U		5.00	10.0	10	06/13/2022 23:07	WG1878830
Methylene Chloride	U		2.65	10.0	10	06/13/2022 23:07	WG1878830
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/13/2022 23:07	WG1878830
Methyl tert-butyl ether	U		0.118	0.400	10	06/13/2022 23:07	WG1878830
Naphthalene	U		1.24	5.00	10	06/13/2022 23:07	WG1878830
n-Propylbenzene	U		0.472	2.00	10	06/13/2022 23:07	WG1878830
Styrene	U		1.09	5.00	10	06/13/2022 23:07	WG1878830
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/13/2022 23:07	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.156	1.00	10	06/13/2022 23:07	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/13/2022 23:07	WG1878830
Tetrachloroethene	U		0.280	1.00	10	06/13/2022 23:07	WG1878830
Toluene	U		0.500	2.00	10	06/13/2022 23:07	WG1878830
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/13/2022 23:07	WG1878830
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/13/2022 23:07	WG1878830
1,1,1-Trichloroethane	U		0.110	1.00	10	06/13/2022 23:07	WG1878830

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Trichloroethene	0.620		0.160	0.400	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		0.200	1.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Vinyl chloride	7.39		0.273	1.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Xylenes, Total	U		1.91	2.60	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Ethyl Ether	U		0.170	1.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<del>J3</del>	0.900	5.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Iodomethane	U		2.42	5.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Allyl chloride	U		5.80	10.0	10	06/13/2022 23:07	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.560	2.00	10	06/13/2022 23:07	<a href="#">WG1878830</a>
(S) Toluene-d8	96.1			75.0-131		06/13/2022 23:07	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 23:07	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/13/2022 23:07	<a href="#">WG1878830</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	06/13/2022 22:08	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 22:08	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 22:08	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 22:08	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 22:08	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 22:08	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 22:08	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 22:08	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 22:08	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 22:08	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 22:08	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 22:08	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 22:08	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 22:08	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 22:08	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 22:08	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 22:08	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 22:08	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 22:08	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 22:08	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 22:08	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 22:08	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 22:08	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 22:08	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 22:08	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 22:08	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 22:08	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 22:08	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 22:08	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 22:08	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 22:08	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 22:08	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 22:08	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/13/2022 22:08	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 22:08	WG1878830
Hexachloro-1,3-butadiene	U	JS	0.508	1.00	1	06/13/2022 22:08	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 22:08	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 22:08	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 22:08	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 22:08	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 22:08	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 22:08	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 22:08	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 22:08	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 22:08	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 22:08	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	06/13/2022 22:08	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 22:08	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 22:08	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 22:08	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 22:08	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 22:08	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 22:08	WG1878830

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 22:08	<a href="#">WG1878830</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 22:08	<a href="#">WG1878830</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 22:08	<a href="#">WG1878830</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 22:08	<a href="#">WG1878830</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Xylenes, Total	U		0.191	0.260	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Iodomethane	U		0.242	0.500	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Allyl chloride	U		0.580	1.00	1	06/13/2022 22:08	<a href="#">WG1878830</a>
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	06/13/2022 22:08	<a href="#">WG1878830</a>
(S) Toluene-d8	100			75.0-131		06/13/2022 22:08	<a href="#">WG1878830</a>
(S) 4-Bromofluorobenzene	97.1			67.0-138		06/13/2022 22:08	<a href="#">WG1878830</a>
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		06/13/2022 22:08	<a href="#">WG1878830</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	67200		594	5000	1	06/30/2022 01:03	<a href="#">WG1887297</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5780		102	1000	1	06/20/2022 23:49	<a href="#">WG1882236</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4150		28.1	100	1	06/19/2022 22:34	<a href="#">WG1879852</a>
Manganese	1140		0.704	5.00	1	06/19/2022 22:34	<a href="#">WG1879852</a>

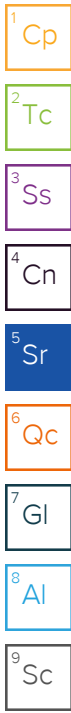
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	477		2.91	10.0	1	06/15/2022 11:16	<a href="#">WG1878980</a>
Ethane	U		4.07	13.0	1	06/15/2022 11:16	<a href="#">WG1878980</a>
Ethene	U		4.26	13.0	1	06/15/2022 11:16	<a href="#">WG1878980</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Acrylonitrile	U		0.0760	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Benzene	U		0.0160	0.0400	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Bromobenzene	U		0.0420	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Bromodichloromethane	U		0.0315	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Bromoform	U		0.239	1.00	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Bromomethane	U		0.148	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
n-Butylbenzene	U		0.153	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
sec-Butylbenzene	U		0.101	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Chlorobenzene	U		0.0229	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Chloroethane	U		0.0432	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Chloroform	U		0.0166	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Chloromethane	U		0.0556	0.500	1	06/14/2022 02:21	<a href="#">WG1878830</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Dibromomethane	U		0.0400	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
cis-1,2-Dichloroethene	0.540		0.0276	0.100	1	06/14/2022 02:21	<a href="#">WG1878830</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/14/2022 02:21	<a href="#">WG1878830</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/14/2022 02:21	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/14/2022 02:21	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/14/2022 02:21	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/14/2022 02:21	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/14/2022 02:21	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/14/2022 02:21	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/14/2022 02:21	WG1878830
Hexachloro-1,3-butadiene	U	<del>J3</del>	0.508	1.00	1	06/14/2022 02:21	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/14/2022 02:21	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/14/2022 02:21	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/14/2022 02:21	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/14/2022 02:21	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/14/2022 02:21	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/14/2022 02:21	WG1878830
Naphthalene	U		0.124	0.500	1	06/14/2022 02:21	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/14/2022 02:21	WG1878830
Styrene	U		0.109	0.500	1	06/14/2022 02:21	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/14/2022 02:21	WG1878830
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	06/14/2022 02:21	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/14/2022 02:21	WG1878830
Tetrachloroethene	0.0650	J	0.0280	0.100	1	06/14/2022 02:21	WG1878830
Toluene	U		0.0500	0.200	1	06/14/2022 02:21	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/14/2022 02:21	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/14/2022 02:21	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/14/2022 02:21	WG1878830
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/14/2022 02:21	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/14/2022 02:21	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/14/2022 02:21	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/14/2022 02:21	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/14/2022 02:21	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/14/2022 02:21	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/14/2022 02:21	WG1878830
Vinyl chloride	6.75		0.0273	0.100	1	06/14/2022 02:21	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/14/2022 02:21	WG1878830
Ethyl Ether	0.189		0.0170	0.100	1	06/14/2022 02:21	WG1878830
Tetrahydrofuran	U	<del>J3</del>	0.0900	0.500	1	06/14/2022 02:21	WG1878830
Iodomethane	U		0.242	0.500	1	06/14/2022 02:21	WG1878830
Allyl chloride	U		0.580	1.00	1	06/14/2022 02:21	WG1878830
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/14/2022 02:21	WG1878830
(S) Toluene-d8	99.2			75.0-131		06/14/2022 02:21	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/14/2022 02:21	WG1878830
(S) 1,2-Dichloroethane-d4	92.9			70.0-130		06/14/2022 02:21	WG1878830

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Acrylonitrile	U		1.90	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Benzene	U		0.400	1.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Bromobenzene	U		1.05	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.788	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Bromoform	U		5.98	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Bromomethane	U		3.70	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
n-Butylbenzene	U		3.83	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
sec-Butylbenzene	U		2.53	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
tert-Butylbenzene	U		1.55	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Carbon tetrachloride	U		1.08	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Chlorobenzene	U		0.573	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.450	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Chloroethane	U		1.08	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Chloroform	U		0.415	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Chloromethane	U		1.39	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.920	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
4-Chlorotoluene	U		1.13	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.525	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Dibromomethane	U		1.00	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.818	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1-Dichloroethane	U		0.575	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.475	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1-Dichloroethene	0.775	J	0.500	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	354		0.690	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	U		1.43	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		1.27	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.700	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		1.75	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.793	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Di-isopropyl ether	U		0.350	1.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Ethylbenzene	U		0.530	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		12.7	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.863	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		2.33	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		12.5	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Methylene Chloride	U		6.63	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.295	1.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Naphthalene	U		3.10	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
n-Propylbenzene	U		1.18	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Styrene	U		2.73	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.700	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Toluene	U		1.25	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.625	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		4.83	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.275	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.883	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Trichloroethene	U		0.400	1.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.500	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		5.10	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Vinyl chloride	45.5		0.682	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Xylenes, Total	U		4.78	6.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Ethyl Ether	U		0.425	2.50	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Tetrahydrofuran	U		2.25	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Iodomethane	U		6.05	12.5	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Allyl chloride	U		14.5	25.0	25	06/17/2022 22:33	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/17/2022 22:33	<a href="#">WG1880965</a>
(S) Toluene-d8	104			75.0-131		06/17/2022 22:33	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/17/2022 22:33	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	93.2			70.0-130		06/17/2022 22:33	<a href="#">WG1880965</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Benzene	0.0210	J	0.0160	0.0400	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	8.54		0.0276	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Di-isopropyl ether	0.123		0.0140	0.0400	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Methylene Chloride	U		0.265	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Naphthalene	U		0.124	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Styrene	U		0.109	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Toluene	0.227		0.0500	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Vinyl chloride	0.182		0.0273	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Xylenes, Total	0.214	U	0.191	0.260	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Tetrahydrofuran	0.330	U	0.0900	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Iodomethane	U		0.242	0.500	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Allyl chloride	U		0.580	1.00	1	06/17/2022 17:05	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 17:05	<a href="#">WG1880965</a>
(S) Toluene-d8	102			75.0-131		06/17/2022 17:05	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 17:05	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	96.2			70.0-130		06/17/2022 17:05	<a href="#">WG1880965</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Benzene	0.0200	J	0.0160	0.0400	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Methylene Chloride	U		0.265	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Naphthalene	U		0.124	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Styrene	U		0.109	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Toluene	0.160	J	0.0500	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Xylenes, Total	U		0.191	0.260	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Tetrahydrofuran	0.203	U	0.0900	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Iodomethane	U		0.242	0.500	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Allyl chloride	U		0.580	1.00	1	06/17/2022 17:24	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 17:24	<a href="#">WG1880965</a>
(S) Toluene-d8	107			75.0-131		06/17/2022 17:24	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	105			67.0-138		06/17/2022 17:24	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/17/2022 17:24	<a href="#">WG1880965</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

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Qc

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Gl

8  
Al

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Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Acrylonitrile	U		0.760	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Benzene	9.54		0.160	0.400	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Bromobenzene	U		0.420	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.315	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Bromoform	U		2.39	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Bromomethane	U		1.48	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
n-Butylbenzene	U		1.53	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
sec-Butylbenzene	U		1.01	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.620	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.432	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Chlorobenzene	U		0.229	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.180	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Chloroethane	U		0.432	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Chloroform	U		0.166	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Chloromethane	U		0.556	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.368	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.452	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.210	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Dibromomethane	U		0.400	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.327	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1-Dichloroethane	U		0.230	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.190	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1-Dichloroethene	0.640	J	0.200	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	502		0.276	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	1.61	J	0.572	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		0.508	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.280	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		0.700	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.317	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Di-isopropyl ether	U		0.140	0.400	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Ethylbenzene	U		0.212	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.345	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		0.932	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		5.00	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Methylene Chloride	U		2.65	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.118	0.400	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Naphthalene	U		1.24	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
n-Propylbenzene	U		0.472	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Styrene	U		1.09	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.280	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Toluene	0.690	U J	0.500	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/22/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Trichloroethene	1.45		0.160	0.400	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.200	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Vinyl chloride	112		0.273	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Xylenes, Total	U		1.91	2.60	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Ethyl Ether	U		0.170	1.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Tetrahydrofuran	U		0.900	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Iodomethane	U		2.42	5.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Allyl chloride	U		5.80	10.0	10	06/17/2022 23:46	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	06/17/2022 23:46	<a href="#">WG1880965</a>
(S) Toluene-d8	106			75.0-131		06/17/2022 23:46	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	89.5			67.0-138		06/17/2022 23:46	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/17/2022 23:46	<a href="#">WG1880965</a>

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

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Qc

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Gl

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Al

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Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	25300		594	5000	1	07/03/2022 23:51	<a href="#">WG1889344</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4060		102	1000	1	06/22/2022 07:19	<a href="#">WG1882813</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	8450		28.1	100	1	06/28/2022 19:25	<a href="#">WG1883990</a>
Manganese	2370		0.704	5.00	1	06/28/2022 19:25	<a href="#">WG1883990</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

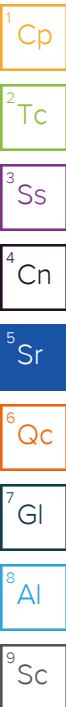
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/17/2022 14:39	<a href="#">WG1880935</a>
(S) a,a,a-Trifluorotoluene(FID)	97.2			78.0-120		06/17/2022 14:39	<a href="#">WG1880935</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	329		0.287	0.678	1	06/17/2022 11:54	<a href="#">WG1879164</a>
Ethane	2.15		0.296	1.29	1	06/17/2022 11:54	<a href="#">WG1879164</a>
Ethene	U		0.422	1.27	1	06/17/2022 11:54	<a href="#">WG1879164</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.75		0.548	1.00	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Benzene	0.0490		0.0160	0.0400	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 18:43	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 18:43	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 18:43	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 18:43	<a href="#">WG1880965</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 18:43	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 18:43	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 18:43	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 18:43	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
cis-1,2-Dichloroethene	0.100	U	0.0276	0.100	1	06/17/2022 18:43	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 18:43	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 18:43	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 18:43	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 18:43	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 18:43	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 18:43	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 18:43	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 18:43	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 18:43	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 18:43	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 18:43	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 18:43	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 18:43	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 18:43	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 18:43	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 18:43	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 18:43	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 18:43	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 18:43	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 18:43	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 18:43	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 18:43	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 18:43	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 18:43	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 18:43	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 18:43	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 18:43	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 18:43	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 18:43	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 18:43	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 18:43	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 18:43	WG1880965
Vinyl chloride	0.487		0.0273	0.100	1	06/17/2022 18:43	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 18:43	WG1880965
Ethyl Ether	0.159		0.0170	0.100	1	06/17/2022 18:43	WG1880965
Tetrahydrofuran	0.260	U U	0.0900	0.500	1	06/17/2022 18:43	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 18:43	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 18:43	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 18:43	WG1880965
(S) Toluene-d8	107			75.0-131		06/17/2022 18:43	WG1880965
(S) 4-Bromofluorobenzene	103			67.0-138		06/17/2022 18:43	WG1880965
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/17/2022 18:43	WG1880965

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	25600		594	5000	1	07/03/2022 20:48	<a href="#">WG1889346</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4070		102	1000	1	06/22/2022 07:32	<a href="#">WG1882813</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	7020		28.1	100	1	06/28/2022 19:29	<a href="#">WG1883990</a>
Manganese	2290		0.704	5.00	1	06/28/2022 19:29	<a href="#">WG1883990</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/17/2022 17:03	<a href="#">WG1880935</a>
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		06/17/2022 17:03	<a href="#">WG1880935</a>

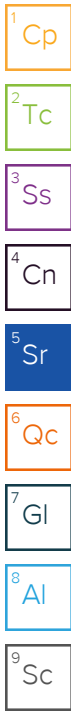
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	332		0.287	0.678	1	06/16/2022 16:49	<a href="#">WG1879170</a>
Ethane	1.80		0.296	1.29	1	06/16/2022 16:49	<a href="#">WG1879170</a>
Ethene	U		0.422	1.27	1	06/16/2022 16:49	<a href="#">WG1879170</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Benzene	0.0570		0.0160	0.0400	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:03	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:03	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:03	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:03	<a href="#">WG1880965</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:03	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:03	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 19:03	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:03	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
cis-1,2-Dichloroethene	0.0970	U	0.0276	0.100	1	06/17/2022 19:03	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:03	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:03	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:03	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:03	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:03	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:03	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:03	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 19:03	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:03	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:03	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:03	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:03	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:03	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:03	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:03	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:03	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 19:03	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:03	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 19:03	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:03	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:03	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:03	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 19:03	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:03	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:03	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:03	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 19:03	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:03	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:03	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:03	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:03	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:03	WG1880965
Vinyl chloride	0.520		0.0273	0.100	1	06/17/2022 19:03	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:03	WG1880965
Ethyl Ether	0.185		0.0170	0.100	1	06/17/2022 19:03	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:03	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 19:03	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:03	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:03	WG1880965
(S) Toluene-d8	106			75.0-131		06/17/2022 19:03	WG1880965
(S) 4-Bromofluorobenzene	100			67.0-138		06/17/2022 19:03	WG1880965
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/17/2022 19:03	WG1880965

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Benzene	0.0300	J	0.0160	0.0400	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	19.6		0.0276	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Di-isopropyl ether	0.0560		0.0140	0.0400	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Naphthalene	U		0.124	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Styrene	U		0.109	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Toluene	0.0670	U J	0.0500	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Iodomethane	U		0.242	0.500	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:22	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:22	<a href="#">WG1880965</a>
(S) Toluene-d8	102			75.0-131		06/17/2022 19:22	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 19:22	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	94.4			70.0-130		06/17/2022 19:22	<a href="#">WG1880965</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Benzene	2.67		0.0160	0.0400	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Bromoform	U		0.239	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Bromomethane	U		0.148	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Chloroform	U		0.0166	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1-Dichloroethane	0.0300	U	0.0230	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
cis-1,2-Dichloroethene	0.224		0.0276	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Di-isopropyl ether	0.0570		0.0140	0.0400	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Naphthalene	U		0.124	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Styrene	U		0.109	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Toluene	0.0910	U	0.0500	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Vinyl chloride	12.6		0.0273	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Iodomethane	U		0.242	0.500	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:42	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:42	<a href="#">WG1880965</a>
(S) Toluene-d8	105			75.0-131		06/17/2022 19:42	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 19:42	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	92.7			70.0-130		06/17/2022 19:42	<a href="#">WG1880965</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.86		0.548	1.00	1	06/17/2022 20:21	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 20:21	WG1880965
Benzene	0.260		0.0160	0.0400	1	06/17/2022 20:21	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 20:21	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 20:21	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 20:21	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 20:21	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 20:21	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 20:21	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 20:21	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 20:21	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 20:21	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 20:21	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 20:21	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 20:21	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 20:21	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 20:21	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 20:21	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 20:21	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 20:21	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 20:21	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 20:21	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 20:21	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 20:21	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 20:21	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 20:21	WG1880965
cis-1,2-Dichloroethene	10.4		0.0276	0.100	1	06/17/2022 20:21	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 20:21	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 20:21	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 20:21	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 20:21	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 20:21	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 20:21	WG1880965
Di-isopropyl ether	0.0610		0.0140	0.0400	1	06/17/2022 20:21	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 20:21	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 20:21	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 20:21	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 20:21	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 20:21	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 20:21	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 20:21	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 20:21	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 20:21	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 20:21	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 20:21	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 20:21	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 20:21	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 20:21	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 20:21	WG1880965
Toluene	0.0580	U	0.0500	0.200	1	06/17/2022 20:21	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 20:21	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 20:21	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 20:21	WG1880965

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 7/21/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 20:21	<a href="#">WG1880965</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 20:21	<a href="#">WG1880965</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 20:21	<a href="#">WG1880965</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 20:21	<a href="#">WG1880965</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Vinyl chloride	22.5		0.0273	0.100	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Xylenes, Total	U		0.191	0.260	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Ethyl Ether	0.0400	J	0.0170	0.100	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Iodomethane	U		0.242	0.500	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Allyl chloride	U		0.580	1.00	1	06/17/2022 20:21	<a href="#">WG1880965</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 20:21	<a href="#">WG1880965</a>
(S) Toluene-d8	107			75.0-131		06/17/2022 20:21	<a href="#">WG1880965</a>
(S) 4-Bromofluorobenzene	102			67.0-138		06/17/2022 20:21	<a href="#">WG1880965</a>
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		06/17/2022 20:21	<a href="#">WG1880965</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MEMORANDUM

**TO:** Project File **DATE:** September 12, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 43022.1413001.10.701.302

**TASK:** EIM Data Validation Level EPA2A for 3rd Quarter Monitoring 2022 – Groundwater Samples – Group 1

**LAB:** Pace Sample Delivery Groups (SDGs): L1520789, L1521388, and L1522618

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Forty-one (41) groundwater samples including two field duplicates, one equipment blank, and one trip blank were collected as part of the 3rd Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in August 1-5, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 1 analytical results are reported in three SDGs. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.



## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1521388: Sample MW-154-080222 was incorrectly recorded on the chain of custody (COC) as sample MW-134-080222. Field staff noted the discrepancy, confirmed sample details with field notes, and contacted Pace on August 10, 2022 to revise the sample identification.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

### **Holding Times**

#### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

#### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

#### *General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

All samples were analyzed within the USEPA recommended holding time for chloride (28 days), sulfate (28 days), nitrate (48 hours), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

## Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ).** Results reported below the RDL are estimated (J) and bias is not assigned.
- SDG L1522618 - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C4" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ).** Results reported below the RDL are estimated (J) and bias is not assigned.
- SDG L1522618 - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

## Method Blank Results

*USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1522618 – Analytical batch WG1911828: Tetrahydrofuran is detected in the method blank at a low level above the RDL. **Associated tetrahydrofuran detection in sample MW-165-080522 is qualified as not detected (U) due to method blank contamination.**

*NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1521388	WG1910049	9060A	TOC	249	J	1000	µg/L	NO
L1521388	WG1911494	9060A	TOC	377	J	1000	µg/L	NO
L1522618	WG1911590	9056A	TOC	211	J	1000	µg/L	NO
L1522618	WG1911817	9056A	TOC	415	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

**Trip Blank Results**

*USEPA Method 8260D:*

A trip blank was not collected.

**Field, Rinsate, or Equipment Blank Results**

One equipment blank (EQ-080322) was collected. Details are as follows:

SDG L1522618: The equipment blank (EQ-080322) is associated with one sample (MW-146-080322) collected from the bladder pump on August 3, 2022. Low levels of TOC, manganese, and methane are detected in the equipment blank. A low level of acetone is detected in the equipment blank. Actions are as follows:

- TOC was detected in the equipment blank above the RDL (1,000 µg/L) at 2,100 µg/L and in the associated method blank at 211 µg/L. Sample MW-146-080322 TOC result was detected above the RDL at 3620 µg/L. **Sample MW-146-080322 TOC result is estimated high (J+) due to TOC contamination in both the equipment and the method blanks.**
- Manganese and methane were detected in the equipment blank below the RDL. No action is needed since manganese and methane are detected above the RDL in sample MW-146-080322.
- Acetone, a common laboratory contaminant, was detected in the equipment blank at 6.64 µg/L and above the RDL (1.00 µg/L). No action is needed since acetone is not detected in the sample MW-146-080322.

## **Field Duplicate Analyses**

Field duplicate pair was submitted and analyzed. Field duplicate sample pair is as follows:

- SDG L1522618: Samples MW121-080422 and MW-973-080422

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair with the following exceptions:

- SDG L1522618: Acetone and tetrahydrofuran RPDs exceed criteria for field duplicate pair MW121-080422 and MW-973-080422. **Acetone and tetrahydrofuran results for the field duplicate pair are estimated and qualified (J).**

## **Laboratory Duplicate Analyses**

### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate results associated with SDG L1522618 for precision data.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

### *General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm$  1x RDL for groundwater results <5X the RDL.

## **Surrogate Recoveries**

### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control sample, and the blank are within the laboratory surrogate control limits.

## Laboratory Control Samples

### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1522618- Analytical batch WG1907686: LCS % recoveries for compounds 1,2-dichloropropane and vinyl chloride are recovered above criteria and laboratory qualified (J4). **All associated sample results (detections) for 1,2-dichloropropane are estimated and qualified (J+).** 1,2-Dichloropropane and vinyl chloride results are already qualified due to high CCV recovery. Bias is not assigned to detections between the MDL and RDL.
- SDG L1522618 - Analytical batch WG1911828: LCS/LCSD RPD for chloromethane is above laboratory criteria and laboratory qualified (J3). No action is taken for the elevated RPD since chloromethane recoveries are acceptable.

### *NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. For precision data refer to field duplicate results.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

### *USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

### *General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

## Matrix Spike/Matrix Spike Duplicates

### *USEPA Method 8260D:*

MS/MSD analyses were performed on a non-client sample within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1522618 and L1521388 – Analytical batch WG1907098: RPD and/or MSD recovery for acetone and tetrahydrofuran are outside of criteria due to matrix interference and laboratory qualified (J6, J3). No action is needed since the spike was performed on a non-client sample. Refer to LCS/LCSD results for precision and accuracy results.

*NWTPH-Gx Method:*

MS/MSD analyses was not performed. Refer to LCS and field duplicate results for QC information.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1521388: MS/MSDs for manganese were performed on a non-client sample. MS/MSD recoveries are below acceptance criteria and laboratory qualified (V). No action is needed since the spike was performed on a non-client sample. Refer to LCS and laboratory duplicate results for QC data.

*General Chemistry (Chloride, Nitrate, Sulfate, and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1520789: MS/MSDs for TOC were performed on sample MW-349-080122. TOC MS/MSD recoveries are below control limit criteria and laboratory qualified (J6). **TOC result for sample MW-349-080122 is estimated low and qualified (J-) due low matrix spike recoveries.**
- SDG L1522618: MS/MSDs for TOC, chloride and sulfate were performed on non-client samples within the analytical batches. MS/MSD recoveries are below acceptance criteria and laboratory qualified (V or J6). No action is needed since the spike was performed on a non-client sample. Refer to LCS and laboratory duplicate results for QC data.

**Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

- SDG L1522618: Sample narratives for samples MW-170-080522, MW-166-080522, MW-184-080422, and MW-181-080422 indicate that target compounds are too high to run a lower dilution.

### **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	50200		379	1000	1	08/02/2022 23:28	<a href="#">WG1904619</a>
Nitrate	86.6	J	48.0	100	1	08/02/2022 23:28	<a href="#">WG1904619</a>
Sulfate	U		594	5000	1	08/02/2022 23:28	<a href="#">WG1904619</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	129000		1020	10000	10	08/23/2022 04:40	<a href="#">WG1909551</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5270		0.287	0.678	1	08/03/2022 10:26	<a href="#">WG1904355</a>
Ethane	18.1		0.296	1.29	1	08/03/2022 10:26	<a href="#">WG1904355</a>
Ethene	136		0.422	1.27	1	08/03/2022 10:26	<a href="#">WG1904355</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	25.3		13.7	25.0	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Acrylonitrile	U		1.90	12.5	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Benzene	U		0.400	1.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Bromobenzene	U		1.05	12.5	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.788	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Bromoform	U	UJ	C3	5.98	25.0	08/08/2022 05:32	<a href="#">WG1907098</a>
Bromomethane	U	UJ	C3	3.70	12.5	08/08/2022 05:32	<a href="#">WG1907098</a>
n-Butylbenzene	U		3.83	12.5	25	08/08/2022 05:32	<a href="#">WG1907098</a>
sec-Butylbenzene	U		2.53	12.5	25	08/08/2022 05:32	<a href="#">WG1907098</a>
tert-Butylbenzene	U		1.55	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Carbon tetrachloride	U		1.08	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Chlorobenzene	U		0.573	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.450	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Chloroethane	U		1.08	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Chloroform	U		0.415	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Chloromethane	U	UJ	C3	1.39	12.5	08/08/2022 05:32	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.920	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
4-Chlorotoluene	U		1.13	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ	C3	5.10	25.0	08/08/2022 05:32	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.525	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Dibromomethane	U		1.00	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.818	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.575	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.475	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,1-Dichloroethene	4.65		0.500	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	2190		0.690	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	8.25		1.43	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		1.27	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,1-Dichloropropene	U		0.700	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
1,3-Dichloropropane	U		1.75	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/08/2022 05:32	<a href="#">WG1907098</a>
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/08/2022 05:32	<a href="#">WG1907098</a>

JC 9/12/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U		0.793	2.50	25	08/08/2022 05:32	WG1907098
Di-isopropyl ether	U		0.350	1.00	25	08/08/2022 05:32	WG1907098
Ethylbenzene	U		0.530	2.50	25	08/08/2022 05:32	WG1907098
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/08/2022 05:32	WG1907098
Isopropylbenzene	U		0.863	2.50	25	08/08/2022 05:32	WG1907098
p-Isopropyltoluene	U		2.33	5.00	25	08/08/2022 05:32	WG1907098
2-Butanone (MEK)	180		12.5	25.0	25	08/08/2022 05:32	WG1907098
Methylene Chloride	U		6.63	25.0	25	08/08/2022 05:32	WG1907098
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/08/2022 05:32	WG1907098
Methyl tert-butyl ether	U		0.295	1.00	25	08/08/2022 05:32	WG1907098
Naphthalene	U		3.10	12.5	25	08/08/2022 05:32	WG1907098
n-Propylbenzene	U		1.18	5.00	25	08/08/2022 05:32	WG1907098
Styrene	U		2.73	12.5	25	08/08/2022 05:32	WG1907098
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/08/2022 05:32	WG1907098
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/08/2022 05:32	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/08/2022 05:32	WG1907098
Tetrachloroethene	U		0.700	2.50	25	08/08/2022 05:32	WG1907098
Toluene	U		1.25	5.00	25	08/08/2022 05:32	WG1907098
1,2,3-Trichlorobenzene	U		0.625	12.5	25	08/08/2022 05:32	WG1907098
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/08/2022 05:32	WG1907098
1,1,1-Trichloroethane	U		0.275	2.50	25	08/08/2022 05:32	WG1907098
1,1,2-Trichloroethane	U		0.883	2.50	25	08/08/2022 05:32	WG1907098
Trichloroethene	2.08		0.400	1.00	25	08/08/2022 05:32	WG1907098
Trichlorofluoromethane	U		0.500	2.50	25	08/08/2022 05:32	WG1907098
1,2,3-Trichloropropane	U		5.10	12.5	25	08/08/2022 05:32	WG1907098
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/08/2022 05:32	WG1907098
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/08/2022 05:32	WG1907098
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/08/2022 05:32	WG1907098
Vinyl chloride	1330		0.682	2.50	25	08/08/2022 05:32	WG1907098
Xylenes, Total	U		4.78	6.50	25	08/08/2022 05:32	WG1907098
Ethyl Ether	U		0.425	2.50	25	08/08/2022 05:32	WG1907098
Tetrahydrofuran	33.0		2.25	12.5	25	08/08/2022 05:32	WG1907098
Iodomethane	U		6.05	12.5	25	08/08/2022 05:32	WG1907098
Allyl chloride	U		14.5	25.0	25	08/08/2022 05:32	WG1907098
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/08/2022 05:32	WG1907098
(S) Toluene-d8	101			75.0-131		08/08/2022 05:32	WG1907098
(S) 4-Bromofluorobenzene	101			67.0-138		08/08/2022 05:32	WG1907098
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/08/2022 05:32	WG1907098

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	39700		379	1000	1	08/02/2022 23:40	<a href="#">WG1904619</a>
Nitrate	116		48.0	100	1	08/02/2022 23:40	<a href="#">WG1904619</a>
Sulfate	56500		594	5000	1	08/02/2022 23:40	<a href="#">WG1904619</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1230		102	1000	1	08/23/2022 04:59	<a href="#">WG1909551</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	306		0.287	0.678	1	08/03/2022 10:34	<a href="#">WG1904355</a>
Ethane	1.06	J	0.296	1.29	1	08/03/2022 10:34	<a href="#">WG1904355</a>
Ethene	23.2		0.422	1.27	1	08/03/2022 10:34	<a href="#">WG1904355</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	16.4		5.48	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Acrylonitrile	U		0.760	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Benzene	U		0.160	0.400	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Bromobenzene	U		0.420	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.315	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Bromoform	U	UJ	2.39	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Bromomethane	U	UJ	1.48	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
n-Butylbenzene	U		1.53	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
sec-Butylbenzene	U		1.01	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.620	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.432	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Chlorobenzene	U		0.229	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.180	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Chloroethane	U		0.432	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Chloroform	U		0.166	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Chloromethane	U	UJ	0.556	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.368	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.452	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ	2.04	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Dibromomethane	U		0.400	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.327	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.190	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1-Dichloroethene	1.44		0.200	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	167		0.276	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	1.15	J	0.572	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.508	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1-Dichloropropene	U		0.280	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,3-Dichloropropane	U		0.700	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>

JC 9/12/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.317	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Di-isopropyl ether	U		0.140	0.400	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Ethylbenzene	U		0.212	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Isopropylbenzene	U		0.345	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
p-Isopropyltoluene	U		0.932	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
2-Butanone (MEK)	40.4		5.00	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Methylene Chloride	U		2.65	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Methyl tert-butyl ether	U		0.118	0.400	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Naphthalene	U		1.24	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
n-Propylbenzene	U		0.472	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Styrene	U		1.09	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Tetrachloroethene	U		0.280	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Toluene	1.51	U	0.500	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,1,2-Trichloroethane	U		0.353	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Trichloroethene	2.38		0.160	0.400	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Trichlorofluoromethane	U		0.200	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Vinyl chloride	123		0.273	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Xylenes, Total	U		1.91	2.60	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Ethyl Ether	U		0.170	1.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Tetrahydrofuran	32.5		0.900	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Iodomethane	U		2.42	5.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Allyl chloride	U		5.80	10.0	10	08/08/2022 05:52	<a href="#">WG1907098</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/08/2022 05:52	<a href="#">WG1907098</a>
(S) Toluene-d8	100			75.0-131		08/08/2022 05:52	<a href="#">WG1907098</a>
(S) 4-Bromofluorobenzene	98.7			67.0-138		08/08/2022 05:52	<a href="#">WG1907098</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 05:52	<a href="#">WG1907098</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	56300		379	1000	1	08/03/2022 00:18	<a href="#">WG1904619</a>
Nitrate	U		48.0	100	1	08/03/2022 00:18	<a href="#">WG1904619</a>
Sulfate	U		594	5000	1	08/03/2022 00:18	<a href="#">WG1904619</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
TOC (Total Organic Carbon)	25400	J-	<a href="#">J6</a>	102	1000	1	08/23/2022 05:24	<a href="#">WG1909551</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13500		2.87	6.78	10	08/03/2022 14:15	<a href="#">WG1904978</a>
Ethane	4.02		0.296	1.29	1	08/03/2022 10:41	<a href="#">WG1904355</a>
Ethene	12.9		0.422	1.27	1	08/03/2022 10:41	<a href="#">WG1904355</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	37.7		0.548	1.00	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Benzene	0.0380		<a href="#">J</a>	0.0160	0.0400	1	08/08/2022 01:20	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Bromoform	U	UJ	<a href="#">C3</a>	0.239	1.00	1	08/08/2022 01:20	<a href="#">WG1907098</a>
Bromomethane	U	UJ	<a href="#">C3</a>	0.148	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Chloroethane	U		0.0432	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Chloroform	U		0.0166	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Chloromethane	U	UJ	<a href="#">C3</a>	0.0556	0.500	1	08/08/2022 01:20	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,2-Dibromo-3-Chloropropane	U	UJ	<a href="#">C3</a>	0.204	1.00	1	08/08/2022 01:20	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Dibromomethane	U		0.0400	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
cis-1,2-Dichloroethene	12.8		0.0276	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 01:20	<a href="#">WG1907098</a>	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 01:20	<a href="#">WG1907098</a>	

JC 9/12/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 01:20	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 01:20	WG1907098
Ethylbenzene	0.151		0.0212	0.100	1	08/08/2022 01:20	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 01:20	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 01:20	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 01:20	WG1907098
2-Butanone (MEK)	211		0.500	1.00	1	08/08/2022 01:20	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 01:20	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 01:20	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 01:20	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 01:20	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 01:20	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 01:20	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 01:20	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 01:20	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 01:20	WG1907098
Tetrachloroethene	0.126		0.0280	0.100	1	08/08/2022 01:20	WG1907098
Toluene	1.27		0.0500	0.200	1	08/08/2022 01:20	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 01:20	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 01:20	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 01:20	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 01:20	WG1907098
Trichloroethene	0.203		0.0160	0.0400	1	08/08/2022 01:20	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 01:20	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 01:20	WG1907098
1,2,4-Trimethylbenzene	0.120	U	0.0464	0.200	1	08/08/2022 01:20	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 01:20	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 01:20	WG1907098
Vinyl chloride	23.2		0.0273	0.100	1	08/08/2022 01:20	WG1907098
Xylenes, Total	0.817		0.191	0.260	1	08/08/2022 01:20	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 01:20	WG1907098
Tetrahydrofuran	77.5		0.0900	0.500	1	08/08/2022 01:20	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 01:20	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 01:20	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 01:20	WG1907098
(S) Toluene-d8	103			75.0-131		08/08/2022 01:20	WG1907098
(S) 4-Bromofluorobenzene	99.4			67.0-138		08/08/2022 01:20	WG1907098
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		08/08/2022 01:20	WG1907098

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	34100		379	1000	1	08/03/2022 21:30	<a href="#">WG1905248</a>
Nitrate	U		48.0	100	1	08/03/2022 21:30	<a href="#">WG1905248</a>
Sulfate	83600		594	5000	1	08/03/2022 21:30	<a href="#">WG1905248</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1610	<del>B</del>	102	1000	1	08/19/2022 06:29	<a href="#">WG1911494</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	116		0.287	0.678	1	08/10/2022 10:34	<a href="#">WG1908140</a>
Ethane	0.563	J	0.296	1.29	1	08/10/2022 10:34	<a href="#">WG1908140</a>
Ethene	2.34		0.422	1.27	1	08/10/2022 10:34	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.30		0.548	1.00	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Benzene	0.0940		0.0160	0.0400	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Chloroform	U		0.0166	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/08/2022 02:57	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	3.42		0.0276	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 02:57	<a href="#">WG1907098</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 02:57	<a href="#">WG1907098</a>

JC 9/12/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 02:57	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 02:57	WG1907098
Ethylbenzene	0.168		0.0212	0.100	1	08/08/2022 02:57	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 02:57	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 02:57	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 02:57	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 02:57	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 02:57	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 02:57	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 02:57	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 02:57	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 02:57	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 02:57	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 02:57	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 02:57	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 02:57	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 02:57	WG1907098
Toluene	2.17		0.0500	0.200	1	08/08/2022 02:57	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 02:57	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 02:57	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 02:57	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 02:57	WG1907098
Trichloroethene	0.498		0.0160	0.0400	1	08/08/2022 02:57	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 02:57	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 02:57	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 02:57	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 02:57	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 02:57	WG1907098
Vinyl chloride	2.47		0.0273	0.100	1	08/08/2022 02:57	WG1907098
Xylenes, Total	0.825		0.191	0.260	1	08/08/2022 02:57	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 02:57	WG1907098
Tetrahydrofuran	15.7		0.0900	0.500	1	08/08/2022 02:57	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 02:57	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 02:57	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 02:57	WG1907098
(S) Toluene-d8	100			75.0-131		08/08/2022 02:57	WG1907098
(S) 4-Bromofluorobenzene	96.5			67.0-138		08/08/2022 02:57	WG1907098
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/08/2022 02:57	WG1907098

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9670		594	5000	1	08/04/2022 02:13	<a href="#">WG1905248</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5730		102	1000	1	08/23/2022 19:44	<a href="#">WG1910049</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4450		140	500	5	08/10/2022 10:16	<a href="#">WG1905938</a>
Manganese	707		3.52	25.0	5	08/10/2022 10:16	<a href="#">WG1905938</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	87.0		0.287	0.678	1	08/10/2022 10:38	<a href="#">WG1908140</a>
Ethane	U		0.296	1.29	1	08/10/2022 10:38	<a href="#">WG1908140</a>
Ethene	0.652	J	0.422	1.27	1	08/10/2022 10:38	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.61		0.548	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Benzene	0.0440		0.0160	0.0400	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Chloroform	U		0.0166	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>





Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Ethylbenzene	0.144		0.0212	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Naphthalene	U		0.124	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Styrene	U		0.109	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Toluene	1.36		0.0500	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Vinyl chloride	U		0.0273	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Xylenes, Total	0.735		0.191	0.260	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Iodomethane	U		0.242	0.500	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:16	<a href="#">WG1907098</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:16	<a href="#">WG1907098</a>
(S) Toluene-d8	101			75.0-131		08/08/2022 03:16	<a href="#">WG1907098</a>
(S) 4-Bromofluorobenzene	98.9			67.0-138		08/08/2022 03:16	<a href="#">WG1907098</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 03:16	<a href="#">WG1907098</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	33700		379	1000	1	08/03/2022 21:44	<a href="#">WG1905248</a>
Nitrate	108		48.0	100	1	08/03/2022 21:44	<a href="#">WG1905248</a>
Sulfate	5450		594	5000	1	08/03/2022 21:44	<a href="#">WG1905248</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	21200		102	1000	1	08/23/2022 20:35	<a href="#">WG1910049</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2320		0.287	0.678	1	08/05/2022 11:41	<a href="#">WG1905430</a>
Ethane	2.38		0.296	1.29	1	08/05/2022 11:41	<a href="#">WG1905430</a>
Ethene	12.1		0.422	1.27	1	08/05/2022 11:41	<a href="#">WG1905430</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	31.7		0.548	1.00	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Acrylonitrile	U		0.0760	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Benzene	0.0290	J	0.0160	0.0400	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Bromobenzene	U		0.0420	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Bromodichloromethane	U		0.0315	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Bromoform	U		0.239	1.00	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Bromomethane	U		0.148	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
n-Butylbenzene	U		0.153	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
sec-Butylbenzene	U		0.101	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Chlorobenzene	U		0.0229	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Chloroethane	U		0.0432	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Chloroform	U		0.0166	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Chloromethane	U		0.0556	0.500	1	08/10/2022 00:48	<a href="#">WG1908196</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Dibromomethane	U		0.0400	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,1-Dichloroethene	0.105		0.0200	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
cis-1,2-Dichloroethene	30.6		0.0276	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
trans-1,2-Dichloroethene	0.219		0.0572	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/10/2022 00:48	<a href="#">WG1908196</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/10/2022 00:48	<a href="#">WG1908196</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	08/10/2022 00:48	WG1908196
Di-isopropyl ether	U		0.0140	0.0400	1	08/10/2022 00:48	WG1908196
Ethylbenzene	0.0770	U	0.0212	0.100	1	08/10/2022 00:48	WG1908196
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/10/2022 00:48	WG1908196
Isopropylbenzene	U		0.0345	0.100	1	08/10/2022 00:48	WG1908196
p-Isopropyltoluene	U		0.0932	0.200	1	08/10/2022 00:48	WG1908196
2-Butanone (MEK)	121		0.500	1.00	1	08/10/2022 00:48	WG1908196
Methylene Chloride	U		0.265	1.00	1	08/10/2022 00:48	WG1908196
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/10/2022 00:48	WG1908196
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/10/2022 00:48	WG1908196
Naphthalene	U		0.124	0.500	1	08/10/2022 00:48	WG1908196
n-Propylbenzene	U		0.0472	0.200	1	08/10/2022 00:48	WG1908196
Styrene	U		0.109	0.500	1	08/10/2022 00:48	WG1908196
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/10/2022 00:48	WG1908196
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/10/2022 00:48	WG1908196
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/10/2022 00:48	WG1908196
Tetrachloroethene	U		0.0280	0.100	1	08/10/2022 00:48	WG1908196
Toluene	0.497		0.0500	0.200	1	08/10/2022 00:48	WG1908196
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/10/2022 00:48	WG1908196
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/10/2022 00:48	WG1908196
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/10/2022 00:48	WG1908196
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/10/2022 00:48	WG1908196
Trichloroethene	U		0.0160	0.0400	1	08/10/2022 00:48	WG1908196
Trichlorofluoromethane	U		0.0200	0.100	1	08/10/2022 00:48	WG1908196
1,2,3-Trichloropropane	U		0.204	0.500	1	08/10/2022 00:48	WG1908196
1,2,4-Trimethylbenzene	0.148	U	0.0464	0.200	1	08/10/2022 00:48	WG1908196
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/10/2022 00:48	WG1908196
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/10/2022 00:48	WG1908196
Vinyl chloride	58.3		0.0273	0.100	1	08/10/2022 00:48	WG1908196
Xylenes, Total	0.636		0.191	0.260	1	08/10/2022 00:48	WG1908196
Ethyl Ether	U		0.0170	0.100	1	08/10/2022 00:48	WG1908196
Tetrahydrofuran	127		0.900	5.00	10	08/08/2022 06:11	WG1907098
Iodomethane	U		0.242	0.500	1	08/10/2022 00:48	WG1908196
Allyl chloride	U		0.580	1.00	1	08/10/2022 00:48	WG1908196
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/10/2022 00:48	WG1908196
(S) Toluene-d8	101			75.0-131		08/08/2022 06:11	WG1907098
(S) Toluene-d8	111			75.0-131		08/10/2022 00:48	WG1908196
(S) 4-Bromofluorobenzene	101			67.0-138		08/08/2022 06:11	WG1907098
(S) 4-Bromofluorobenzene	102			67.0-138		08/10/2022 00:48	WG1908196
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 06:11	WG1907098
(S) 1,2-Dichloroethane-d4	88.3			70.0-130		08/10/2022 00:48	WG1908196

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	56600		594	5000	1	08/04/2022 03:27	<a href="#">WG1905248</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1430	<del>B</del>	102	1000	1	08/23/2022 20:51	<a href="#">WG1910049</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	336		28.1	100	1	08/09/2022 15:57	<a href="#">WG1905938</a>
Manganese	31.9		0.704	5.00	1	08/09/2022 15:57	<a href="#">WG1905938</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	08/10/2022 10:42	<a href="#">WG1908140</a>
Ethane	U		0.296	1.29	1	08/10/2022 10:42	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 10:42	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	5.79		0.548	1.00	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Benzene	U		0.0160	0.0400	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Chloroform	0.0720	J	0.0166	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/08/2022 03:36	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	0.318		0.0276	0.100	1	08/08/2022 03:36	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:36	<a href="#">WG1907098</a>

JC 9/12/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

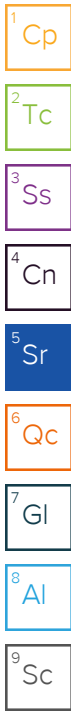
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 03:36	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:36	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:36	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:36	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:36	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:36	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 03:36	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:36	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:36	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:36	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:36	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:36	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:36	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:36	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 03:36	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:36	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 03:36	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:36	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:36	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:36	WG1907098
Tetrachloroethene	29.7		0.0280	0.100	1	08/08/2022 03:36	WG1907098
Toluene	0.265		0.0500	0.200	1	08/08/2022 03:36	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:36	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:36	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:36	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:36	WG1907098
Trichloroethene	2.08		0.0160	0.0400	1	08/08/2022 03:36	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:36	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:36	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:36	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:36	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:36	WG1907098
Vinyl chloride	U		0.0273	0.100	1	08/08/2022 03:36	WG1907098
Xylenes, Total	0.255	U	0.191	0.260	1	08/08/2022 03:36	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:36	WG1907098
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2022 03:36	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 03:36	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:36	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:36	WG1907098
(S) Toluene-d8	101			75.0-131		08/08/2022 03:36	WG1907098
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/08/2022 03:36	WG1907098
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 03:36	WG1907098

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	7620		594	5000	1	08/04/2022 03:42	<a href="#">WG1905248</a>



Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1090	<u>B</u>	102	1000	1	08/23/2022 21:07	<a href="#">WG1910049</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11400		281	1000	10	08/10/2022 10:19	<a href="#">WG1905938</a>
Manganese	836		7.04	50.0	10	08/10/2022 10:19	<a href="#">WG1905938</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	65.6		0.287	0.678	1	08/10/2022 10:46	<a href="#">WG1908140</a>
Ethane	0.639	<u>J</u>	0.296	1.29	1	08/10/2022 10:46	<a href="#">WG1908140</a>
Ethene	2.46		0.422	1.27	1	08/10/2022 10:46	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.50		0.548	1.00	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Benzene	0.0300	<u>J</u>	0.0160	0.0400	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Bromoform	U	<u>UJ</u>	<u>C3</u>	0.239	1.00	1	08/08/2022 03:55	<a href="#">WG1907098</a>
Bromomethane	U	<u>UJ</u>	<u>C3</u>	0.148	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Chloroform	U		0.0166	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Chloromethane	U	<u>UJ</u>	<u>C3</u>	0.0556	0.500	1	08/08/2022 03:55	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,2-Dibromo-3-Chloropropane	U	<u>UJ</u>	<u>C3</u>	0.204	1.00	1	08/08/2022 03:55	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
cis-1,2-Dichloroethene	0.122		0.0276	0.100	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:55	<a href="#">WG1907098</a>	

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 03:55	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:55	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:55	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:55	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:55	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:55	WG1907098
Ethylbenzene	0.120		0.0212	0.100	1	08/08/2022 03:55	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:55	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:55	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:55	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:55	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:55	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:55	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:55	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 03:55	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:55	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 03:55	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:55	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:55	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:55	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 03:55	WG1907098
Toluene	1.13		0.0500	0.200	1	08/08/2022 03:55	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:55	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:55	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:55	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:55	WG1907098
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 03:55	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:55	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:55	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:55	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:55	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:55	WG1907098
Vinyl chloride	0.501		0.0273	0.100	1	08/08/2022 03:55	WG1907098
Xylenes, Total	0.532		0.191	0.260	1	08/08/2022 03:55	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:55	WG1907098
Tetrahydrofuran	0.299	U	0.0900	0.500	1	08/08/2022 03:55	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 03:55	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:55	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:55	WG1907098
(S) Toluene-d8	102			75.0-131		08/08/2022 03:55	WG1907098
(S) 4-Bromofluorobenzene	99.3			67.0-138		08/08/2022 03:55	WG1907098
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 03:55	WG1907098

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	60600		2970	25000	5	08/06/2022 22:38	<a href="#">WG1906732</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10200		102	1000	1	08/16/2022 23:43	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	27900		28.1	100	1	08/16/2022 14:15	<a href="#">WG1908975</a>
Manganese	9070		0.704	5.00	1	08/16/2022 14:15	<a href="#">WG1908975</a>

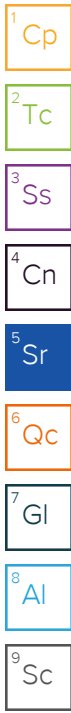
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10200		2.87	6.78	10	08/11/2022 14:14	<a href="#">WG1909307</a>
Ethane	5.54		0.296	1.29	1	08/11/2022 10:54	<a href="#">WG1908100</a>
Ethene	U		0.422	1.27	1	08/11/2022 10:54	<a href="#">WG1908100</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.96		0.548	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Benzene	0.0680		0.0160	0.0400	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Bromoform	U	UJ	0.239	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Bromomethane	U	UJ	0.148	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Chloroform	U		0.0166	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Chloromethane	U	UJ	0.0556	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1-Dichloroethene	0.0580	J	0.0200	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	7.61		0.0276	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	0.101	J	0.0572	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Naphthalene	U		0.124	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Styrene	U		0.109	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Toluene	U		0.0500	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Trichloroethene	0.297		0.0160	0.0400	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Vinyl chloride	1.21		0.0273	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Tetrahydrofuran	0.696		0.0900	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Iodomethane	U		0.242	0.500	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:15	<a href="#">WG1907098</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:15	<a href="#">WG1907098</a>
(S) Toluene-d8	102			75.0-131		08/08/2022 04:15	<a href="#">WG1907098</a>
(S) 4-Bromofluorobenzene	99.9			67.0-138		08/08/2022 04:15	<a href="#">WG1907098</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 04:15	<a href="#">WG1907098</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	08/09/2022 20:15	<a href="#">WG1908229</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9530		102	1000	1	08/17/2022 00:02	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9830		28.1	100	1	08/16/2022 14:18	<a href="#">WG1908975</a>
Manganese	1490		0.704	5.00	1	08/16/2022 14:18	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12900		2.87	6.78	10	08/11/2022 14:20	<a href="#">WG1909307</a>
Ethane	111		0.296	1.29	1	08/11/2022 10:59	<a href="#">WG1908100</a>
Ethene	U		0.422	1.27	1	08/11/2022 10:59	<a href="#">WG1908100</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.89		0.548	1.00	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Benzene	0.0900		0.0160	0.0400	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Chloroethane	0.280		0.0432	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Chloroform	0.0750	J	0.0166	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/08/2022 04:34	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	7.05		0.0276	0.100	1	08/08/2022 04:34	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	3.78		0.0572	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:34	<a href="#">WG1907098</a>

JC 9/12/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 04:34	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:34	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:34	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:34	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:34	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:34	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:34	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:34	WG1907098
Isopropylbenzene	0.0600	U	0.0345	0.100	1	08/08/2022 04:34	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:34	WG1907098
2-Butanone (MEK)	2.67		0.500	1.00	1	08/08/2022 04:34	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:34	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:34	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:34	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 04:34	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:34	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 04:34	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:34	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:34	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:34	WG1907098
Tetrachloroethene	0.833		0.0280	0.100	1	08/08/2022 04:34	WG1907098
Toluene	0.279		0.0500	0.200	1	08/08/2022 04:34	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:34	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:34	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:34	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:34	WG1907098
Trichloroethene	0.799		0.0160	0.0400	1	08/08/2022 04:34	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:34	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:34	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:34	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:34	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:34	WG1907098
Vinyl chloride	2.34		0.0273	0.100	1	08/08/2022 04:34	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:34	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 04:34	WG1907098
Tetrahydrofuran	33.4		0.0900	0.500	1	08/08/2022 04:34	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 04:34	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:34	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:34	WG1907098
(S) Toluene-d8	99.8			75.0-131		08/08/2022 04:34	WG1907098
(S) 4-Bromofluorobenzene	97.5			67.0-138		08/08/2022 04:34	WG1907098
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/08/2022 04:34	WG1907098

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	11100		594	5000	1	08/09/2022 20:51	<a href="#">WG1908229</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11000		102	1000	1	08/17/2022 00:21	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

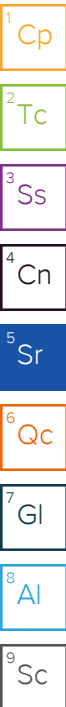
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7720		28.1	100	1	08/16/2022 14:21	<a href="#">WG1908975</a>
Manganese	3790		0.704	5.00	1	08/16/2022 14:21	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10600		2.87	6.78	10	08/11/2022 14:25	<a href="#">WG1909307</a>
Ethane	17.6		0.296	1.29	1	08/10/2022 10:52	<a href="#">WG1908140</a>
Ethene	1.81		0.422	1.27	1	08/10/2022 10:52	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.30		0.548	1.00	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Benzene	0.254		0.0160	0.0400	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Chloroform	U		0.0166	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/08/2022 04:54	<a href="#">WG1907098</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
cis-1,2-Dichloroethene	2.18		0.0276	0.100	1	08/08/2022 04:54	<a href="#">WG1907098</a>
trans-1,2-Dichloroethene	0.105	J	0.0572	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:54	<a href="#">WG1907098</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 04:54	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:54	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:54	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:54	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:54	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:54	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:54	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:54	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 04:54	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:54	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 04:54	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:54	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:54	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:54	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 04:54	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:54	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 04:54	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:54	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:54	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:54	WG1907098
Tetrachloroethene	0.222		0.0280	0.100	1	08/08/2022 04:54	WG1907098
Toluene	U		0.0500	0.200	1	08/08/2022 04:54	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:54	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:54	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:54	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:54	WG1907098
Trichloroethene	0.117		0.0160	0.0400	1	08/08/2022 04:54	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:54	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:54	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:54	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:54	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:54	WG1907098
Vinyl chloride	6.77		0.0273	0.100	1	08/08/2022 04:54	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:54	WG1907098
Ethyl Ether	0.109		0.0170	0.100	1	08/08/2022 04:54	WG1907098
Tetrahydrofuran	1.07		0.0900	0.500	1	08/08/2022 04:54	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 04:54	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:54	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:54	WG1907098
(S) Toluene-d8	100			75.0-131		08/08/2022 04:54	WG1907098
(S) 4-Bromofluorobenzene	100			67.0-138		08/08/2022 04:54	WG1907098
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/08/2022 04:54	WG1907098

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	207000		2970	25000	5	08/08/2022 04:29	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7150		102	1000	1	08/30/2022 23:51	<a href="#">WG1911817</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2170		28.1	100	1	08/16/2022 14:40	<a href="#">WG1908975</a>
Manganese	7360		0.704	5.00	1	08/16/2022 14:40	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	37.7	J	31.6	100	1	08/10/2022 16:02	<a href="#">WG1908785</a>
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		08/10/2022 16:02	<a href="#">WG1908785</a>

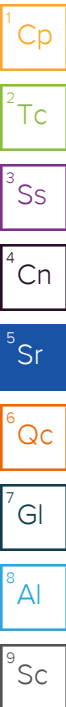
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	380		0.287	0.678	1	08/10/2022 11:02	<a href="#">WG1908140</a>
Ethane	1.83		0.296	1.29	1	08/10/2022 11:02	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 11:02	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	11.1	J	0.548	1.00	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Benzene	U		0.0160	0.0400	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/08/2022 23:58	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2022 23:58	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 23:58	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 23:58	<a href="#">WG1907686</a>

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 23:58	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 23:58	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 23:58	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 23:58	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
cis-1,2-Dichloroethene	0.0450	J	0.0276	0.100	1	08/08/2022 23:58	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 23:58	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/08/2022 23:58	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 23:58	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 23:58	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 23:58	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 23:58	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 23:58	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 23:58	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 23:58	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 23:58	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 23:58	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 23:58	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 23:58	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/08/2022 23:58	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 23:58	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 23:58	WG1907686
Naphthalene	U		0.124	0.500	1	08/08/2022 23:58	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 23:58	WG1907686
Styrene	U		0.109	0.500	1	08/08/2022 23:58	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 23:58	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 23:58	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 23:58	WG1907686
Toluene	U		0.0500	0.200	1	08/08/2022 23:58	WG1907686
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/08/2022 23:58	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 23:58	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 23:58	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 23:58	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 23:58	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 23:58	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 23:58	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 23:58	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 23:58	WG1907686
Vinyl chloride	2.05	J+ C5 J4	0.0273	0.100	1	08/08/2022 23:58	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/08/2022 23:58	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 23:58	WG1907686
Tetrahydrofuran	1.92	J	0.0900	0.500	1	08/08/2022 23:58	WG1907686
Iodomethane	U		0.242	0.500	1	08/08/2022 23:58	WG1907686
Allyl chloride	U		0.580	1.00	1	08/08/2022 23:58	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 23:58	WG1907686
(S) Toluene-d8	102			75.0-131		08/08/2022 23:58	WG1907686
(S) 4-Bromofluorobenzene	109			67.0-138		08/08/2022 23:58	WG1907686
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/08/2022 23:58	WG1907686

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	51800		594	5000	1	08/07/2022 19:50	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8770		102	1000	1	08/31/2022 00:09	<a href="#">WG1911817</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3450		28.1	100	1	08/16/2022 14:44	<a href="#">WG1908975</a>
Manganese	3790		0.704	5.00	1	08/16/2022 14:44	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14700		2.87	6.78	10	08/11/2022 14:28	<a href="#">WG1909307</a>
Ethane	56.4		0.296	1.29	1	08/10/2022 11:08	<a href="#">WG1908140</a>
Ethene	1.83		0.422	1.27	1	08/10/2022 11:08	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.0	20.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Acrylonitrile	U		1.52	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Benzene	0.480	J	0.320	0.800	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Bromobenzene	U		0.840	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.630	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Bromoform	U		4.78	20.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Bromomethane	U		2.96	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
n-Butylbenzene	U		3.06	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
sec-Butylbenzene	U		2.02	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
tert-Butylbenzene	U		1.24	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.864	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Chlorobenzene	U		0.458	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.360	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Chloroethane	U		0.864	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Chloroform	U		0.332	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Chloromethane	U		1.11	10.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.736	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.904	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.420	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Dibromomethane	U		0.800	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		1.16	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		1.36	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		1.58	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.654	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.460	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.380	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,1-Dichloroethene	3.68	J+ C5	0.400	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	573		0.552	2.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	4.72		1.14	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	<del>J4</del>	1.02	4.00	20	08/09/2022 03:48	<a href="#">WG1907686</a>

JC 9/12/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.560	2.00	20	08/09/2022 03:48	WG1907686	
1,3-Dichloropropane	U		1.40	4.00	20	08/09/2022 03:48	WG1907686	
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/09/2022 03:48	WG1907686	
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/09/2022 03:48	WG1907686	
2,2-Dichloropropane	U		0.634	2.00	20	08/09/2022 03:48	WG1907686	
Di-isopropyl ether	U		0.280	0.800	20	08/09/2022 03:48	WG1907686	
Ethylbenzene	U		0.424	2.00	20	08/09/2022 03:48	WG1907686	
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/09/2022 03:48	WG1907686	
Isopropylbenzene	U		0.690	2.00	20	08/09/2022 03:48	WG1907686	
p-Isopropyltoluene	U		1.86	4.00	20	08/09/2022 03:48	WG1907686	
2-Butanone (MEK)	U		10.0	20.0	20	08/09/2022 03:48	WG1907686	
Methylene Chloride	U		5.30	20.0	20	08/09/2022 03:48	WG1907686	
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/09/2022 03:48	WG1907686	
Methyl tert-butyl ether	U		0.236	0.800	20	08/09/2022 03:48	WG1907686	
Naphthalene	U		2.48	10.0	20	08/09/2022 03:48	WG1907686	
n-Propylbenzene	U		0.944	4.00	20	08/09/2022 03:48	WG1907686	
Styrene	U		2.18	10.0	20	08/09/2022 03:48	WG1907686	
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/09/2022 03:48	WG1907686	
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/09/2022 03:48	WG1907686	
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/09/2022 03:48	WG1907686	
Tetrachloroethene	774		0.560	2.00	20	08/09/2022 03:48	WG1907686	
Toluene	U		1.00	4.00	20	08/09/2022 03:48	WG1907686	
1,2,3-Trichlorobenzene	U	UJ	C4	0.500	10.0	20	08/09/2022 03:48	WG1907686
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/09/2022 03:48	WG1907686	
1,1,1-Trichloroethane	U		0.220	2.00	20	08/09/2022 03:48	WG1907686	
1,1,2-Trichloroethane	U		0.706	2.00	20	08/09/2022 03:48	WG1907686	
Trichloroethene	327	J+	C5	0.320	0.800	20	08/09/2022 03:48	WG1907686
Trichlorofluoromethane	U		0.400	2.00	20	08/09/2022 03:48	WG1907686	
1,2,3-Trichloropropane	U		4.08	10.0	20	08/09/2022 03:48	WG1907686	
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/09/2022 03:48	WG1907686	
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/09/2022 03:48	WG1907686	
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/09/2022 03:48	WG1907686	
Vinyl chloride	U		J4	0.546	2.00	20	08/09/2022 03:48	WG1907686
Xylenes, Total	U		3.82	5.20	20	08/09/2022 03:48	WG1907686	
Ethyl Ether	U		0.340	2.00	20	08/09/2022 03:48	WG1907686	
Tetrahydrofuran	U		1.80	10.0	20	08/09/2022 03:48	WG1907686	
Iodomethane	U		4.84	10.0	20	08/09/2022 03:48	WG1907686	
Allyl chloride	U		11.6	20.0	20	08/09/2022 03:48	WG1907686	
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/09/2022 03:48	WG1907686	
(S) Toluene-d8	99.7			75.0-131		08/09/2022 03:48	WG1907686	
(S) 4-Bromofluorobenzene	101			67.0-138		08/09/2022 03:48	WG1907686	
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		08/09/2022 03:48	WG1907686	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	90700		594	5000	1	08/07/2022 21:02	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1660	<del>B</del>	102	1000	1	08/31/2022 00:44	<a href="#">WG1911817</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2010		28.1	100	1	08/16/2022 13:58	<a href="#">WG1908975</a>
Manganese	397		0.704	5.00	1	08/16/2022 13:58	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	111		0.287	0.678	1	08/10/2022 11:15	<a href="#">WG1908140</a>
Ethane	1.06	J	0.296	1.29	1	08/10/2022 11:15	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 11:15	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Benzene	0.0250	J	0.0160	0.0400	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Chloroform	0.110		0.0166	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:17	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,1-Dichloroethane	2.02		0.0230	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,2-Dichloroethane	0.277		0.0190	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,1-Dichloroethene	0.424	J+ C5	0.0200	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	27.1		0.0276	0.100	1	08/09/2022 00:17	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	0.165	J	0.0572	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>
1,2-Dichloropropane	0.758	J+ C5 J4	0.0508	0.200	1	08/09/2022 00:17	<a href="#">WG1907686</a>

JC 9/12/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:17	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:17	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:17	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:17	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:17	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 00:17	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 00:17	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:17	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:17	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:17	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:17	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:17	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:17	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:17	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 00:17	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:17	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 00:17	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:17	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:17	WG1907686
1,1,2-Trichlorotrifluoroethane	0.348		0.0270	0.100	1	08/09/2022 00:17	WG1907686
Tetrachloroethene	58.5		0.0280	0.100	1	08/09/2022 00:17	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 00:17	WG1907686
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 00:17	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:17	WG1907686
1,1,1-Trichloroethane	0.180		0.0110	0.100	1	08/09/2022 00:17	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:17	WG1907686
Trichloroethene	17.6	J+ C5	0.0160	0.0400	1	08/09/2022 00:17	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:17	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:17	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 00:17	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:17	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:17	WG1907686
Vinyl chloride	0.742	J+ C5 J4	0.0273	0.100	1	08/09/2022 00:17	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 00:17	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:17	WG1907686
Tetrahydrofuran	0.739		0.0900	0.500	1	08/09/2022 00:17	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 00:17	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:17	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:17	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 00:17	WG1907686
(S) 4-Bromofluorobenzene	108			67.0-138		08/09/2022 00:17	WG1907686
(S) 1,2-Dichloroethane-d4	98.5			70.0-130		08/09/2022 00:17	WG1907686

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	195000		594	5000	1	08/07/2022 21:20	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7640		102	1000	1	08/31/2022 01:18	<a href="#">WG1911817</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2900		28.1	100	1	08/16/2022 14:47	<a href="#">WG1908975</a>
Manganese	7820		0.704	5.00	1	08/16/2022 14:47	<a href="#">WG1908975</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

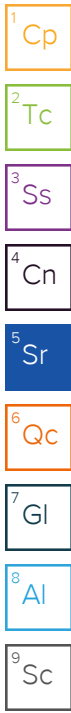
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/10/2022 16:24	<a href="#">WG1908785</a>
(S) a,a,a-Trifluorotoluene(FID)	98.6			78.0-120		08/10/2022 16:24	<a href="#">WG1908785</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	469		0.287	0.678	1	08/10/2022 11:25	<a href="#">WG1908140</a>
Ethane	2.53		0.296	1.29	1	08/10/2022 11:25	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 11:25	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.66	J	0.548	1.00	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Benzene	U		0.0160	0.0400	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:37	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:37	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:37	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:37	<a href="#">WG1907686</a>



JC  
9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:37	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:37	WG1907686
1,1-Dichloroethane	0.0430	<u>U</u>	0.0230	0.100	1	08/09/2022 00:37	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 00:37	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
cis-1,2-Dichloroethene	0.0370	<u>U</u>	0.0276	0.100	1	08/09/2022 00:37	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 00:37	WG1907686
1,2-Dichloropropane	U	<u>J4</u>	0.0508	0.200	1	08/09/2022 00:37	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:37	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:37	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:37	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:37	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:37	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 00:37	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 00:37	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:37	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:37	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:37	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:37	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:37	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:37	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:37	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 00:37	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:37	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 00:37	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:37	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 00:37	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 00:37	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 00:37	WG1907686
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	08/09/2022 00:37	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:37	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 00:37	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:37	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 00:37	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:37	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 00:37	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:37	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:37	WG1907686
Vinyl chloride	2.66	<u>J+</u> <u>C5 J4</u>	0.0273	0.100	1	08/09/2022 00:37	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 00:37	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:37	WG1907686
Tetrahydrofuran	0.876	<u>J</u>	0.0900	0.500	1	08/09/2022 00:37	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 00:37	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:37	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:37	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 00:37	WG1907686
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 00:37	WG1907686
(S) 1,2-Dichloroethane-d4	92.8			70.0-130		08/09/2022 00:37	WG1907686

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.42		0.548	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Benzene	0.0400	J	0.0160	0.0400	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	10.0		0.0276	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Di-isopropyl ether	0.0850	J+ C5	0.0140	0.0400	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Ethylbenzene	0.135		0.0212	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Naphthalene	0.316	J	0.124	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Styrene	0.128	J	0.109	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Toluene	0.906		0.0500	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	0.136	J	0.0464	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Vinyl chloride	0.339	J+ C5 J4	0.0273	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Xylenes, Total	0.935		0.191	0.260	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Tetrahydrofuran	0.592		0.0900	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:56	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:56	<a href="#">WG1907686</a>
(S) Toluene-d8	103			75.0-131		08/09/2022 00:56	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 00:56	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		08/09/2022 00:56	<a href="#">WG1907686</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.49		0.548	1.00	1	08/09/2022 01:15	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:15	WG1907686
Benzene	0.0500		0.0160	0.0400	1	08/09/2022 01:15	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:15	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:15	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 01:15	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 01:15	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:15	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:15	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:15	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:15	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:15	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:15	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:15	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 01:15	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:15	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:15	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:15	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:15	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:15	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:15	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:15	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:15	WG1907686
1,1-Dichloroethane	0.0400	U	0.0230	0.100	1	08/09/2022 01:15	WG1907686
1,2-Dichloroethane	0.0350	U	0.0190	0.100	1	08/09/2022 01:15	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:15	WG1907686
cis-1,2-Dichloroethene	20.2		0.0276	0.100	1	08/09/2022 01:15	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 01:15	WG1907686
1,1-Dichloropropene	0.0360	U	0.0280	0.100	1	08/09/2022 01:15	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:15	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:15	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:15	WG1907686
2,2-Dichloropropane	0.0610	U	0.0317	0.100	1	08/09/2022 01:15	WG1907686
Di-isopropyl ether	0.0520	J+ C5	0.0140	0.0400	1	08/09/2022 01:15	WG1907686
Ethylbenzene	0.125		0.0212	0.100	1	08/09/2022 01:15	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:15	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:15	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:15	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:15	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:15	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:15	WG1907686
Methyl tert-butyl ether	0.0300	U	0.0118	0.0400	1	08/09/2022 01:15	WG1907686
Naphthalene	0.299	U	0.124	0.500	1	08/09/2022 01:15	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:15	WG1907686
Styrene	0.124	U	0.109	0.500	1	08/09/2022 01:15	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:15	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:15	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:15	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 01:15	WG1907686
Toluene	0.770		0.0500	0.200	1	08/09/2022 01:15	WG1907686
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 01:15	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:15	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:15	WG1907686

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:15	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:15	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	0.121	J	0.0464	0.200	1	08/09/2022 01:15	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:15	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Vinyl chloride	0.120	J+ C5 J4	0.0273	0.100	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Xylenes, Total	0.785		0.191	0.260	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Tetrahydrofuran	0.587		0.0900	0.500	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:15	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:15	<a href="#">WG1907686</a>
(S) Toluene-d8	104			75.0-131		08/09/2022 01:15	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 01:15	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		08/09/2022 01:15	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.04		0.548	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Benzene	3.03		0.0160	0.0400	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1-Dichloroethane	0.0490	J	0.0230	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.211		0.0276	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	<del>J4</del>	0.0508	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Di-isopropyl ether	0.0890	J+ C5	0.0140	0.0400	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Ethylbenzene	0.142		0.0212	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Methyl tert-butyl ether	0.0250	J	0.0118	0.0400	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Naphthalene	0.302	J	0.124	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Styrene	0.128	J	0.109	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Toluene	0.861		0.0500	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	0.121	J	0.0464	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Vinyl chloride	12.5	J+ C5 J4	0.0273	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Xylenes, Total	0.927		0.191	0.260	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Tetrahydrofuran	0.251	J	0.0900	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:34	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:34	<a href="#">WG1907686</a>
(S) Toluene-d8	102			75.0-131		08/09/2022 01:34	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 01:34	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/09/2022 01:34	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	12200		594	5000	1	08/07/2022 21:37	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3620	J+	102	1000	1	08/17/2022 00:53	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5350		28.1	100	1	08/16/2022 16:04	<a href="#">WG1908976</a>
Manganese	1430		0.704	5.00	1	08/16/2022 16:04	<a href="#">WG1908976</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10500		2.87	6.78	10	08/11/2022 14:33	<a href="#">WG1909307</a>
Ethane	374		0.296	1.29	1	08/10/2022 11:29	<a href="#">WG1908140</a>
Ethene	252		0.422	1.27	1	08/10/2022 11:29	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Acrylonitrile	U		0.760	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Benzene	U		0.160	0.400	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Bromobenzene	U		0.420	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.315	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Bromoform	U		2.39	10.0	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Bromomethane	U		1.48	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
n-Butylbenzene	U		1.53	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
sec-Butylbenzene	U		1.01	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.620	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.432	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Chlorobenzene	U		0.229	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.180	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Chloroethane	U		0.432	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Chloroform	U		0.166	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Chloromethane	U		0.556	5.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.368	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.452	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Dibromomethane	U		0.400	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.327	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.190	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.200	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	11.3		0.276	1.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	1.17	J	0.572	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	0.508	2.00	10	08/09/2022 04:07	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.280	1.00	10	08/09/2022 04:07	WG1907686
1,3-Dichloropropane	U		0.700	2.00	10	08/09/2022 04:07	WG1907686
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/09/2022 04:07	WG1907686
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/09/2022 04:07	WG1907686
2,2-Dichloropropane	U		0.317	1.00	10	08/09/2022 04:07	WG1907686
Di-isopropyl ether	U		0.140	0.400	10	08/09/2022 04:07	WG1907686
Ethylbenzene	U		0.212	1.00	10	08/09/2022 04:07	WG1907686
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/09/2022 04:07	WG1907686
Isopropylbenzene	U		0.345	1.00	10	08/09/2022 04:07	WG1907686
p-Isopropyltoluene	U		0.932	2.00	10	08/09/2022 04:07	WG1907686
2-Butanone (MEK)	U		5.00	10.0	10	08/09/2022 04:07	WG1907686
Methylene Chloride	U		2.65	10.0	10	08/09/2022 04:07	WG1907686
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/09/2022 04:07	WG1907686
Methyl tert-butyl ether	U		0.118	0.400	10	08/09/2022 04:07	WG1907686
Naphthalene	U		1.24	5.00	10	08/09/2022 04:07	WG1907686
n-Propylbenzene	U		0.472	2.00	10	08/09/2022 04:07	WG1907686
Styrene	U		1.09	5.00	10	08/09/2022 04:07	WG1907686
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/09/2022 04:07	WG1907686
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/09/2022 04:07	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/09/2022 04:07	WG1907686
Tetrachloroethene	U		0.280	1.00	10	08/09/2022 04:07	WG1907686
Toluene	U		0.500	2.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	08/09/2022 04:07	WG1907686
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/09/2022 04:07	WG1907686
1,1,1-Trichloroethane	U		0.110	1.00	10	08/09/2022 04:07	WG1907686
1,1,2-Trichloroethane	U		0.353	1.00	10	08/09/2022 04:07	WG1907686
Trichloroethene	U		0.160	0.400	10	08/09/2022 04:07	WG1907686
Trichlorofluoromethane	U		0.200	1.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trichloropropane	U		2.04	5.00	10	08/09/2022 04:07	WG1907686
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/09/2022 04:07	WG1907686
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/09/2022 04:07	WG1907686
Vinyl chloride	374	J+ C5 J4	0.273	1.00	10	08/09/2022 04:07	WG1907686
Xylenes, Total	U		1.91	2.60	10	08/09/2022 04:07	WG1907686
Ethyl Ether	U		0.170	1.00	10	08/09/2022 04:07	WG1907686
Tetrahydrofuran	4.66	J	0.900	5.00	10	08/09/2022 04:07	WG1907686
Iodomethane	U		2.42	5.00	10	08/09/2022 04:07	WG1907686
Allyl chloride	U		5.80	10.0	10	08/09/2022 04:07	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/09/2022 04:07	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 04:07	WG1907686
(S) 4-Bromofluorobenzene	93.2			67.0-138		08/09/2022 04:07	WG1907686
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/09/2022 04:07	WG1907686

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	58000		594	5000	1	08/07/2022 22:31	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2120		102	1000	1	08/17/2022 01:09	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

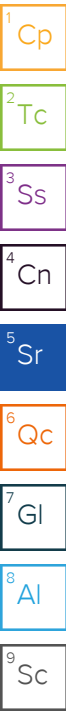
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	133		28.1	100	1	08/16/2022 16:55	<a href="#">WG1908976</a>
Manganese	15.6		0.704	5.00	1	08/16/2022 16:55	<a href="#">WG1908976</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2.22		0.287	0.678	1	08/10/2022 11:36	<a href="#">WG1908140</a>
Ethane	U		0.296	1.29	1	08/10/2022 11:36	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 11:36	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Benzene	0.0200	J	0.0160	0.0400	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:53	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	3.85		0.0276	0.100	1	08/09/2022 01:53	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	0.0630	J	0.0572	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 01:53	<a href="#">WG1907686</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 01:53	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:53	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:53	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:53	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 01:53	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 01:53	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 01:53	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:53	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:53	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:53	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:53	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:53	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:53	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 01:53	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 01:53	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:53	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 01:53	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:53	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:53	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:53	WG1907686
Tetrachloroethene	33.8		0.0280	0.100	1	08/09/2022 01:53	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 01:53	WG1907686
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 01:53	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:53	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:53	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:53	WG1907686
Trichloroethene	8.28	J+ C5	0.0160	0.0400	1	08/09/2022 01:53	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:53	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:53	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 01:53	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:53	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:53	WG1907686
Vinyl chloride	U	<del>J4</del>	0.0273	0.100	1	08/09/2022 01:53	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 01:53	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:53	WG1907686
Tetrahydrofuran	U		0.0900	0.500	1	08/09/2022 01:53	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 01:53	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:53	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:53	WG1907686
(S) Toluene-d8	104			75.0-131		08/09/2022 01:53	WG1907686
(S) 4-Bromofluorobenzene	108			67.0-138		08/09/2022 01:53	WG1907686
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		08/09/2022 01:53	WG1907686

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1220	J	594	5000	1	08/07/2022 22:49	<a href="#">WG1907057</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4210		102	1000	1	08/17/2022 01:27	<a href="#">WG1911590</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9740		28.1	100	1	08/16/2022 16:58	<a href="#">WG1908976</a>
Manganese	3050		0.704	5.00	1	08/16/2022 16:58	<a href="#">WG1908976</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6910		2.87	6.78	10	08/11/2022 14:37	<a href="#">WG1909307</a>
Ethane	12.1		0.296	1.29	1	08/10/2022 11:41	<a href="#">WG1908140</a>
Ethene	U		0.422	1.27	1	08/10/2022 11:41	<a href="#">WG1908140</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Benzene	0.0290	J	0.0160	0.0400	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:12	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.354		0.0276	0.100	1	08/09/2022 02:12	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J	0.0508	0.200	1	08/09/2022 02:12	<a href="#">WG1907686</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 02:12	WG1907686	
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:12	WG1907686	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:12	WG1907686	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:12	WG1907686	
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 02:12	WG1907686	
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:12	WG1907686	
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 02:12	WG1907686	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:12	WG1907686	
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:12	WG1907686	
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:12	WG1907686	
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:12	WG1907686	
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:12	WG1907686	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:12	WG1907686	
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:12	WG1907686	
Naphthalene	U		0.124	0.500	1	08/09/2022 02:12	WG1907686	
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:12	WG1907686	
Styrene	U		0.109	0.500	1	08/09/2022 02:12	WG1907686	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:12	WG1907686	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:12	WG1907686	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:12	WG1907686	
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 02:12	WG1907686	
Toluene	U		0.0500	0.200	1	08/09/2022 02:12	WG1907686	
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	08/09/2022 02:12	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:12	WG1907686	
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:12	WG1907686	
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:12	WG1907686	
Trichloroethene	0.0280	J	0.0160	0.0400	1	08/09/2022 02:12	WG1907686	
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:12	WG1907686	
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:12	WG1907686	
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:12	WG1907686	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:12	WG1907686	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:12	WG1907686	
Vinyl chloride	U		J4	0.0273	0.100	1	08/09/2022 02:12	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:12	WG1907686	
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:12	WG1907686	
Tetrahydrofuran	U		0.0900	0.500	1	08/09/2022 02:12	WG1907686	
Iodomethane	U		0.242	0.500	1	08/09/2022 02:12	WG1907686	
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:12	WG1907686	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:12	WG1907686	
(S) Toluene-d8	106			75.0-131		08/09/2022 02:12	WG1907686	
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 02:12	WG1907686	
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		08/09/2022 02:12	WG1907686	

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		110	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Acrylonitrile	U		15.2	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Benzene	U		3.20	8.00	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Bromobenzene	U		8.40	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Bromodichloromethane	U		6.30	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Bromoform	U		47.8	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Bromomethane	U		29.6	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
n-Butylbenzene	U		30.6	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
sec-Butylbenzene	U		20.2	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
tert-Butylbenzene	U		12.4	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Carbon tetrachloride	U		8.64	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Chlorobenzene	U		4.58	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Chlorodibromomethane	U		3.60	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Chloroethane	U		8.64	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Chloroform	U		3.32	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Chloromethane	U		11.1	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
2-Chlorotoluene	U		7.36	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
4-Chlorotoluene	U		9.04	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		4.20	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Dibromomethane	U		8.00	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		11.6	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		13.6	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		15.8	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		6.54	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		4.60	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		3.80	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1-Dichloroethene	16.0	J	4.00	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	4980		5.52	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	27.4	J	11.4	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	<del>J</del>	10.2	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		5.60	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		14.0	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		6.34	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Di-isopropyl ether	U		2.80	8.00	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Ethylbenzene	U		4.24	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		102	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Isopropylbenzene	U		6.90	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		18.6	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		100	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Methylene Chloride	U		53.0	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		2.36	8.00	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Naphthalene	U		24.8	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
n-Propylbenzene	U		9.44	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Styrene	U		21.8	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Tetrachloroethene	6400		5.60	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Toluene	U		10.0	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	5.00	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		38.6	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		2.20	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		7.06	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Trichloroethene	914	J+ C5	3.20	8.00	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		4.00	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		40.8	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Vinyl chloride	4660	J+ C5 J4	5.46	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Xylenes, Total	U		38.2	52.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Ethyl Ether	U		3.40	20.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Tetrahydrofuran	U		18.0	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Iodomethane	U		48.4	100	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Allyl chloride	U		116	200	200	08/09/2022 04:26	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/09/2022 04:26	<a href="#">WG1907686</a>
(S) Toluene-d8	103			75.0-131		08/09/2022 04:26	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 04:26	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/09/2022 04:26	<a href="#">WG1907686</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Acrylonitrile	U		1.90	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Benzene	U		0.400	1.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Bromobenzene	U		1.05	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.788	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Bromoform	U		5.98	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Bromomethane	U		3.70	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
n-Butylbenzene	U		3.83	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
sec-Butylbenzene	U		2.53	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
tert-Butylbenzene	U		1.55	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Carbon tetrachloride	U		1.08	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Chlorobenzene	U		0.573	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.450	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Chloroethane	12.5	J+ C5	1.08	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Chloroform	U		0.415	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Chloromethane	U		1.39	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.920	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
4-Chlorotoluene	U		1.13	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.525	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Dibromomethane	U		1.00	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.818	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.575	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.475	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1-Dichloroethene	4.60	J+ C5	0.500	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	1750		0.690	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	12.0		1.43	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	1.27	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.700	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		1.75	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.793	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.350	1.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Ethylbenzene	U		0.530	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.863	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		2.33	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		12.5	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Methylene Chloride	U		6.63	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.295	1.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Naphthalene	U		3.10	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
n-Propylbenzene	U		1.18	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Styrene	U		2.73	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Tetrachloroethene	4.43		0.700	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Toluene	U		1.25	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.625	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.275	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.883	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Trichloroethene	17.6	J+ C5	0.400	1.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.500	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		5.10	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Vinyl chloride	994		2.73	10.0	100	08/18/2022 12:28	<a href="#">WG1911561</a>
Xylenes, Total	U		4.78	6.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Ethyl Ether	U		0.425	2.50	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Tetrahydrofuran	U		2.25	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Iodomethane	U		6.05	12.5	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Allyl chloride	U		14.5	25.0	25	08/09/2022 04:45	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/09/2022 04:45	<a href="#">WG1907686</a>
(S) Toluene-d8	102			75.0-131		08/09/2022 04:45	<a href="#">WG1907686</a>
(S) Toluene-d8	110			75.0-131		08/18/2022 12:28	<a href="#">WG1911561</a>
(S) 4-Bromofluorobenzene	107			67.0-138		08/09/2022 04:45	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	105			67.0-138		08/18/2022 12:28	<a href="#">WG1911561</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/09/2022 04:45	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	85.2			70.0-130		08/18/2022 12:28	<a href="#">WG1911561</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		110	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Acrylonitrile	U		15.2	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Benzene	U		3.20	8.00	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Bromobenzene	U		8.40	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Bromodichloromethane	U		6.30	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Bromoform	U		47.8	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Bromomethane	U		29.6	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
n-Butylbenzene	U		30.6	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
sec-Butylbenzene	U		20.2	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
tert-Butylbenzene	U		12.4	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Carbon tetrachloride	U		8.64	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Chlorobenzene	U		4.58	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Chlorodibromomethane	U		3.60	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Chloroethane	U		8.64	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Chloroform	U		3.32	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Chloromethane	U		11.1	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
2-Chlorotoluene	U		7.36	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
4-Chlorotoluene	U		9.04	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		4.20	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Dibromomethane	U		8.00	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		11.6	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		13.6	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		15.8	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		6.54	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		4.60	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		3.80	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1-Dichloroethene	13.0	J	4.00	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	15600		5.52	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	94.4		11.4	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	10.2	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		5.60	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		14.0	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		6.34	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Di-isopropyl ether	U		2.80	8.00	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Ethylbenzene	U		4.24	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		102	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Isopropylbenzene	U		6.90	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		18.6	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		100	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Methylene Chloride	U		53.0	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		2.36	8.00	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Naphthalene	U		24.8	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
n-Propylbenzene	U		9.44	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Styrene	U		21.8	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Tetrachloroethene	19.6	J	5.60	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Toluene	U		10.0	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	5.00	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		38.6	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		2.20	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		7.06	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Trichloroethene	14.8	J+ C5	3.20	8.00	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		4.00	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		40.8	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Vinyl chloride	12700	J+ C5 J4	5.46	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Xylenes, Total	U		38.2	52.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Ethyl Ether	U		3.40	20.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Tetrahydrofuran	U		18.0	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Iodomethane	U		48.4	100	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Allyl chloride	U		116	200	200	08/09/2022 05:04	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/09/2022 05:04	<a href="#">WG1907686</a>
(S) Toluene-d8	101			75.0-131		08/09/2022 05:04	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 05:04	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/09/2022 05:04	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		27.4	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Acrylonitrile	U		3.80	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Benzene	U		0.800	2.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Bromobenzene	U		2.10	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Bromodichloromethane	U		1.58	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Bromoform	U		12.0	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Bromomethane	U		7.40	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
n-Butylbenzene	U		7.65	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
sec-Butylbenzene	U		5.05	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
tert-Butylbenzene	U		3.10	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Carbon tetrachloride	U		2.16	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Chlorobenzene	U		1.15	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.900	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Chloroethane	51.0	J+ C5	2.16	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Chloroform	U		0.830	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Chloromethane	U		2.78	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
2-Chlorotoluene	U		1.84	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
4-Chlorotoluene	U		2.26	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		1.05	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Dibromomethane	U		2.00	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		1.64	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		1.15	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.950	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1-Dichloroethene	5.70	J+ C5	1.00	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	912		1.38	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	6.25	J	2.86	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	2.54	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		1.40	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		3.50	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		1.59	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.700	2.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Ethylbenzene	U		1.06	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Isopropylbenzene	U		1.73	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		4.66	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		25.0	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Methylene Chloride	U		13.3	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.590	2.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Naphthalene	U		6.20	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
n-Propylbenzene	U		2.36	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Styrene	U		5.45	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Tetrachloroethene	7.55		1.40	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Toluene	U		2.50	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		1.77	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Trichloroethene	4.50	J+ C5	0.800	2.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		1.00	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Vinyl chloride	2990	J+ C5 J4	1.36	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Xylenes, Total	U		9.55	13.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Ethyl Ether	U		0.850	5.00	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Tetrahydrofuran	11.9	J	4.50	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Iodomethane	U		12.1	25.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Allyl chloride	U		29.0	50.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/09/2022 05:23	<a href="#">WG1907686</a>
(S) Toluene-d8	102			75.0-131		08/09/2022 05:23	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 05:23	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/09/2022 05:23	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.76		0.548	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Benzene	U		0.0160	0.0400	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.343		0.0276	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	<del>J4</del>	0.0508	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Naphthalene	U		0.124	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Styrene	U		0.109	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Tetrachloroethene	0.104		0.0280	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Toluene	U		0.0500	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Trichloroethene	0.0310	J	0.0160	0.0400	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Vinyl chloride	0.333	J+ C5 J4	0.0273	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Tetrahydrofuran	0.434	J	0.0900	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:31	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:31	<a href="#">WG1907686</a>
(S) Toluene-d8	103			75.0-131		08/09/2022 02:31	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	103			67.0-138		08/09/2022 02:31	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		08/09/2022 02:31	<a href="#">WG1907686</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

8  
Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Benzene	0.136		0.0160	0.0400	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.281		0.0276	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	0.0930	U	0.0572	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	U	0.0508	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
2,2-Dichloropropane	0.0760	U	0.0317	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Ethylbenzene	0.0300	U	0.0212	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Naphthalene	U		0.124	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Styrene	U		0.109	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Toluene	0.102	U	0.0500	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Trichloroethene	0.125	J+ C5	0.0160	0.0400	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Vinyl chloride	0.680	J+ C5 J4	0.0273	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Tetrahydrofuran	0.829		0.0900	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:50	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:50	<a href="#">WG1907686</a>
(S) Toluene-d8	104			75.0-131		08/09/2022 02:50	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 02:50	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		08/09/2022 02:50	<a href="#">WG1907686</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.88		0.548	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Benzene	0.0330	J	0.0160	0.0400	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.103		0.0276	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Ethylbenzene	0.0660	J	0.0212	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Naphthalene	0.270	J	0.124	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Styrene	U		0.109	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Toluene	0.317		0.0500	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Vinyl chloride	0.617	J+ C5 J4	0.0273	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Xylenes, Total	0.458		0.191	0.260	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Tetrahydrofuran	1.17		0.0900	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 03:09	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 03:09	<a href="#">WG1907686</a>
(S) Toluene-d8	102			75.0-131		08/09/2022 03:09	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	103			67.0-138		08/09/2022 03:09	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		08/09/2022 03:09	<a href="#">WG1907686</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Benzene	0.0560		0.0160	0.0400	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Bromobenzene	U		0.0420	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Bromoform	U		0.239	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Bromomethane	U		0.148	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Chloroethane	U		0.0432	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Chloroform	U		0.0166	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Chloromethane	U		0.0556	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Dibromomethane	U		0.0400	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	0.281		0.0276	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	0.757		0.0572	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Methylene Chloride	U		0.265	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Naphthalene	U		0.124	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Styrene	U		0.109	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Tetrachloroethene	0.498		0.0280	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Toluene	0.0600	J	0.0500	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Trichloroethene	0.143	J+ C5	0.0160	0.0400	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Vinyl chloride	7.63	J+ C5 J4	0.0273	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Xylenes, Total	U		0.191	0.260	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Tetrahydrofuran	0.994		0.0900	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Iodomethane	U		0.242	0.500	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Allyl chloride	U		0.580	1.00	1	08/09/2022 03:28	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 03:28	<a href="#">WG1907686</a>
(S) Toluene-d8	105			75.0-131		08/09/2022 03:28	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 03:28	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/09/2022 03:28	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		548	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Acrylonitrile	U		76.0	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Benzene	U		16.0	40.0	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Bromobenzene	U		42.0	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Bromodichloromethane	U		31.5	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Bromoform	U		239	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Bromomethane	U		148	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
n-Butylbenzene	U		153	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
sec-Butylbenzene	U		101	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
tert-Butylbenzene	U		62.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Carbon tetrachloride	U		43.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Chlorobenzene	U		22.9	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Chlorodibromomethane	U		18.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Chloroethane	U		43.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Chloroform	U		16.6	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Chloromethane	U		55.6	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
2-Chlorotoluene	U		36.8	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
4-Chlorotoluene	U		45.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2-Dibromo-3-Chloropropane	U		204	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2-Dibromoethane	U		21.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Dibromomethane	U		40.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2-Dichlorobenzene	U		58.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,3-Dichlorobenzene	U		68.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,4-Dichlorobenzene	U		78.8	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Dichlorodifluoromethane	U		32.7	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1-Dichloroethane	U		23.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2-Dichloroethane	U		19.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1-Dichloroethene	63.0	J	20.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
cis-1,2-Dichloroethene	41700		27.6	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
trans-1,2-Dichloroethene	89.0	J	57.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2-Dichloropropane	U	J4	50.8	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1-Dichloropropene	U		28.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,3-Dichloropropane	U		70.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
cis-1,3-Dichloropropene	U		27.1	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
trans-1,3-Dichloropropene	U		61.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
2,2-Dichloropropane	U		31.7	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Di-isopropyl ether	U		14.0	40.0	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Ethylbenzene	U		21.2	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Hexachloro-1,3-butadiene	U		508	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Isopropylbenzene	U		34.5	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
p-Isopropyltoluene	U		93.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
2-Butanone (MEK)	U		500	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Methylene Chloride	U		265	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Methyl tert-butyl ether	U		11.8	40.0	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Naphthalene	231	J	124	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
n-Propylbenzene	U		47.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Styrene	U		109	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Tetrachloroethene	149		28.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
Toluene	U		50.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,2,3-Trichlorobenzene	U	UJ	C4	25.0	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		193	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	
1,1,1-Trichloroethane	U		11.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		35.3	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Trichloroethene	250	J+ C5	16.0	40.0	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		20.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		204	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		46.4	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		46.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		43.2	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Vinyl chloride	46000	J+ C5 J4	27.3	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Xylenes, Total	U		191	260	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Ethyl Ether	U		17.0	100	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Tetrahydrofuran	U		90.0	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Iodomethane	U		242	500	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Allyl chloride	U		580	1000	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		56.0	200	1000	08/09/2022 05:42	<a href="#">WG1907686</a>
(S) Toluene-d8	101			75.0-131		08/09/2022 05:42	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	107			67.0-138		08/09/2022 05:42	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/09/2022 05:42	<a href="#">WG1907686</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Acrylonitrile	U		7.60	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Benzene	U		1.60	4.00	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Bromobenzene	U		4.20	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Bromodichloromethane	U		3.15	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Bromoform	U		23.9	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Bromomethane	U		14.8	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
n-Butylbenzene	U		15.3	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
sec-Butylbenzene	U		10.1	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
tert-Butylbenzene	U		6.20	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Carbon tetrachloride	U		4.32	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Chlorobenzene	U		2.29	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Chlorodibromomethane	U		1.80	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Chloroethane	U		4.32	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Chloroform	U		1.66	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Chloromethane	U		5.56	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
2-Chlorotoluene	U		3.68	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
4-Chlorotoluene	U		4.52	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2-Dibromoethane	U		2.10	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Dibromomethane	U		4.00	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2-Dichlorobenzene	U		5.80	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,3-Dichlorobenzene	U		6.80	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,4-Dichlorobenzene	U		7.88	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Dichlorodifluoromethane	U		3.27	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1-Dichloroethane	U		2.30	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2-Dichloroethane	U		1.90	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1-Dichloroethene	14.6	J+ C5	2.00	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
cis-1,2-Dichloroethene	3700		2.76	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
trans-1,2-Dichloroethene	11.0	J	5.72	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2-Dichloropropane	U	J4	5.08	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1-Dichloropropene	U		2.80	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,3-Dichloropropane	U		7.00	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
2,2-Dichloropropane	U		3.17	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Di-isopropyl ether	U		1.40	4.00	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Ethylbenzene	U		2.12	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Hexachloro-1,3-butadiene	U		50.8	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Isopropylbenzene	U		3.45	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
p-Isopropyltoluene	U		9.32	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
2-Butanone (MEK)	U		50.0	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Methylene Chloride	U		26.5	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Methyl tert-butyl ether	U		1.18	4.00	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Naphthalene	U		12.4	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
n-Propylbenzene	U		4.72	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Styrene	U		10.9	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Tetrachloroethene	U		2.80	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Toluene	U		5.00	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2,4-Trichlorobenzene	U		19.3	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,1,1-Trichloroethane	U		1.10	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
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6 Qc  
7 Gl  
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JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.53	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Trichloroethene	U		1.60	4.00	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Trichlorofluoromethane	U		2.00	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Vinyl chloride	8160		13.6	50.0	500	08/18/2022 12:47	<a href="#">WG1911561</a>
Xylenes, Total	U		19.1	26.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Ethyl Ether	U		1.70	10.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Tetrahydrofuran	17.1	U	9.00	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Iodomethane	U		24.2	50.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Allyl chloride	U		58.0	100	100	08/09/2022 06:01	<a href="#">WG1907686</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/09/2022 06:01	<a href="#">WG1907686</a>
(S) Toluene-d8	102			75.0-131		08/09/2022 06:01	<a href="#">WG1907686</a>
(S) Toluene-d8	111			75.0-131		08/18/2022 12:47	<a href="#">WG1911561</a>
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 06:01	<a href="#">WG1907686</a>
(S) 4-Bromofluorobenzene	103			67.0-138		08/18/2022 12:47	<a href="#">WG1911561</a>
(S) 1,2-Dichloroethane-d4	119			70.0-130		08/09/2022 06:01	<a href="#">WG1907686</a>
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 12:47	<a href="#">WG1911561</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	08/12/2022 03:15	WG1908799
Acrylonitrile	U		7.60	50.0	100	08/12/2022 03:15	WG1908799
Benzene	U		1.60	4.00	100	08/12/2022 03:15	WG1908799
Bromobenzene	U		4.20	50.0	100	08/12/2022 03:15	WG1908799
Bromodichloromethane	U		3.15	10.0	100	08/12/2022 03:15	WG1908799
Bromoform	U		23.9	100	100	08/12/2022 03:15	WG1908799
Bromomethane	U		14.8	50.0	100	08/12/2022 03:15	WG1908799
n-Butylbenzene	U		15.3	50.0	100	08/12/2022 03:15	WG1908799
sec-Butylbenzene	U		10.1	50.0	100	08/12/2022 03:15	WG1908799
tert-Butylbenzene	U		6.20	20.0	100	08/12/2022 03:15	WG1908799
Carbon tetrachloride	U		4.32	20.0	100	08/12/2022 03:15	WG1908799
Chlorobenzene	U		2.29	10.0	100	08/12/2022 03:15	WG1908799
Chlorodibromomethane	U		1.80	10.0	100	08/12/2022 03:15	WG1908799
Chloroethane	U		4.32	20.0	100	08/12/2022 03:15	WG1908799
Chloroform	U		1.66	10.0	100	08/12/2022 03:15	WG1908799
Chloromethane	U		5.56	50.0	100	08/12/2022 03:15	WG1908799
2-Chlorotoluene	U		3.68	10.0	100	08/12/2022 03:15	WG1908799
4-Chlorotoluene	U		4.52	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/12/2022 03:15	WG1908799
1,2-Dibromoethane	U		2.10	10.0	100	08/12/2022 03:15	WG1908799
Dibromomethane	U		4.00	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dichlorobenzene	U		5.80	20.0	100	08/12/2022 03:15	WG1908799
1,3-Dichlorobenzene	U		6.80	20.0	100	08/12/2022 03:15	WG1908799
1,4-Dichlorobenzene	U		7.88	20.0	100	08/12/2022 03:15	WG1908799
Dichlorodifluoromethane	U		3.27	10.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloroethane	U		2.30	10.0	100	08/12/2022 03:15	WG1908799
1,2-Dichloroethane	U		1.90	10.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloroethene	39.5		2.00	10.0	100	08/12/2022 03:15	WG1908799
cis-1,2-Dichloroethene	3670		2.76	10.0	100	08/12/2022 03:15	WG1908799
trans-1,2-Dichloroethene	13.9	J	5.72	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dichloropropane	U		5.08	20.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloropropene	U		2.80	10.0	100	08/12/2022 03:15	WG1908799
1,3-Dichloropropane	U		7.00	20.0	100	08/12/2022 03:15	WG1908799
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/12/2022 03:15	WG1908799
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/12/2022 03:15	WG1908799
2,2-Dichloropropane	U		3.17	10.0	100	08/12/2022 03:15	WG1908799
Di-isopropyl ether	U		1.40	4.00	100	08/12/2022 03:15	WG1908799
Ethylbenzene	U		2.12	10.0	100	08/12/2022 03:15	WG1908799
Hexachloro-1,3-butadiene	U		50.8	100	100	08/12/2022 03:15	WG1908799
Isopropylbenzene	U		3.45	10.0	100	08/12/2022 03:15	WG1908799
p-Isopropyltoluene	U		9.32	20.0	100	08/12/2022 03:15	WG1908799
2-Butanone (MEK)	U		50.0	100	100	08/12/2022 03:15	WG1908799
Methylene Chloride	U		26.5	100	100	08/12/2022 03:15	WG1908799
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/12/2022 03:15	WG1908799
Methyl tert-butyl ether	U		1.18	4.00	100	08/12/2022 03:15	WG1908799
Naphthalene	U		12.4	50.0	100	08/12/2022 03:15	WG1908799
n-Propylbenzene	U		4.72	20.0	100	08/12/2022 03:15	WG1908799
Styrene	U		10.9	50.0	100	08/12/2022 03:15	WG1908799
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/12/2022 03:15	WG1908799
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/12/2022 03:15	WG1908799
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/12/2022 03:15	WG1908799
Tetrachloroethene	U		2.80	10.0	100	08/12/2022 03:15	WG1908799
Toluene	U		5.00	20.0	100	08/12/2022 03:15	WG1908799
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	08/12/2022 03:15	WG1908799
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	08/12/2022 03:15	WG1908799
1,1,1-Trichloroethane	U		1.10	10.0	100	08/12/2022 03:15	WG1908799

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.53	10.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Trichloroethene	U		1.60	4.00	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		2.00	10.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Vinyl chloride	1970		2.73	10.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Xylenes, Total	U		19.1	26.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Ethyl Ether	U		1.70	10.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Tetrahydrofuran	U		9.00	50.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Iodomethane	U		24.2	50.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Allyl chloride	U		58.0	100	100	08/12/2022 03:15	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/12/2022 03:15	<a href="#">WG1908799</a>
(S) Toluene-d8	101			75.0-131		08/12/2022 03:15	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	105			67.0-138		08/12/2022 03:15	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/12/2022 03:15	<a href="#">WG1908799</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Acrylonitrile	U		0.760	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Benzene	U		0.160	0.400	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Bromobenzene	U		0.420	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Bromodichloromethane	U		0.315	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Bromoform	U		2.39	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Bromomethane	U		1.48	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
n-Butylbenzene	U		1.53	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
sec-Butylbenzene	U		1.01	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
tert-Butylbenzene	U		0.620	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Carbon tetrachloride	U		0.432	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Chlorobenzene	U		0.229	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Chlorodibromomethane	U		0.180	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Chloroethane	3.04		0.432	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Chloroform	U		0.166	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Chloromethane	U		0.556	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
2-Chlorotoluene	U		0.368	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
4-Chlorotoluene	U		0.452	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Dibromomethane	U		0.400	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Dichlorodifluoromethane	U		0.327	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2-Dichloroethane	U		0.190	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1-Dichloroethene	12.2		0.200	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
cis-1,2-Dichloroethene	210		0.276	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
trans-1,2-Dichloroethene	4.20		0.572	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2-Dichloropropane	U		0.508	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1-Dichloropropene	U		0.280	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,3-Dichloropropane	U		0.700	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
2,2-Dichloropropane	U		0.317	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Di-isopropyl ether	U		0.140	0.400	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Ethylbenzene	U		0.212	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Isopropylbenzene	U		0.345	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
p-Isopropyltoluene	U		0.932	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
2-Butanone (MEK)	U		5.00	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Methylene Chloride	U		2.65	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Methyl tert-butyl ether	U		0.118	0.400	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Naphthalene	U		1.24	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
n-Propylbenzene	U		0.472	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Styrene	U		1.09	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Tetrachloroethene	276		0.280	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Toluene	U		0.500	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2,4-Trichlorobenzene	U	UJ C4	1.93	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Trichloroethene	189		0.160	0.400	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		0.200	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Vinyl chloride	55.5		0.273	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Xylenes, Total	U		1.91	2.60	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Ethyl Ether	U		0.170	1.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Tetrahydrofuran	U		0.900	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Iodomethane	U		2.42	5.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Allyl chloride	U		5.80	10.0	10	08/12/2022 03:34	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/12/2022 03:34	<a href="#">WG1908799</a>
(S) Toluene-d8	106			75.0-131		08/12/2022 03:34	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	97.5			67.0-138		08/12/2022 03:34	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/12/2022 03:34	<a href="#">WG1908799</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1522618-26 WG1908799: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		110	200	200	08/12/2022 03:53	WG1908799
Acrylonitrile	U		15.2	100	200	08/12/2022 03:53	WG1908799
Benzene	U		3.20	8.00	200	08/12/2022 03:53	WG1908799
Bromobenzene	U		8.40	100	200	08/12/2022 03:53	WG1908799
Bromodichloromethane	U		6.30	20.0	200	08/12/2022 03:53	WG1908799
Bromoform	U		47.8	200	200	08/12/2022 03:53	WG1908799
Bromomethane	U		29.6	100	200	08/12/2022 03:53	WG1908799
n-Butylbenzene	U		30.6	100	200	08/12/2022 03:53	WG1908799
sec-Butylbenzene	U		20.2	100	200	08/12/2022 03:53	WG1908799
tert-Butylbenzene	U		12.4	40.0	200	08/12/2022 03:53	WG1908799
Carbon tetrachloride	U		8.64	40.0	200	08/12/2022 03:53	WG1908799
Chlorobenzene	U		4.58	20.0	200	08/12/2022 03:53	WG1908799
Chlorodibromomethane	U		3.60	20.0	200	08/12/2022 03:53	WG1908799
Chloroethane	U		8.64	40.0	200	08/12/2022 03:53	WG1908799
Chloroform	U		3.32	20.0	200	08/12/2022 03:53	WG1908799
Chloromethane	U		11.1	100	200	08/12/2022 03:53	WG1908799
2-Chlorotoluene	U		7.36	20.0	200	08/12/2022 03:53	WG1908799
4-Chlorotoluene	U		9.04	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/12/2022 03:53	WG1908799
1,2-Dibromoethane	U		4.20	20.0	200	08/12/2022 03:53	WG1908799
Dibromomethane	U		8.00	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dichlorobenzene	U		11.6	40.0	200	08/12/2022 03:53	WG1908799
1,3-Dichlorobenzene	U		13.6	40.0	200	08/12/2022 03:53	WG1908799
1,4-Dichlorobenzene	U		15.8	40.0	200	08/12/2022 03:53	WG1908799
Dichlorodifluoromethane	U		6.54	20.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloroethane	U		4.60	20.0	200	08/12/2022 03:53	WG1908799
1,2-Dichloroethane	U		3.80	20.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloroethene	21.6		4.00	20.0	200	08/12/2022 03:53	WG1908799
cis-1,2-Dichloroethene	3700		5.52	20.0	200	08/12/2022 03:53	WG1908799
trans-1,2-Dichloroethene	41.4		11.4	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dichloropropane	U		10.2	40.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloropropene	U		5.60	20.0	200	08/12/2022 03:53	WG1908799
1,3-Dichloropropane	U		14.0	40.0	200	08/12/2022 03:53	WG1908799
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/12/2022 03:53	WG1908799
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/12/2022 03:53	WG1908799
2,2-Dichloropropane	U		6.34	20.0	200	08/12/2022 03:53	WG1908799
Di-isopropyl ether	U		2.80	8.00	200	08/12/2022 03:53	WG1908799
Ethylbenzene	U		4.24	20.0	200	08/12/2022 03:53	WG1908799
Hexachloro-1,3-butadiene	U		102	200	200	08/12/2022 03:53	WG1908799
Isopropylbenzene	U		6.90	20.0	200	08/12/2022 03:53	WG1908799
p-Isopropyltoluene	U		18.6	40.0	200	08/12/2022 03:53	WG1908799
2-Butanone (MEK)	U		100	200	200	08/12/2022 03:53	WG1908799
Methylene Chloride	U		53.0	200	200	08/12/2022 03:53	WG1908799
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/12/2022 03:53	WG1908799
Methyl tert-butyl ether	U		2.36	8.00	200	08/12/2022 03:53	WG1908799
Naphthalene	U		24.8	100	200	08/12/2022 03:53	WG1908799
n-Propylbenzene	U		9.44	40.0	200	08/12/2022 03:53	WG1908799
Styrene	U		21.8	100	200	08/12/2022 03:53	WG1908799
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/12/2022 03:53	WG1908799
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/12/2022 03:53	WG1908799
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/12/2022 03:53	WG1908799
Tetrachloroethene	U		5.60	20.0	200	08/12/2022 03:53	WG1908799
Toluene	U		10.0	40.0	200	08/12/2022 03:53	WG1908799
1,2,3-Trichlorobenzene	U	UJ C4	5.00	100	200	08/12/2022 03:53	WG1908799
1,2,4-Trichlorobenzene	U	UJ C4	38.6	100	200	08/12/2022 03:53	WG1908799
1,1,1-Trichloroethane	U		2.20	20.0	200	08/12/2022 03:53	WG1908799

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		7.06	20.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Trichloroethene	U		3.20	8.00	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		4.00	20.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		40.8	100	200	08/12/2022 03:53	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Vinyl chloride	11700		5.46	20.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Xylenes, Total	U		38.2	52.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Ethyl Ether	U		3.40	20.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Tetrahydrofuran	U		18.0	100	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Iodomethane	U		48.4	100	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Allyl chloride	U		116	200	200	08/12/2022 03:53	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/12/2022 03:53	<a href="#">WG1908799</a>
(S) Toluene-d8	101			75.0-131		08/12/2022 03:53	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/12/2022 03:53	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/12/2022 03:53	<a href="#">WG1908799</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1522618-27 WG1908799: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.0	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Acrylonitrile	U		1.52	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Benzene	U		0.320	0.800	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Bromobenzene	U		0.840	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Bromodichloromethane	U		0.630	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Bromoform	U		4.78	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Bromomethane	U		2.96	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
n-Butylbenzene	U		3.06	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
sec-Butylbenzene	U		2.02	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
tert-Butylbenzene	U		1.24	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Carbon tetrachloride	U		0.864	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Chlorobenzene	U		0.458	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Chlorodibromomethane	U		0.360	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Chloroethane	U		0.864	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Chloroform	U		0.332	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Chloromethane	U	UJ C3 J3	1.11	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
2-Chlorotoluene	U		0.736	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
4-Chlorotoluene	U		0.904	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2-Dibromoethane	U		0.420	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Dibromomethane	U		0.800	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2-Dichlorobenzene	U		1.16	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,3-Dichlorobenzene	U		1.36	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,4-Dichlorobenzene	U		1.58	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Dichlorodifluoromethane	U		0.654	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1-Dichloroethane	U		0.460	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2-Dichloroethane	0.720	J C3 J	0.380	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1-Dichloroethene	0.680	J	0.400	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
cis-1,2-Dichloroethene	760		0.552	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
trans-1,2-Dichloroethene	16.5		1.14	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2-Dichloropropane	U		1.02	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1-Dichloropropene	U		0.560	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,3-Dichloropropane	U		1.40	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
2,2-Dichloropropane	U		0.634	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Di-isopropyl ether	U		0.280	0.800	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Ethylbenzene	U		0.424	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Isopropylbenzene	U		0.690	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
p-Isopropyltoluene	U		1.86	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
2-Butanone (MEK)	U		10.0	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Methylene Chloride	U		5.30	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Methyl tert-butyl ether	U		0.236	0.800	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Naphthalene	U		2.48	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
n-Propylbenzene	U		0.944	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Styrene	U		2.18	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Tetrachloroethene	U		0.560	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Toluene	U		1.00	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2,3-Trichlorobenzene	U		0.500	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,1,1-Trichloroethane	U		0.220	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.706	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Trichloroethene	0.560	<u>J</u>	0.320	0.800	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Trichlorofluoromethane	U		0.400	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2,3-Trichloropropane	U		4.08	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Vinyl chloride	642		0.546	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Xylenes, Total	U		3.82	5.20	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Ethyl Ether	U		0.340	2.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Tetrahydrofuran	3.14	U <del>BJ</del>	1.80	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Iodomethane	U		4.84	10.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Allyl chloride	U		11.6	20.0	20	08/18/2022 13:06	<a href="#">WG1911828</a>
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/18/2022 13:06	<a href="#">WG1911828</a>
(S) Toluene-d8	111			75.0-131		08/18/2022 13:06	<a href="#">WG1911828</a>
(S) 4-Bromofluorobenzene	102			67.0-138		08/18/2022 13:06	<a href="#">WG1911828</a>
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 13:06	<a href="#">WG1911828</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		137	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Acrylonitrile	U		19.0	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Benzene	U		4.00	10.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Bromobenzene	U		10.5	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Bromodichloromethane	U		7.88	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Bromoform	U		59.8	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Bromomethane	U		37.0	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
n-Butylbenzene	U		38.3	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
sec-Butylbenzene	U		25.3	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
tert-Butylbenzene	U		15.5	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Carbon tetrachloride	U		10.8	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Chlorobenzene	U		5.73	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Chlorodibromomethane	U		4.50	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Chloroethane	U		10.8	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Chloroform	U		4.15	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Chloromethane	U		13.9	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
2-Chlorotoluene	U		9.20	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
4-Chlorotoluene	U		11.3	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2-Dibromoethane	U		5.25	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Dibromomethane	U		10.0	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2-Dichlorobenzene	U		14.5	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,3-Dichlorobenzene	U		17.0	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,4-Dichlorobenzene	U		19.7	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Dichlorodifluoromethane	U		8.18	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1-Dichloroethane	U		5.75	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2-Dichloroethane	U		4.75	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1-Dichloroethene	25.5		5.00	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
cis-1,2-Dichloroethene	4770		6.90	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
trans-1,2-Dichloroethene	172		14.3	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2-Dichloropropane	U		12.7	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1-Dichloropropene	U		7.00	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,3-Dichloropropane	U		17.5	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
cis-1,3-Dichloropropene	U		6.78	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
trans-1,3-Dichloropropene	U		15.3	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
2,2-Dichloropropane	U		7.93	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Di-isopropyl ether	U		3.50	10.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Ethylbenzene	U		5.30	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Hexachloro-1,3-butadiene	U		127	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Isopropylbenzene	U		8.63	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
p-Isopropyltoluene	U		23.3	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
2-Butanone (MEK)	U		125	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Methylene Chloride	U		66.3	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
4-Methyl-2-pentanone (MIBK)	U		100	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Methyl tert-butyl ether	U		2.95	10.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Naphthalene	U		31.0	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
n-Propylbenzene	U		11.8	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Styrene	U		27.3	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Tetrachloroethene	90.8		7.00	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Toluene	U		12.5	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2,3-Trichlorobenzene	U	UJ C4	6.25	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2,4-Trichlorobenzene	U	UJ C4	48.3	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Trichloroethene	24.0		4.00	10.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		5.00	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		51.0	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Vinyl chloride	12500		6.82	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Xylenes, Total	U		47.8	65.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Ethyl Ether	U		4.25	25.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Tetrahydrofuran	U		22.5	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Iodomethane	U		60.5	125	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Allyl chloride	U		145	250	250	08/12/2022 04:31	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	08/12/2022 04:31	<a href="#">WG1908799</a>
(S) Toluene-d8	100			75.0-131		08/12/2022 04:31	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	107			67.0-138		08/12/2022 04:31	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/12/2022 04:31	<a href="#">WG1908799</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Sample Narrative:

L1522618-29 WG1908799: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		137	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Acrylonitrile	U		19.0	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Benzene	U		4.00	10.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Bromobenzene	U		10.5	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Bromodichloromethane	U		7.88	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Bromoform	U		59.8	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Bromomethane	U		37.0	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
n-Butylbenzene	U		38.3	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
sec-Butylbenzene	U		25.3	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
tert-Butylbenzene	U		15.5	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Carbon tetrachloride	U		10.8	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Chlorobenzene	U		5.73	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Chlorodibromomethane	U		4.50	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Chloroethane	U		10.8	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Chloroform	U		4.15	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Chloromethane	U		13.9	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
2-Chlorotoluene	U		9.20	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
4-Chlorotoluene	U		11.3	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2-Dibromoethane	U		5.25	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Dibromomethane	U		10.0	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2-Dichlorobenzene	U		14.5	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,3-Dichlorobenzene	U		17.0	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,4-Dichlorobenzene	U		19.7	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Dichlorodifluoromethane	U		8.18	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1-Dichloroethane	U		5.75	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2-Dichloroethane	U		4.75	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1-Dichloroethene	20.0	J	5.00	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
cis-1,2-Dichloroethene	8810		6.90	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
trans-1,2-Dichloroethene	60.0		14.3	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2-Dichloropropane	U		12.7	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1-Dichloropropene	U		7.00	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,3-Dichloropropane	U		17.5	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
cis-1,3-Dichloropropene	U		6.78	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
trans-1,3-Dichloropropene	U		15.3	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
2,2-Dichloropropane	U		7.93	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Di-isopropyl ether	U		3.50	10.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Ethylbenzene	U		5.30	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Hexachloro-1,3-butadiene	U		127	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Isopropylbenzene	U		8.63	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
p-Isopropyltoluene	U		23.3	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
2-Butanone (MEK)	U		125	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Methylene Chloride	U		66.3	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
4-Methyl-2-pentanone (MIBK)	U		100	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Methyl tert-butyl ether	U		2.95	10.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Naphthalene	U		31.0	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
n-Propylbenzene	U		11.8	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Styrene	U		27.3	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Tetrachloroethene	U		7.00	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
Toluene	U		12.5	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	
1,2,3-Trichlorobenzene	U	UJ	C4	6.25	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,2,4-Trichlorobenzene	U	UJ	C4	48.3	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,1,1-Trichloroethane	U		2.75	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		8.83	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Trichloroethene	U		4.00	10.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		5.00	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		51.0	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		11.6	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		11.5	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		10.8	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Vinyl chloride	3870		6.82	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Xylenes, Total	U		47.8	65.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Ethyl Ether	U		4.25	25.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Tetrahydrofuran	U		22.5	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Iodomethane	U		60.5	125	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Allyl chloride	U		145	250	250	08/12/2022 04:50	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	08/12/2022 04:50	<a href="#">WG1908799</a>
(S) Toluene-d8	106			75.0-131		08/12/2022 04:50	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	96.8			67.0-138		08/12/2022 04:50	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/12/2022 04:50	<a href="#">WG1908799</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1522618-30 WG1908799: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.95		0.548	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Acrylonitrile	U		0.0760	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Benzene	U		0.0160	0.0400	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Bromobenzene	U		0.0420	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Bromodichloromethane	U		0.0315	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Bromoform	U		0.239	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Bromomethane	U		0.148	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
n-Butylbenzene	U		0.153	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
sec-Butylbenzene	U		0.101	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Chlorobenzene	U		0.0229	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Chloroethane	U		0.0432	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Chloroform	U		0.0166	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Chloromethane	U		0.0556	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Dibromomethane	U		0.0400	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
cis-1,2-Dichloroethene	0.211		0.0276	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Ethylbenzene	U		0.0212	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Isopropylbenzene	U		0.0345	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Methylene Chloride	U		0.265	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Naphthalene	U		0.124	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
n-Propylbenzene	U		0.0472	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Styrene	U		0.109	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Tetrachloroethene	U		0.0280	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Toluene	0.0930	U	0.0500	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Trichloroethene	U		0.0160	0.0400	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Vinyl chloride	0.191		0.0273	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Tetrahydrofuran	0.898		0.0900	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Iodomethane	U		0.242	0.500	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Allyl chloride	U		0.580	1.00	1	08/11/2022 23:27	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2022 23:27	<a href="#">WG1908799</a>
(S) Toluene-d8	102			75.0-131		08/11/2022 23:27	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	107			67.0-138		08/11/2022 23:27	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/11/2022 23:27	<a href="#">WG1908799</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.95		0.548	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Acrylonitrile	U		0.0760	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Benzene	0.103		0.0160	0.0400	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Bromobenzene	U		0.0420	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Bromodichloromethane	U		0.0315	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Bromoform	U		0.239	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Bromomethane	U		0.148	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
n-Butylbenzene	U		0.153	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
sec-Butylbenzene	U		0.101	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Chlorobenzene	U		0.0229	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Chloroethane	U		0.0432	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Chloroform	U		0.0166	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Chloromethane	U	UJ C3 J3	0.0556	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Dibromomethane	U		0.0400	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2-Dichloroethane	0.0250	J C3 J	0.0190	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1-Dichloroethene	0.0710	J	0.0200	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
cis-1,2-Dichloroethene	0.0660	J	0.0276	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
trans-1,2-Dichloroethene	0.338		0.0572	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Ethylbenzene	U		0.0212	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Isopropylbenzene	U		0.0345	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
2-Butanone (MEK)	0.665	J	0.500	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Methylene Chloride	U		0.265	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Naphthalene	U		0.124	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
n-Propylbenzene	U		0.0472	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Styrene	U		0.109	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Tetrachloroethene	U		0.0280	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Toluene	U		0.0500	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC  
9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Trichloroethene	0.0380	J	0.0160	0.0400	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Vinyl chloride	20.6		0.0273	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Xylenes, Total	U		0.191	0.260	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Ethyl Ether	U		0.0170	0.100	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Tetrahydrofuran	4.49		0.0900	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Iodomethane	U		0.242	0.500	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Allyl chloride	U		0.580	1.00	1	08/18/2022 14:38	<a href="#">WG1911828</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/18/2022 14:38	<a href="#">WG1911828</a>
(S) Toluene-d8	108			75.0-131		08/18/2022 14:38	<a href="#">WG1911828</a>
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/18/2022 14:38	<a href="#">WG1911828</a>
(S) 1,2-Dichloroethane-d4	84.4			70.0-130		08/18/2022 14:38	<a href="#">WG1911828</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.34		0.548	1.00	1	08/11/2022 23:46	WG1908799
Acrylonitrile	U		0.0760	0.500	1	08/11/2022 23:46	WG1908799
Benzene	0.0330	J	0.0160	0.0400	1	08/11/2022 23:46	WG1908799
Bromobenzene	U		0.0420	0.500	1	08/11/2022 23:46	WG1908799
Bromodichloromethane	U		0.0315	0.100	1	08/11/2022 23:46	WG1908799
Bromoform	U		0.239	1.00	1	08/11/2022 23:46	WG1908799
Bromomethane	U		0.148	0.500	1	08/11/2022 23:46	WG1908799
n-Butylbenzene	U		0.153	0.500	1	08/11/2022 23:46	WG1908799
sec-Butylbenzene	U		0.101	0.500	1	08/11/2022 23:46	WG1908799
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2022 23:46	WG1908799
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2022 23:46	WG1908799
Chlorobenzene	U		0.0229	0.100	1	08/11/2022 23:46	WG1908799
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2022 23:46	WG1908799
Chloroethane	0.417		0.0432	0.200	1	08/11/2022 23:46	WG1908799
Chloroform	U		0.0166	0.100	1	08/11/2022 23:46	WG1908799
Chloromethane	U		0.0556	0.500	1	08/11/2022 23:46	WG1908799
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2022 23:46	WG1908799
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2022 23:46	WG1908799
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2022 23:46	WG1908799
Dibromomethane	U		0.0400	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2022 23:46	WG1908799
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2022 23:46	WG1908799
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2022 23:46	WG1908799
Dichlorodifluoromethane	U		0.0327	0.100	1	08/11/2022 23:46	WG1908799
1,1-Dichloroethane	0.0230	J	0.0230	0.100	1	08/11/2022 23:46	WG1908799
1,2-Dichloroethane	0.0270	J	0.0190	0.100	1	08/11/2022 23:46	WG1908799
1,1-Dichloroethene	0.413		0.0200	0.100	1	08/11/2022 23:46	WG1908799
cis-1,2-Dichloroethene	285		0.690	2.50	25	08/18/2022 13:24	WG1911828
trans-1,2-Dichloroethene	3.36		0.0572	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2022 23:46	WG1908799
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2022 23:46	WG1908799
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2022 23:46	WG1908799
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2022 23:46	WG1908799
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2022 23:46	WG1908799
2,2-Dichloropropane	U		0.0317	0.100	1	08/11/2022 23:46	WG1908799
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2022 23:46	WG1908799
Ethylbenzene	0.0320	J	0.0212	0.100	1	08/11/2022 23:46	WG1908799
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2022 23:46	WG1908799
Isopropylbenzene	U		0.0345	0.100	1	08/11/2022 23:46	WG1908799
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2022 23:46	WG1908799
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2022 23:46	WG1908799
Methylene Chloride	U		0.265	1.00	1	08/11/2022 23:46	WG1908799
4-Methyl-2-pentanone (MIBK)	0.417	J	0.400	1.00	1	08/11/2022 23:46	WG1908799
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2022 23:46	WG1908799
Naphthalene	U		0.124	0.500	1	08/11/2022 23:46	WG1908799
n-Propylbenzene	U		0.0472	0.200	1	08/11/2022 23:46	WG1908799
Styrene	U		0.109	0.500	1	08/11/2022 23:46	WG1908799
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2022 23:46	WG1908799
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2022 23:46	WG1908799
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/11/2022 23:46	WG1908799
Tetrachloroethene	U		0.0280	0.100	1	08/11/2022 23:46	WG1908799
Toluene	0.177	J	0.0500	0.200	1	08/11/2022 23:46	WG1908799
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	08/11/2022 23:46	WG1908799
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	08/11/2022 23:46	WG1908799
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2022 23:46	WG1908799

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/12/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Trichloroethene	0.500		0.0160	0.0400	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/11/2022 23:46	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2022 23:46	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2022 23:46	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2022 23:46	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Vinyl chloride	43.8		0.0273	0.100	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Xylenes, Total	U		0.191	0.260	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Ethyl Ether	U		0.0170	0.100	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Iodomethane	U		0.242	0.500	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Allyl chloride	U		0.580	1.00	1	08/11/2022 23:46	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2022 23:46	<a href="#">WG1908799</a>
(S) Toluene-d8	106			75.0-131		08/11/2022 23:46	<a href="#">WG1908799</a>
(S) Toluene-d8	111			75.0-131		08/18/2022 13:24	<a href="#">WG1911828</a>
(S) 4-Bromofluorobenzene	96.4			67.0-138		08/11/2022 23:46	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	103			67.0-138		08/18/2022 13:24	<a href="#">WG1911828</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/11/2022 23:46	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	81.9			70.0-130		08/18/2022 13:24	<a href="#">WG1911828</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		27.4	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Acrylonitrile	U		3.80	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Benzene	U		0.800	2.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Bromobenzene	U		2.10	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Bromodichloromethane	U		1.58	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Bromoform	U		12.0	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Bromomethane	U		7.40	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
n-Butylbenzene	U		7.65	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
sec-Butylbenzene	U		5.05	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
tert-Butylbenzene	U		3.10	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Carbon tetrachloride	U		2.16	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Chlorobenzene	U		1.15	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Chlorodibromomethane	U		0.900	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Chloroethane	U		2.16	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Chloroform	U		0.830	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Chloromethane	U		2.78	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
2-Chlorotoluene	U		1.84	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
4-Chlorotoluene	U		2.26	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2-Dibromoethane	U		1.05	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Dibromomethane	U		2.00	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2-Dichlorobenzene	U		2.90	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,3-Dichlorobenzene	U		3.40	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,4-Dichlorobenzene	U		3.94	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Dichlorodifluoromethane	U		1.64	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1-Dichloroethane	U		1.15	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2-Dichloroethane	U		0.950	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1-Dichloroethene	53.5		1.00	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
cis-1,2-Dichloroethene	468		1.38	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
trans-1,2-Dichloroethene	26.9		2.86	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2-Dichloropropane	U		2.54	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1-Dichloropropene	U		1.40	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,3-Dichloropropane	U		3.50	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
2,2-Dichloropropane	U		1.59	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Di-isopropyl ether	U		0.700	2.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Ethylbenzene	U		1.06	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Isopropylbenzene	U		1.73	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
p-Isopropyltoluene	U		4.66	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
2-Butanone (MEK)	U		25.0	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Methylene Chloride	U		13.3	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Methyl tert-butyl ether	U		0.590	2.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Naphthalene	U		6.20	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
n-Propylbenzene	U		2.36	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Styrene	U		5.45	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
Tetrachloroethene	6140		14.0	50.0	500	08/18/2022 13:43	<a href="#">WG1911828</a>	
Toluene	U		2.50	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>	
1,2,3-Trichlorobenzene	U	UJ	<a href="#">C4</a>	1.25	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,2,4-Trichlorobenzene	U	UJ	<a href="#">C4</a>	9.65	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/12/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		1.77	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Trichloroethene	3240		0.800	2.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Trichlorofluoromethane	U		1.00	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,2,3-Trichloropropane	U		10.2	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Vinyl chloride	13.0		1.36	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Xylenes, Total	U		9.55	13.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Ethyl Ether	U		0.850	5.00	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Tetrahydrofuran	U		4.50	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Iodomethane	U		12.1	25.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Allyl chloride	U		29.0	50.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/12/2022 05:28	<a href="#">WG1908799</a>
(S) Toluene-d8	105			75.0-131		08/12/2022 05:28	<a href="#">WG1908799</a>
(S) Toluene-d8	111			75.0-131		08/18/2022 13:43	<a href="#">WG1911828</a>
(S) 4-Bromofluorobenzene	97.8			67.0-138		08/12/2022 05:28	<a href="#">WG1908799</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/18/2022 13:43	<a href="#">WG1911828</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/12/2022 05:28	<a href="#">WG1908799</a>
(S) 1,2-Dichloroethane-d4	83.5			70.0-130		08/18/2022 13:43	<a href="#">WG1911828</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 9/12/2022

## MEMORANDUM

**TO:** Project File **DATE:** September 15, 2022

**FROM:** Jessie Compeau

**SUBJECT:** Laboratory Data Validation Review

**PROJECT:** American Linen Data Validation

**PROJECT #:** 43022.1413001.10.701.302

**TASK:** EIM Data Validation Level EPA2A for 3rd Quarter Monitoring 2022 – Groundwater Samples – Group 2

**LAB:** Pace Sample Delivery Groups (SDGs): L1524067, L1525066, L1525285, and L1528880

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Forty-four (44) groundwater samples (including three field duplicates), one equipment blank, and two trip blanks were collected as part of the 3rd Quarterly Monitoring Round for 2022 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in August 9-12, and 23, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx) by NWTPH-Gx per the analytical method stipulated by Washington State Department of Ecology;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020B.

Results are reported in multiple SDGs and reviewed in small groups for each data validation report. Group 2 analytical results are reported in four SDGs. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund

Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

## **DATA VALIDATION**

### **Completeness**

All samples were collected and analyzed as requested with the following discussions:

- SDG L1524067: Multiple sample identification revisions were made to the chain of custody (COC) by PES on August 11, 2022, as shown below:

<b>COC Sample Identification</b>	<b>Corrected Sample Identification</b>
MW-108-081022	MW108-081022
MW-109-081022	MW109-081022
MW-113-081022	MW113-081022
MW-115-081022	MW115-081022
MW-116-081022	MW116-081022
MW-126-081022	MW126-081022
MW-105-080922	MW105-080922
MW-111-080922	MW111-080922
MW-112-080922	MW112-080922

Other revisions to the COC included analyses request clarifications and specifying “Grab” as the sampling method. No action is taken other than to note that Pace sample identifications match corrected sample identifications.

- SDG L1525066: Two samples (MW-326-081122 and MW-176-081122) were added to the COC however laboratory notes do not indicate when the changes were made.
- SDG L1525285: Samples FMW-129-081222, MW119-081122, MW110-081122, and TB1-081222 were incorrectly recorded on the COC as **RMW-129-081222**, **MW-119-081122**, **MW-110-081122**, and **Trip Blank**. Field staff noted the discrepancies, confirmed sample details with field notes, and contacted Pace on August 15, 2022, to revise the sample identifications. Pace included a copy of the modified COC with the laboratory report.

### **Sample Collection and Preservation**

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. Samples were received in good condition. No data were qualified based upon the sample collection and preservation information.

## Holding Times

### *USEPA Method 8260D:*

All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

### *NWTPH-Gx Method:*

All samples were analyzed for gasoline within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

### *USEPA Method 6020B:*

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

### *General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), nitrate (48 hours), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met with the following discussion:

- SDG L1524067: Sample MW112-080922, MW-138-080922, MW125-080922, MW-974-080922, and R-MW5-080922 sulfate results are laboratory qualified (T8) to indicate that the samples were analyzed outside of a 48-hour holding time. Sulfate results were evaluated against a 28 day hold time and samples were analyzed within the recommended holding time. No qualifiers are applied on this basis to the sulfate results.

## Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ).** Results reported below the RDL are estimated (J) and bias is not assigned.

- SDGs L1524067 and L1525066 - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory “C4” to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C4) results are estimated with low bias and qualified (J-/UJ).** Results reported below the RDL are estimated (J) and bias is not assigned.
- SDG L1524067 - *USEPA Method 8260D*: Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C5” to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

**Method Blank Results**

*USEPA Method 8260D:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1524067 – Analytical batch WG1912548: Tetrahydrofuran is detected in the method blank at a low level above the RDL. **Associated tetrahydrofuran detection is detected below the RDL in sample MW-336-081022 and is qualified as not detected (U) due to method blank contamination.**

*NWTPH-Gx Method:*

Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) is not detected in the method blank with the following exception:

- SDG L1524067 – Analytical batch WG1910696: Gasoline is detected in the method blank at a low level below the RDL. No action is needed since gasoline is not detected in the associated samples.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

*USEPA Method 6020B and General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
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L1524067	WG1911941	9060A	TOC	215	J	1000	µg/L	NO
L1524067	WG1911943	9060A	TOC	269	J	1000	µg/L	NO
L1525066	WG1911948	9056A	TOC	294	J	1000	µg/L	NO
L1525285	WG1911948	9056A	TOC	294	J	1000	µg/L	NO
L1525285	WG1913003	9056A	TOC	152	J	1000	µg/L	NO
L1528880	WG1919870	9056A	TOC	288	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

### **Trip Blank Results**

#### *USEPA Method 8260D and NWTPH-Gx:*

Two trip blanks (TB1-081222 and TB2-081222) were collected. The target analytes were not detected in the trip blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1525066: Acetone was detected in the trip blank (TB2-081222) at 4.53 µg/L and above the RDL (1.00 µg/L). Sample MW-976-081222, MW-301-081222, MW-158A-081222, MW-325-081122, and MW-326-081122 acetone results are already qualified due to equipment or trip blank contamination. **Sample MW-175-081122, MW-173-081122, and MW-176-081122 acetone results are qualified as non-detected (U) due to equipment or trip blank contamination.**
- SDG L1525066: Toluene was detected in the trip blank (TB2-081222) at 0.129 µg/L and below the RDL (0.200 µg/L). Sample MW102-081222, MW-158A-081222, W-MW-01-081222, and MW-326-081122 toluene results are already qualified due to equipment or trip blank contamination. **Sample MW-175-081122, MW-173-081122, and MW-176-081122 toluene results are detected below the RDL and are qualified as non-detected (U) due to trip blank contamination.**
- SDG L1525285: Acetone was detected in the trip blank (TB1-081222) at 4.37 µg/L and above the RDL (1.00 µg/L). **Sample MW-161-081222, FMW-129-081222, MW-189-081122, MW119-081122, and MW-160-081222 acetone results are qualified as non-detected (U) due to trip blank contamination.**
- SDG L1525285: Toluene was detected in the trip blank (TB1-081222) at 0.123 µg/L and below the RDL (0.200 µg/L). **Sample FMW-129-081222, MW-189-081122, and MW-977-081222 toluene results are detected below the RDL and are qualified as non-detected (U) due to trip blank contamination.**

### **Field, Rinsate, or Equipment Blank Results**

One equipment blank (EQ-081222) was collected. Details are as follows:

SDG L1525066: The equipment blank (EQ-081222) is associated with samples MW102-081222, MW-976-081222, MW-301-081222, MW-158A-081222, W-MW-01-081222, MW-325-081122, and MW-326-081122 collected from the bladder pump on August 11-12, 2022. Low

levels of chloride, nitrate, manganese, and methane are detected in the equipment blank. Low levels of VOCs (acetone, benzene, cis-1,2-dichloroethene, 2-butanone (MEK), tetrachloroethene, toluene, trichloroethene, and tetrahydrofuran) are detected in the equipment blank. Per Guidance, for common laboratory contaminants, if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detected (U). Actions are as follows:

- Chloride and nitrate were detected in the equipment blank above the RDL. No action is needed since chloride and nitrate are detected significantly above the RDL in the associated samples.
- Manganese is detected in the equipment blank below the RDL. No action is needed since manganese is detected significantly above the RDL in the associated samples.
- Acetone was detected in the equipment blank at 8.68 µg/L and above the RDL (1.00 µg/L). **Sample MW-976-081222, MW-301-081222, MW-158A-081222, MW-325-081122, and MW-326-081122 acetone results are qualified as non-detected (U) due to equipment and/or trip blank contamination.**
- Benzene was detected in the equipment blank at 0.05 µg/L and above the RDL (1.00 µg/L). **Sample W-MW-01-081222 benzene result is qualified as non-detected (U) due to equipment blank contamination.**
- cis-1,2-Dichloroethene is detected in the equipment blank above the RDL. **Sample MW-976-081222 cis-1,2-dichloroethene result is qualified as non-detected (U) due to equipment blank contamination.**
- MEK is detected in the equipment blank above the RDL. No action is needed since MEK is not detected in the associated samples.
- Toluene is detected in the equipment blank below the RDL. **Sample MW102-081222, MW-158A-081222, W-MW-01-081222, and MW-326-081122 toluene results are qualified as non-detected (U) due to equipment and/or trip blank contamination.**
- Tetrachloroethene is detected in the equipment blank at 0.238 µg/L above the RDL (0.100 µg/L). No action is needed since tetrachloroethene is detected above the blank level or was not detected.
- Tetrahydrofuran is detected in the equipment blank above the RDL. **Sample MW-158A-081222, MW-325-081122, and MW-326-081122 tetrahydrofuran results are qualified as non-detected (U) due to equipment blank contamination.**
- Trichloroethene is detected in the equipment blank above the RDL. **Sample MW-976-081222, MW-301-081222, and W-MW-01-081222 trichloroethene results are qualified as non-detected (U) due to equipment blank contamination.**

## Field Duplicate Analyses

Field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L1524067: Samples MW125-080922 and MW-974-080922
- SDG L1524067: Samples BB-8-080922 and MW-975-080922
- SDGs L1525066 and L1525285: Samples W-MW-01-081222 and MW-977-081222

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pairs with the following exceptions:

- SDG L1524067: Samples MW125-080922 and MW-974-080922 - Methane RPD exceeds criteria for field duplicate pair. **Methane results for samples MW125-080922 and MW-974-080922 are estimated and qualified (J).**
- SDG L1524067: Samples BB-8-080922 and MW-975-080922 - Acetone RPD exceeds criteria for field duplicate pair. **Acetone results for samples BB-8-080922 and MW-975-080922 are estimated and qualified (J).**
- SDGs L1525066 and L1525285: Samples W-MW-01-081222 and MW-977-081222 - Acetone RPD exceeds criteria for field duplicate pair. **Acetone results for samples W-MW-01-081222 and MW-977-081222 are estimated and qualified (J).**

## Laboratory Duplicate Analyses

### *USEPA Method 8260D:*

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

### *NWTPH-Gx Method:*

Laboratory duplicate samples were not analyzed. Refer to field duplicate results associated with SDG L1522618 for precision data.

### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

### *USEPA Method 6020B:*

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

### *General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*



Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or  $\pm 1x$  RDL for groundwater results  $<5X$  the RDL.

### **Surrogate Recoveries**

#### *USEPA Method 8260D:*

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

#### *NWTPH-Gx Method:*

The surrogate recovery results for the samples, laboratory control sample, and the blank are within the laboratory surrogate control limits.

### **Laboratory Control Samples**

#### *USEPA Method 8260D:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1524067- Analytical batch WG1912548: LCS/LCSD RPD for chloromethane is above criteria and laboratory qualified (J3). No action is taken since recoveries are within criteria.
- SDG L1524067 - Analytical batch WG1911636: LCS recoveries for bromobenzene and 1,2,3-trichloropropane are above laboratory criteria and laboratory qualified (J4). No action needed since these compounds are not detected in the associated samples.
- SDG L1528880 - Analytical batch WG1920159: LCS/LCSD recoveries for naphthalene are above laboratory criteria and laboratory qualified (J4). No action needed since these compounds are not detected in the associated samples.
- SDG L1528880 - Analytical batch WG1920159: LCS/LCSD RPDs are above criteria for 2-butanone (MEK), tetrahydrofuran, and trans-1,4-dichloro-2-butene and laboratory qualified (J3). No action needed since the recoveries are within criteria but were recovered wide.

#### *NWTPH-Gx Method:*

LCSs were analyzed by the NWTPH-Gx method along with the analytical batch. The LCS %R for gasoline is within the laboratory control criteria. For precision data refer to field duplicate results.

#### *Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

*USEPA Method 6020B:*

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

**Matrix Spike/Matrix Spike Duplicates**

*USEPA Method 8260D:*

MS/MSD analyses were performed on a non-client sample within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1525285– Analytical batch WG1913607: RPDs for multiple target compounds are outside of criteria and laboratory qualified (J3). No action is needed since the MS/MSD was performed on a non-client sample. Refer to LCS/LCSD results for precision and accuracy results.
- SDG L1528880– Analytical batch WG1920159: MS/MSD recoveries and RPDs for multiple target compounds are outside of criteria and laboratory qualified (J3, J5, or V). No action is needed since the MS/MSD was performed on a non-client sample. Refer to LCS/LCSD results for precision and accuracy results.

*NWTPH-Gx Method:*

MS/MSD analyses associated with SDG L1524067 was performed on a non-client sample within the analytical batch. MS/MSD % Rs are acceptable but were recovered wide with an elevated RPD and laboratory qualified (J3). No action is taken other than to note that the recoveries are acceptable. Refer to LCS and field duplicate results for QC information.

*Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1528880: MS/MSD methane recoveries are below criteria. No action is needed since the MS/MSD was performed on a non-client sample. Refer to LCS and laboratory duplicate results for QC information.

*USEPA Method 6020B:*

MS/MSD analyses were performed on client and on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1524067: MS/MSDs for manganese were performed on sample MW108-081022. MS/MSD recoveries are below acceptance criteria however no action is taken since the

sample amount is greater than four times the spike amount. Refer to LCS and laboratory duplicate results for QC data.

- SDG L1525066: MS/MSDs for metals were performed on non-client samples within the analytical batches. MS/MSD recoveries are below acceptance criteria and laboratory qualified (V). No action is needed since the spike was performed on a non-client sample. Refer to LCS and field duplicate results for QC data.

*General Chemistry (Alkalinity, Chloride, Nitrate, Sulfate, and TOC):*

MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDGs L1525066 and L1525285: MS/MSD for TOC was performed on sample W-MW-01-081222 (SDG L1525066). TOC MS/MSD recoveries are above control limit criteria and laboratory qualified (J5). **TOC results for sample W-MW-01-081222 and respective field duplicate sample MW-977-081222 are estimated high and qualified (J+) due to high matrix spike recoveries.**
- SDGs L1524067, L1525066, L1525285: MS/MSDs for TOC, were performed on non-client samples within the analytical batches. MS/MSD recoveries are below acceptance criteria and laboratory qualified (J5 and/or J3). No action is needed since the spike was performed on non-client samples. Refer to LCS and laboratory duplicate results for QC data.

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussions:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.
- SDG L1525066: Sample narrative for sample MW-174-081122 indicates that target compounds are too high to run a lower dilution.
- SDG L1525285: Sample narratives for samples MW110-081122 and MW-143-081222 indicate that target compounds are too high to run a lower dilution.

## **Compound Identification and Quantitation Limits**

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. No action is taken other than to note this.

## **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	31100		594	5000	1	08/11/2022 15:10	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4540		102	1000	1	08/17/2022 21:24	<a href="#">WG1911941</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13100		28.1	100	1	08/16/2022 17:54	<a href="#">WG1910286</a>
Manganese	1560		0.704	5.00	1	08/16/2022 17:54	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3590		0.287	0.678	1	08/12/2022 11:34	<a href="#">WG1909775</a>
Ethane	35.0		0.296	1.29	1	08/12/2022 11:34	<a href="#">WG1909775</a>
Ethene	6.27		0.422	1.27	1	08/12/2022 11:34	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		27.4	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Acrylonitrile	U		3.80	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Benzene	2.30		0.800	2.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Bromobenzene	U	J4	2.10	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Bromodichloromethane	U		1.58	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Bromoform	U		12.0	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Bromomethane	U		7.40	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
n-Butylbenzene	U		7.65	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
sec-Butylbenzene	U		5.05	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
tert-Butylbenzene	U		3.10	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Carbon tetrachloride	U		2.16	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Chlorobenzene	U		1.15	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.900	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Chloroethane	U		2.16	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Chloroform	U		0.830	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Chloromethane	U		2.78	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
2-Chlorotoluene	U		1.84	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
4-Chlorotoluene	U		2.26	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		1.05	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Dibromomethane	U		2.00	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		2.90	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		3.40	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		3.94	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		1.64	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		1.15	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.950	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		1.00	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	531		1.38	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		2.86	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		2.54	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>

JC 9/15/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		1.40	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,3-Dichloropropane	U		3.50	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
2,2-Dichloropropane	U		1.59	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Di-isopropyl ether	U		0.700	2.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Ethylbenzene	U		1.06	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Isopropylbenzene	U		1.73	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
p-Isopropyltoluene	U		4.66	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
2-Butanone (MEK)	U		25.0	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Methylene Chloride	U		13.3	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Methyl tert-butyl ether	U		0.590	2.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Naphthalene	18.5	<u>J</u>	6.20	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
n-Propylbenzene	U		2.36	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Styrene	U		5.45	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Tetrachloroethene	115	J+ <u>C5</u>	1.40	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Toluene	U		2.50	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2,3-Trichlorobenzene	U		1.25	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2,4-Trichlorobenzene	U		9.65	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1,1-Trichloroethane	U		0.550	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,1,2-Trichloroethane	U		1.77	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Trichloroethene	42.6		0.800	2.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Trichlorofluoromethane	U		1.00	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2,3-Trichloropropane	U	<u>J4</u>	10.2	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Vinyl chloride	118		1.36	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Xylenes, Total	U		9.55	13.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Ethyl Ether	U		0.850	5.00	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Tetrahydrofuran	U		4.50	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Iodomethane	U		12.1	25.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Allyl chloride	U		29.0	50.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/16/2022 18:23	<a href="#">WG1911636</a>
(S) Toluene-d8	112			75.0-131		08/16/2022 18:23	<a href="#">WG1911636</a>
(S) 4-Bromofluorobenzene	76.1			67.0-138		08/16/2022 18:23	<a href="#">WG1911636</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 18:23	<a href="#">WG1911636</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1320	J	594	5000	1	08/11/2022 15:25	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1190	B	102	1000	1	08/17/2022 21:40	WG1911941

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	181		28.1	100	1	08/16/2022 18:07	WG1910286
Manganese	13.1		0.704	5.00	1	08/16/2022 18:07	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	08/12/2022 11:40	WG1909775
Ethane	U		0.296	1.29	1	08/12/2022 11:40	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 11:40	WG1909775

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.51	J+ C5	0.548	1.00	1	08/16/2022 14:31	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 14:31	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 14:31	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 14:31	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 14:31	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 14:31	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 14:31	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 14:31	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 14:31	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 14:31	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 14:31	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 14:31	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 14:31	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 14:31	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 14:31	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 14:31	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 14:31	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 14:31	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 14:31	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 14:31	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 14:31	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 14:31	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 14:31	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
cis-1,2-Dichloroethene	10.8		0.0276	0.100	1	08/16/2022 14:31	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 14:31	WG1911636

JC 9/15/2022

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 14:31	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 14:31	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 14:31	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 14:31	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 14:31	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 14:31	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 14:31	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 14:31	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 14:31	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 14:31	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 14:31	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 14:31	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 14:31	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 14:31	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 14:31	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 14:31	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 14:31	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 14:31	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 14:31	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 14:31	WG1911636
Toluene	0.0750	U	0.0500	0.200	1	08/16/2022 14:31	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 14:31	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 14:31	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 14:31	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 14:31	WG1911636
Trichloroethene	0.613		0.0160	0.0400	1	08/16/2022 14:31	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 14:31	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 14:31	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 14:31	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Vinyl chloride	0.887		0.0273	0.100	1	08/16/2022 14:31	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 14:31	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 14:31	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 14:31	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 14:31	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 14:31	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 14:31	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 14:31	WG1911636
(S) 4-Bromofluorobenzene	75.6			67.0-138		08/16/2022 14:31	WG1911636
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/16/2022 14:31	WG1911636

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	52700		594	5000	1	08/11/2022 15:40	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	16900		102	1000	1	08/18/2022 18:25	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	8350		28.1	100	1	08/16/2022 18:10	<a href="#">WG1910286</a>
Manganese	683		0.704	5.00	1	08/16/2022 18:10	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	2620		0.287	0.678	1	08/12/2022 11:44	<a href="#">WG1909775</a>
Ethane	60.3		0.296	1.29	1	08/12/2022 11:44	<a href="#">WG1909775</a>
Ethene	34.5		0.422	1.27	1	08/12/2022 11:44	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Acetone	U		54.8	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Acrylonitrile	U		7.60	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Benzene	3.80	J	1.60	4.00	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Bromobenzene	U		4.20	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Bromodichloromethane	U		3.15	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Bromoform	U		23.9	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Bromomethane	U		14.8	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
n-Butylbenzene	U		15.3	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
sec-Butylbenzene	U		10.1	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
tert-Butylbenzene	U		6.20	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Carbon tetrachloride	U		4.32	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Chlorobenzene	U		2.29	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Chlorodibromomethane	U		1.80	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Chloroethane	U		4.32	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Chloroform	2.90	J	1.66	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Chloromethane	U	UJ	<del>C3</del>	5.56	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
2-Chlorotoluene	U		3.68	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
4-Chlorotoluene	U		4.52	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,2-Dibromoethane	U		2.10	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Dibromomethane	U		4.00	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,2-Dichlorobenzene	U		5.80	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,3-Dichlorobenzene	U		6.80	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,4-Dichlorobenzene	U		7.88	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
Dichlorodifluoromethane	U		3.27	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,1-Dichloroethane	U		2.30	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
1,2-Dichloroethane	4.90	J	<del>C3</del> J	1.90	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1-Dichloroethene	8.10	J		2.00	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
cis-1,2-Dichloroethene	3790		2.76	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	
trans-1,2-Dichloroethene	14.0	J		5.72	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2-Dichloropropane	U		5.08	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>	

JC 9/15/2022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		2.80	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,3-Dichloropropane	U		7.00	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
2,2-Dichloropropane	U		3.17	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Di-isopropyl ether	1.80	U	1.40	4.00	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Ethylbenzene	2.80	U	2.12	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Hexachloro-1,3-butadiene	U		50.8	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Isopropylbenzene	U		3.45	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
p-Isopropyltoluene	U		9.32	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
2-Butanone (MEK)	U		50.0	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Methylene Chloride	U		26.5	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Methyl tert-butyl ether	1.60	U	1.18	4.00	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Naphthalene	48.3	U	12.4	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
n-Propylbenzene	U		4.72	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Styrene	U		10.9	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Tetrachloroethene	14.4		2.80	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Toluene	U		5.00	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2,3-Trichlorobenzene	U		2.50	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2,4-Trichlorobenzene	U		19.3	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1,1-Trichloroethane	1.50	U	1.10	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,1,2-Trichloroethane	U		3.53	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Trichloroethene	10.9		1.60	4.00	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Trichlorofluoromethane	U		2.00	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2,3-Trichloropropane	U		20.4	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Vinyl chloride	73.6		2.73	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Xylenes, Total	U		19.1	26.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Ethyl Ether	U		1.70	10.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Tetrahydrofuran	U		9.00	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Iodomethane	U		24.2	50.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Allyl chloride	U		58.0	100	100	08/18/2022 19:13	<a href="#">WG1912548</a>
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/18/2022 19:13	<a href="#">WG1912548</a>
(S) Toluene-d8	109			75.0-131		08/18/2022 19:13	<a href="#">WG1912548</a>
(S) 4-Bromofluorobenzene	102			67.0-138		08/18/2022 19:13	<a href="#">WG1912548</a>
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		08/18/2022 19:13	<a href="#">WG1912548</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	36200		594	5000	1	08/11/2022 15:55	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	6030		102	1000	1	08/18/2022 19:02	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

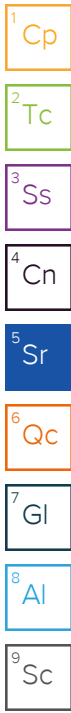
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	4670		28.1	100	1	08/16/2022 18:13	<a href="#">WG1910286</a>
Manganese	938		0.704	5.00	1	08/16/2022 18:13	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	668		0.287	0.678	1	08/12/2022 11:49	<a href="#">WG1909775</a>
Ethane	3.31		0.296	1.29	1	08/12/2022 11:49	<a href="#">WG1909775</a>
Ethene	U		0.422	1.27	1	08/12/2022 11:49	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	10.4	J+ C5	0.548	1.00	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Benzene	U		0.0160	0.0400	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 14:50	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	0.121		0.0276	0.100	1	08/16/2022 14:50	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 14:50	<a href="#">WG1911636</a>



JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 14:50	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 14:50	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 14:50	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 14:50	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 14:50	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 14:50	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 14:50	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 14:50	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 14:50	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 14:50	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 14:50	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 14:50	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 14:50	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 14:50	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 14:50	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 14:50	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 14:50	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 14:50	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 14:50	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 14:50	WG1911636
Tetrachloroethene	0.0520	U	0.0280	0.100	1	08/16/2022 14:50	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 14:50	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 14:50	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 14:50	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 14:50	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 14:50	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 14:50	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 14:50	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 14:50	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 14:50	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 14:50	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 14:50	WG1911636
Vinyl chloride	0.330		0.0273	0.100	1	08/16/2022 14:50	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 14:50	WG1911636
Ethyl Ether	0.129		0.0170	0.100	1	08/16/2022 14:50	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 14:50	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 14:50	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 14:50	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 14:50	WG1911636
(S) Toluene-d8	109			75.0-131		08/16/2022 14:50	WG1911636
(S) 4-Bromofluorobenzene	74.3			67.0-138		08/16/2022 14:50	WG1911636
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/16/2022 14:50	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	9720		594	5000	1	08/11/2022 16:10	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	5750		102	1000	1	08/18/2022 20:10	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	3440		28.1	100	1	08/16/2022 18:16	<a href="#">WG1910286</a>
Manganese	686		0.704	5.00	1	08/16/2022 18:16	<a href="#">WG1910286</a>

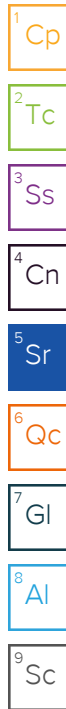
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3190		0.287	0.678	1	08/12/2022 11:54	<a href="#">WG1909775</a>
Ethane	0.460	J	0.296	1.29	1	08/12/2022 11:54	<a href="#">WG1909775</a>
Ethene	U		0.422	1.27	1	08/12/2022 11:54	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.97	J+ C5	0.548	1.00	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Benzene	U		0.0160	0.0400	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:10	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 15:10	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:10	<a href="#">WG1911636</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 15:10	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:10	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:10	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:10	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:10	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:10	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:10	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:10	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:10	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:10	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:10	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:10	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:10	WG1911636
Methyl tert-butyl ether	0.0480		0.0118	0.0400	1	08/16/2022 15:10	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:10	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:10	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:10	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:10	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:10	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:10	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 15:10	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 15:10	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:10	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:10	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:10	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:10	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 15:10	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:10	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:10	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:10	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:10	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:10	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:10	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:10	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:10	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:10	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:10	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:10	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:10	WG1911636
(S) Toluene-d8	102			75.0-131		08/16/2022 15:10	WG1911636
(S) 4-Bromofluorobenzene	76.9			67.0-138		08/16/2022 15:10	WG1911636
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/16/2022 15:10	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2620	J	594	5000	1	08/11/2022 18:27	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2570		102	1000	1	08/18/2022 20:27	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

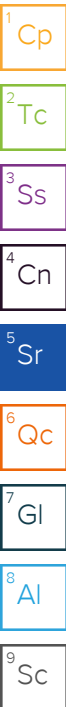
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	41.2	J	28.1	100	1	08/16/2022 18:26	<a href="#">WG1910286</a>
Manganese	37.0		0.704	5.00	1	08/16/2022 18:26	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	08/12/2022 11:57	<a href="#">WG1909775</a>
Ethane	U		0.296	1.29	1	08/12/2022 11:57	<a href="#">WG1909775</a>
Ethene	U		0.422	1.27	1	08/12/2022 11:57	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.36	J+ C5	0.548	1.00	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Benzene	U		0.0160	0.0400	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:29	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	08/16/2022 15:29	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:29	<a href="#">WG1911636</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 15:29	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:29	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:29	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:29	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:29	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:29	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:29	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:29	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:29	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:29	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:29	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:29	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:29	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 15:29	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:29	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:29	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:29	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:29	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:29	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:29	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 15:29	WG1911636
Toluene	0.0790	U	0.0500	0.200	1	08/16/2022 15:29	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:29	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:29	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:29	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:29	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 15:29	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:29	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:29	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:29	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:29	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:29	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:29	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:29	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:29	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:29	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:29	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:29	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:29	WG1911636
(S) Toluene-d8	108			75.0-131		08/16/2022 15:29	WG1911636
(S) 4-Bromofluorobenzene	74.6			67.0-138		08/16/2022 15:29	WG1911636
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 15:29	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Acrylonitrile	U		0.760	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Benzene	0.410		0.160	0.400	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Bromobenzene	U		0.420	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Bromodichloromethane	U		0.315	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Bromoform	U		2.39	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Bromomethane	U		1.48	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
n-Butylbenzene	U		1.53	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
sec-Butylbenzene	U		1.01	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
tert-Butylbenzene	U		0.620	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Carbon tetrachloride	U		0.432	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Chlorobenzene	U		0.229	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Chlorodibromomethane	U		0.180	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Chloroethane	U		0.432	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Chloroform	U		0.166	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Chloromethane	U	UJ C3 J3-	0.556	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
2-Chlorotoluene	U		0.368	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
4-Chlorotoluene	U		0.452	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Dibromomethane	U		0.400	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Dichlorodifluoromethane	U		0.327	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2-Dichloroethane	U	UJ C3	0.190	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1-Dichloroethene	0.790	J	0.200	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
cis-1,2-Dichloroethene	369		0.276	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
trans-1,2-Dichloroethene	1.67	J	0.572	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2-Dichloropropane	U		0.508	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1-Dichloropropene	U		0.280	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,3-Dichloropropane	U		0.700	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
2,2-Dichloropropane	U		0.317	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Di-isopropyl ether	U		0.140	0.400	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Ethylbenzene	U		0.212	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Isopropylbenzene	U		0.345	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
p-Isopropyltoluene	U		0.932	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
2-Butanone (MEK)	U		5.00	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Methylene Chloride	U		2.65	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Methyl tert-butyl ether	U		0.118	0.400	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Naphthalene	U		1.24	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
n-Propylbenzene	U		0.472	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Styrene	U		1.09	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Tetrachloroethene	133		0.280	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Toluene	U		0.500	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2,3-Trichlorobenzene	U		0.250	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Trichloroethene	173		0.160	0.400	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Trichlorofluoromethane	U		0.200	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Vinyl chloride	U		0.273	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Xylenes, Total	U		1.91	2.60	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Ethyl Ether	U		0.170	1.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Tetrahydrofuran	U		0.900	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Iodomethane	U		2.42	5.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Allyl chloride	U		5.80	10.0	10	08/18/2022 19:32	<a href="#">WG1912548</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/18/2022 19:32	<a href="#">WG1912548</a>
(S) Toluene-d8	108			75.0-131		08/18/2022 19:32	<a href="#">WG1912548</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/18/2022 19:32	<a href="#">WG1912548</a>
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		08/18/2022 19:32	<a href="#">WG1912548</a>

1  
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.83		0.548	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Acrylonitrile	U		0.0760	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Benzene	U		0.0160	0.0400	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Bromobenzene	U		0.0420	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Bromodichloromethane	U		0.0315	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Bromoform	U		0.239	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Bromomethane	U		0.148	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
n-Butylbenzene	U		0.153	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
sec-Butylbenzene	U		0.101	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Chlorobenzene	U		0.0229	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Chloroethane	U		0.0432	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Chloroform	0.0460	J	0.0166	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Chloromethane	U	UJ C3 J3	0.0556	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Dibromomethane	U		0.0400	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2-Dichloroethane	U	UJ C3	0.0190	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
cis-1,2-Dichloroethene	23.2		0.0276	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
trans-1,2-Dichloroethene	0.129	J	0.0572	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Ethylbenzene	U		0.0212	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Isopropylbenzene	U		0.0345	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Methylene Chloride	U		0.265	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Naphthalene	U		0.124	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
n-Propylbenzene	U		0.0472	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Styrene	U		0.109	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Tetrachloroethene	0.0320	J	0.0280	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Toluene	U		0.0500	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Trichloroethene	0.891		0.0160	0.0400	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Vinyl chloride	U		0.0273	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Xylenes, Total	U		0.191	0.260	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Ethyl Ether	U		0.0170	0.100	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Tetrahydrofuran	0.336	U	<del>BJ</del>	0.0900	0.500	08/18/2022 17:40	<a href="#">WG1912548</a>
Iodomethane	U		0.242	0.500	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Allyl chloride	U		0.580	1.00	1	08/18/2022 17:40	<a href="#">WG1912548</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/18/2022 17:40	<a href="#">WG1912548</a>
(S) Toluene-d8	112			75.0-131		08/18/2022 17:40	<a href="#">WG1912548</a>
(S) 4-Bromofluorobenzene	98.4			67.0-138		08/18/2022 17:40	<a href="#">WG1912548</a>
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 17:40	<a href="#">WG1912548</a>

1  
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	3980	J	594	5000	1	08/11/2022 13:03	<a href="#">WG1909103</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9420		102	1000	1	08/18/2022 04:01	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

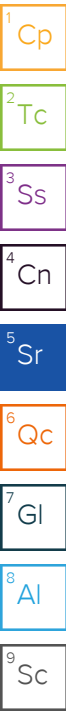
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	135		28.1	100	1	08/16/2022 18:29	<a href="#">WG1910286</a>
Manganese	75.1		0.704	5.00	1	08/16/2022 18:29	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	83.7		0.287	0.678	1	08/12/2022 11:59	<a href="#">WG1909775</a>
Ethane	0.764	J	0.296	1.29	1	08/12/2022 11:59	<a href="#">WG1909775</a>
Ethene	12.0		0.422	1.27	1	08/12/2022 11:59	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.1	J+ C5	0.548	1.00	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Benzene	0.0700		0.0160	0.0400	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:48	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	0.196		0.0276	0.100	1	08/16/2022 15:48	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:48	<a href="#">WG1911636</a>



JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 15:48	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:48	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:48	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:48	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:48	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:48	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:48	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:48	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:48	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:48	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:48	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:48	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:48	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 15:48	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:48	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:48	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:48	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:48	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:48	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:48	WG1911636
Tetrachloroethene	0.131	J+ C5	0.0280	0.100	1	08/16/2022 15:48	WG1911636
Toluene	0.0950	J	0.0500	0.200	1	08/16/2022 15:48	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:48	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:48	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:48	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:48	WG1911636
Trichloroethene	0.258		0.0160	0.0400	1	08/16/2022 15:48	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:48	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:48	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:48	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:48	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:48	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:48	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:48	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:48	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:48	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:48	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:48	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:48	WG1911636
(S) Toluene-d8	108			75.0-131		08/16/2022 15:48	WG1911636
(S) 4-Bromofluorobenzene	80.6			67.0-138		08/16/2022 15:48	WG1911636
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/16/2022 15:48	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	15400		594	5000	1	08/11/2022 13:26	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1470	<del>B</del>	102	1000	1	08/18/2022 04:34	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1110		28.1	100	1	08/16/2022 18:33	<a href="#">WG1910286</a>
Manganese	244		0.704	5.00	1	08/16/2022 18:33	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	205		0.287	0.678	1	08/12/2022 12:05	<a href="#">WG1909775</a>
Ethane	15.9		0.296	1.29	1	08/12/2022 12:05	<a href="#">WG1909775</a>
Ethene	3.55		0.422	1.27	1	08/12/2022 12:05	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	7.30	J+ C5	0.548	1.00	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Benzene	0.0260	J	0.0160	0.0400	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:07	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,1-Dichloroethene	0.0340	J	0.0200	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	1.74		0.0276	0.100	1	08/16/2022 16:07	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:07	<a href="#">WG1911636</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 16:07	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:07	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:07	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:07	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:07	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:07	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:07	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:07	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:07	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:07	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:07	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:07	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:07	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:07	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:07	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:07	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:07	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:07	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:07	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:07	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 16:07	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 16:07	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:07	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:07	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:07	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:07	WG1911636
Trichloroethene	0.0600		0.0160	0.0400	1	08/16/2022 16:07	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:07	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 16:07	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:07	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:07	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:07	WG1911636
Vinyl chloride	15.1		0.0273	0.100	1	08/16/2022 16:07	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:07	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:07	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:07	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:07	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:07	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:07	WG1911636
(S) Toluene-d8	112			75.0-131		08/16/2022 16:07	WG1911636
(S) 4-Bromofluorobenzene	69.3			67.0-138		08/16/2022 16:07	WG1911636
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/16/2022 16:07	WG1911636

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	19900	<del>T8</del>	594	5000	1	08/11/2022 20:26	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3640		102	1000	1	08/18/2022 04:51	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1080		28.1	100	1	08/16/2022 18:36	<a href="#">WG1910286</a>
Manganese	184		0.704	5.00	1	08/16/2022 18:36	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	123		0.287	0.678	1	08/12/2022 12:09	<a href="#">WG1909775</a>
Ethane	2.69		0.296	1.29	1	08/12/2022 12:09	<a href="#">WG1909775</a>
Ethene	1.95		0.422	1.27	1	08/12/2022 12:09	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.53	J+ C5	0.548	1.00	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Benzene	0.0320	J	0.0160	0.0400	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:27	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 16:27	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:27	<a href="#">WG1911636</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 16:27	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:27	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:27	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:27	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:27	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:27	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:27	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:27	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:27	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:27	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:27	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:27	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:27	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:27	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:27	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:27	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:27	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:27	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:27	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:27	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 16:27	WG1911636
Toluene	0.122	U	0.0500	0.200	1	08/16/2022 16:27	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:27	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:27	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:27	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:27	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 16:27	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:27	WG1911636
1,2,3-Trichloropropane	U	<del>U</del>	0.204	0.500	1	08/16/2022 16:27	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:27	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:27	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:27	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 16:27	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:27	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:27	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:27	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:27	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:27	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:27	WG1911636
(S) Toluene-d8	107			75.0-131		08/16/2022 16:27	WG1911636
(S) 4-Bromofluorobenzene	79.9			67.0-138		08/16/2022 16:27	WG1911636
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 16:27	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	7120	<del>T8</del>	594	5000	1	08/11/2022 20:41	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1700	<del>B</del>	102	1000	1	08/18/2022 05:54	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	70.8	J	28.1	100	1	08/16/2022 18:39	<a href="#">WG1910286</a>
Manganese	37.9		0.704	5.00	1	08/16/2022 18:39	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	08/12/2022 12:16	<a href="#">WG1909775</a>
Ethane	U		0.296	1.29	1	08/12/2022 12:16	<a href="#">WG1909775</a>
Ethene	U		0.422	1.27	1	08/12/2022 12:16	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	4.08	J+ C5	0.548	1.00	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Benzene	U		0.0160	0.0400	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:46	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 16:46	<a href="#">WG1911636</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:46	<a href="#">WG1911636</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 16:46	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:46	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:46	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:46	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:46	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:46	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:46	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:46	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:46	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:46	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:46	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:46	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:46	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:46	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:46	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:46	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:46	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:46	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:46	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:46	WG1911636
Tetrachloroethene	0.0370	U	0.0280	0.100	1	08/16/2022 16:46	WG1911636
Toluene	0.117	U	0.0500	0.200	1	08/16/2022 16:46	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:46	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:46	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:46	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:46	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 16:46	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:46	WG1911636
1,2,3-Trichloropropane	U	U	0.204	0.500	1	08/16/2022 16:46	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:46	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:46	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:46	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 16:46	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:46	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:46	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:46	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:46	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:46	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:46	WG1911636
(S) Toluene-d8	104			75.0-131		08/16/2022 16:46	WG1911636
(S) 4-Bromofluorobenzene	82.9			67.0-138		08/16/2022 16:46	WG1911636
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/16/2022 16:46	WG1911636

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/15/2022

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1240	<del>J</del> <del>Fe</del>	594	5000	1	08/11/2022 20:56	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7750		102	1000	1	08/18/2022 06:12	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		28.1	100	1	08/16/2022 18:42	<a href="#">WG1910286</a>
Manganese	3230		0.704	5.00	1	08/16/2022 18:42	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 07:33	<a href="#">WG1910696</a>
(S) a,a,a-Trifluorotoluene(FID)	98.4			78.0-120		08/15/2022 07:33	<a href="#">WG1910696</a>

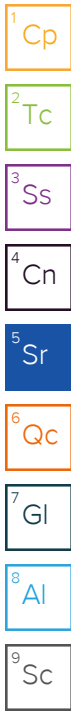
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4050	J	0.287	0.678	1	08/12/2022 12:18	<a href="#">WG1909775</a>
Ethane	1.56		0.296	1.29	1	08/12/2022 12:18	<a href="#">WG1909775</a>
Ethene	U		0.422	1.27	1	08/12/2022 12:18	<a href="#">WG1909775</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Benzene	U		0.0160	0.0400	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Bromobenzene	U	<del>J4</del>	0.0420	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:05	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:05	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:05	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:05	<a href="#">WG1911636</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:05	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:05	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:05	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:05	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 17:05	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:05	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:05	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:05	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:05	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:05	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:05	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:05	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:05	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:05	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:05	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:05	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:05	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:05	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:05	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:05	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:05	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:05	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:05	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:05	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:05	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:05	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:05	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:05	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:05	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:05	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:05	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:05	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:05	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
1,2,3-Trichloropropane	U	14	0.204	0.500	1	08/16/2022 17:05	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:05	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:05	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:05	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 17:05	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:05	WG1911636
Ethyl Ether	0.0360	U	0.0170	0.100	1	08/16/2022 17:05	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:05	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:05	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:05	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:05	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:05	WG1911636
(S) 4-Bromofluorobenzene	76.9			67.0-138		08/16/2022 17:05	WG1911636
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/16/2022 17:05	WG1911636

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	1490	J Fe	594	5000	1	08/11/2022 21:11	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7840		102	1000	1	08/18/2022 06:30	WG1911943

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	10200		28.1	100	1	08/16/2022 18:46	WG1910286
Manganese	3310		0.704	5.00	1	08/16/2022 18:46	WG1910286

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 07:54	WG1910696
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		08/15/2022 07:54	WG1910696

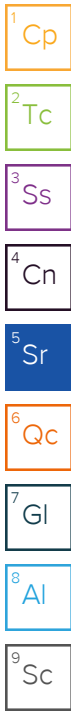
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	5580	J	0.287	0.678	1	08/12/2022 12:54	WG1909777
Ethane	1.93		0.296	1.29	1	08/12/2022 12:54	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 12:54	WG1909777

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	08/16/2022 17:24	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:24	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 17:24	WG1911636
Bromobenzene	U	14	0.0420	0.500	1	08/16/2022 17:24	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:24	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 17:24	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 17:24	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:24	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:24	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:24	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:24	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:24	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 17:24	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:24	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:24	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:24	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:24	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:24	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:24	WG1911636

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:24	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:24	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:24	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:24	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 17:24	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:24	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:24	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:24	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:24	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:24	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:24	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:24	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:24	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:24	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:24	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:24	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:24	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:24	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:24	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:24	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:24	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:24	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:24	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:24	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:24	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:24	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:24	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:24	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:24	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:24	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:24	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:24	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
1,2,3-Trichloropropane	U	14	0.204	0.500	1	08/16/2022 17:24	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:24	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:24	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 17:24	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:24	WG1911636
Ethyl Ether	0.0390	U	0.0170	0.100	1	08/16/2022 17:24	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:24	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:24	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:24	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:24	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:24	WG1911636
(S) 4-Bromofluorobenzene	78.1			67.0-138		08/16/2022 17:24	WG1911636
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/16/2022 17:24	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	26600		594	5000	1	08/11/2022 12:39	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4720		102	1000	1	08/18/2022 07:27	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	15600		28.1	100	1	08/16/2022 18:49	<a href="#">WG1910286</a>
Manganese	3020		0.704	5.00	1	08/16/2022 18:49	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 08:16	<a href="#">WG1910696</a>
(S) a,a,a-Trifluorotoluene(FID)	94.3			78.0-120		08/15/2022 08:16	<a href="#">WG1910696</a>

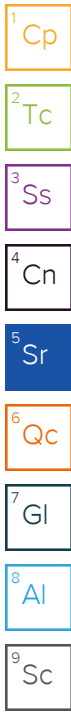
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	255		0.287	0.678	1	08/12/2022 12:58	<a href="#">WG1909777</a>
Ethane	1.74		0.296	1.29	1	08/12/2022 12:58	<a href="#">WG1909777</a>
Ethene	U		0.422	1.27	1	08/12/2022 12:58	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	6.85	J+ C5	0.548	1.00	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Benzene	0.0400	J	0.0160	0.0400	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Bromoform	U		0.239	1.00	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Bromomethane	U		0.148	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Chloroform	U		0.0166	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:44	<a href="#">WG1911636</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:44	<a href="#">WG1911636</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:44	<a href="#">WG1911636</a>
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:44	<a href="#">WG1911636</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:44	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:44	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:44	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:44	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
cis-1,2-Dichloroethene	0.0750	J	0.0276	0.100	1	08/16/2022 17:44	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:44	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:44	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:44	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:44	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:44	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:44	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:44	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:44	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:44	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:44	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:44	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:44	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:44	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:44	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:44	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:44	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:44	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:44	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:44	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:44	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:44	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:44	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:44	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:44	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:44	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:44	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:44	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:44	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 17:44	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:44	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:44	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:44	WG1911636
Vinyl chloride	0.626		0.0273	0.100	1	08/16/2022 17:44	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:44	WG1911636
Ethyl Ether	0.275		0.0170	0.100	1	08/16/2022 17:44	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:44	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:44	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:44	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:44	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:44	WG1911636
(S) 4-Bromofluorobenzene	72.7			67.0-138		08/16/2022 17:44	WG1911636
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/16/2022 17:44	WG1911636

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	13800	<del>T8</del>	594	5000	1	08/11/2022 21:56	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	6800		102	1000	1	08/18/2022 07:45	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	8250		28.1	100	1	08/16/2022 18:52	<a href="#">WG1910286</a>
Manganese	6020		0.704	5.00	1	08/16/2022 18:52	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 08:39	<a href="#">WG1910696</a>
<sup>(S)</sup> a,a,a-Trifluorotoluene(FID)	95.4			78.0-120		08/15/2022 08:39	<a href="#">WG1910696</a>

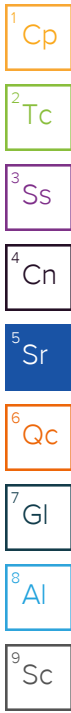
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	381		0.287	0.678	1	08/12/2022 13:02	<a href="#">WG1909777</a>
Ethane	1.26	J	0.296	1.29	1	08/12/2022 13:02	<a href="#">WG1909777</a>
Ethene	U		0.422	1.27	1	08/12/2022 13:02	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	7.44		0.548	1.00	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 12:40	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 12:40	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 12:40	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 12:40	<a href="#">WG1913512</a>

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 12:40	WG1913512
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 12:40	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 12:40	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 12:40	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 12:40	WG1913512
cis-1,2-Dichloroethene	0.174		0.0276	0.100	1	08/19/2022 12:40	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 12:40	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 12:40	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 12:40	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 12:40	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 12:40	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 12:40	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 12:40	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 12:40	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 12:40	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 12:40	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 12:40	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 12:40	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 12:40	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 12:40	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 12:40	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 12:40	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 12:40	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 12:40	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 12:40	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 12:40	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 12:40	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 12:40	WG1913512
Tetrachloroethene	0.173		0.0280	0.100	1	08/19/2022 12:40	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 12:40	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 12:40	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 12:40	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 12:40	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 12:40	WG1913512
Trichloroethene	0.109		0.0160	0.0400	1	08/19/2022 12:40	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 12:40	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 12:40	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 12:40	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 12:40	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 12:40	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 12:40	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 12:40	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 12:40	WG1913512
Tetrahydrofuran	0.302	J	0.0900	0.500	1	08/19/2022 12:40	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 12:40	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 12:40	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 12:40	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 12:40	WG1913512
(S) 4-Bromofluorobenzene	98.3			67.0-138		08/19/2022 12:40	WG1913512
(S) 1,2-Dichloroethane-d4	91.2			70.0-130		08/19/2022 12:40	WG1913512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	40200		594	5000	1	08/11/2022 12:56	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2280	<del>B</del>	102	1000	1	08/18/2022 08:01	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	45.6	J	28.1	100	1	08/16/2022 18:55	<a href="#">WG1910286</a>
Manganese	27.4		0.704	5.00	1	08/16/2022 18:55	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	08/12/2022 13:05	<a href="#">WG1909777</a>
Ethane	U		0.296	1.29	1	08/12/2022 13:05	<a href="#">WG1909777</a>
Ethene	U		0.422	1.27	1	08/12/2022 13:05	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.15	J	0.548	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Benzene	0.0280	J	0.0160	0.0400	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	5.62		0.0276	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	0.0690	J	0.0572	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Naphthalene	U		0.124	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Styrene	U		0.109	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Tetrachloroethene	59.3		0.0280	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Toluene	0.0520		0.0500	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Trichloroethene	10.2		0.0160	0.0400	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 12:59	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 12:59	<a href="#">WG1913512</a>
(S) Toluene-d8	112			75.0-131		08/19/2022 12:59	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 12:59	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		08/19/2022 12:59	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	40900		594	5000	1	08/11/2022 13:11	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2230	<span style="color: red;">B</span>	102	1000	1	08/18/2022 08:17	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	42.7	<span style="color: blue;">J</span>	28.1	100	1	08/16/2022 19:05	<a href="#">WG1910286</a>
Manganese	25.3		0.704	5.00	1	08/16/2022 19:05	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	U		0.287	0.678	1	08/12/2022 13:10	<a href="#">WG1909777</a>
Ethane	U		0.296	1.29	1	08/12/2022 13:10	<a href="#">WG1909777</a>
Ethene	U		0.422	1.27	1	08/12/2022 13:10	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	8.51	<span style="color: red;">J</span>	0.548	1.00	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Benzene	0.0260	<span style="color: blue;">J</span>	0.0160	0.0400	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Bromomethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.148	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Chloromethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0556	0.500	1	08/19/2022 13:18	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	<span style="color: red;">UJ</span> <span style="color: blue;">C3</span>	0.0327	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	5.94		0.0276	0.100	1	08/19/2022 13:18	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	0.0930	<span style="color: blue;">J</span>	0.0572	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:18	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 13:18	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:18	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:18	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:18	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:18	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:18	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:18	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 13:18	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:18	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:18	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:18	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:18	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:18	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:18	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:18	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:18	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:18	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:18	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:18	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:18	WG1913512
Tetrachloroethene	62.4		0.0280	0.100	1	08/19/2022 13:18	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 13:18	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 13:18	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:18	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:18	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:18	WG1913512
Trichloroethene	10.9		0.0160	0.0400	1	08/19/2022 13:18	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 13:18	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:18	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:18	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:18	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:18	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 13:18	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 13:18	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:18	WG1913512
Tetrahydrofuran	0.281	U	0.0900	0.500	1	08/19/2022 13:18	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:18	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:18	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:18	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 13:18	WG1913512
(S) 4-Bromofluorobenzene	96.9			67.0-138		08/19/2022 13:18	WG1913512
(S) 1,2-Dichloroethane-d4	92.5			70.0-130		08/19/2022 13:18	WG1913512

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	29100		594	5000	1	08/11/2022 13:41	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1860	<del>B</del>	102	1000	1	08/18/2022 08:33	<a href="#">WG1911943</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	756		28.1	100	1	08/16/2022 19:08	<a href="#">WG1910286</a>
Manganese	941		0.704	5.00	1	08/16/2022 19:08	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	229		0.287	0.678	1	08/12/2022 13:12	<a href="#">WG1909777</a>
Ethane	23.1		0.296	1.29	1	08/12/2022 13:12	<a href="#">WG1909777</a>
Ethene	24.5		0.422	1.27	1	08/12/2022 13:12	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	3.75		0.548	1.00	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Benzene	0.0360	<u>J</u>	0.0160	0.0400	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Bromomethane	U	<del>UJ</del> <u>C3</u>	0.148	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Chloromethane	U	<del>UJ</del> <u>C3</u>	0.0556	0.500	1	08/19/2022 13:36	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	<del>UJ</del> <u>C3</u>	0.0327	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,1-Dichloroethane	0.0550	<u>J</u>	0.0230	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,1-Dichloroethene	2.14		0.0200	0.100	1	08/19/2022 13:36	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	232		0.276	1.00	10	08/23/2022 14:34	<a href="#">WG1913923</a>
trans-1,2-Dichloroethene	0.273		0.0572	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:36	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 13:36	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:36	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:36	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:36	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:36	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:36	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:36	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 13:36	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:36	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:36	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:36	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:36	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:36	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:36	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:36	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:36	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:36	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:36	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:36	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:36	WG1913512
Tetrachloroethene	0.228		0.0280	0.100	1	08/19/2022 13:36	WG1913512
Toluene	0.0880		0.0500	0.200	1	08/19/2022 13:36	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 13:36	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:36	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:36	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:36	WG1913512
Trichloroethene	2.24		0.0160	0.0400	1	08/19/2022 13:36	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 13:36	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:36	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:36	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:36	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:36	WG1913512
Vinyl chloride	67.8		0.0273	0.100	1	08/19/2022 13:36	WG1913512
Xylenes, Total	0.247		0.191	0.260	1	08/19/2022 13:36	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:36	WG1913512
Tetrahydrofuran	0.584		0.0900	0.500	1	08/19/2022 13:36	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:36	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:36	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:36	WG1913512
(S) Toluene-d8	105			75.0-131		08/19/2022 13:36	WG1913512
(S) Toluene-d8	104			75.0-131		08/23/2022 14:34	WG1913923
(S) 4-Bromofluorobenzene	95.4			67.0-138		08/19/2022 13:36	WG1913512
(S) 4-Bromofluorobenzene	96.1			67.0-138		08/23/2022 14:34	WG1913923
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		08/19/2022 13:36	WG1913512
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		08/23/2022 14:34	WG1913923

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4000	J	594	5000	1	08/11/2022 19:12	<a href="#">WG1909317</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5800		102	1000	1	08/18/2022 20:43	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9780		28.1	100	1	08/16/2022 19:12	<a href="#">WG1910286</a>
Manganese	1640		0.704	5.00	1	08/16/2022 19:12	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14900		2.87	6.78	10	08/16/2022 11:16	<a href="#">WG1911204</a>
Ethane	196		0.296	1.29	1	08/12/2022 13:18	<a href="#">WG1909777</a>
Ethene	280		0.422	1.27	1	08/12/2022 13:18	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.65		0.548	1.00	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Benzene	0.0390	J	0.0160	0.0400	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 13:55	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,1-Dichloroethene	0.234		0.0200	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	93.7		0.0276	0.100	1	08/19/2022 13:55	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	1.89		0.0572	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:55	<a href="#">WG1913512</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 13:55	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:55	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:55	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:55	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:55	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:55	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:55	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 13:55	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:55	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:55	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:55	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:55	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:55	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:55	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:55	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:55	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:55	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:55	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:55	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:55	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 13:55	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 13:55	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 13:55	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:55	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:55	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:55	WG1913512
Trichloroethene	0.340		0.0160	0.0400	1	08/19/2022 13:55	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 13:55	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:55	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:55	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:55	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:55	WG1913512
Vinyl chloride	231		0.273	1.00	10	08/23/2022 14:54	WG1913923
Xylenes, Total	U		0.191	0.260	1	08/19/2022 13:55	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:55	WG1913512
Tetrahydrofuran	7.21		0.0900	0.500	1	08/19/2022 13:55	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:55	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:55	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:55	WG1913512
(S) Toluene-d8	109			75.0-131		08/19/2022 13:55	WG1913512
(S) Toluene-d8	104			75.0-131		08/23/2022 14:54	WG1913923
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 13:55	WG1913512
(S) 4-Bromofluorobenzene	96.4			67.0-138		08/23/2022 14:54	WG1913923
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		08/19/2022 13:55	WG1913512
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		08/23/2022 14:54	WG1913923

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	173000		594	5000	1	08/11/2022 19:27	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2660		102	1000	1	08/18/2022 20:59	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

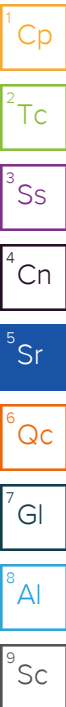
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	18500		28.1	100	1	08/16/2022 19:15	<a href="#">WG1910286</a>
Manganese	702		0.704	5.00	1	08/16/2022 19:15	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1400		0.287	0.678	1	08/12/2022 13:21	<a href="#">WG1909777</a>
Ethane	2.12		0.296	1.29	1	08/12/2022 13:21	<a href="#">WG1909777</a>
Ethene	4.51		0.422	1.27	1	08/12/2022 13:21	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	7.74		0.548	1.00	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 14:14	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 14:14	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/23/2022 13:53	<a href="#">WG1913923</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 14:14	<a href="#">WG1913512</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 14:14	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 14:14	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 14:14	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 14:14	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 14:14	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 14:14	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 14:14	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 14:14	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 14:14	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 14:14	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 14:14	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 14:14	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 14:14	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 14:14	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 14:14	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 14:14	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 14:14	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 14:14	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 14:14	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 14:14	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 14:14	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 14:14	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 14:14	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 14:14	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 14:14	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 14:14	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 14:14	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 14:14	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 14:14	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 14:14	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 14:14	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 14:14	WG1913512
Vinyl chloride	0.841		0.0273	0.100	1	08/23/2022 13:53	WG1913923
Xylenes, Total	U		0.191	0.260	1	08/19/2022 14:14	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 14:14	WG1913512
Tetrahydrofuran	0.623		0.0900	0.500	1	08/19/2022 14:14	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 14:14	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 14:14	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 14:14	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 14:14	WG1913512
(S) Toluene-d8	105			75.0-131		08/23/2022 13:53	WG1913923
(S) 4-Bromofluorobenzene	97.1			67.0-138		08/19/2022 14:14	WG1913512
(S) 4-Bromofluorobenzene	99.7			67.0-138		08/23/2022 13:53	WG1913923
(S) 1,2-Dichloroethane-d4	92.0			70.0-130		08/19/2022 14:14	WG1913512
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		08/23/2022 13:53	WG1913923

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	27100		594	5000	1	08/11/2022 20:11	<a href="#">WG1909317</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2250		102	1000	1	08/18/2022 21:54	<a href="#">WG1911945</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1680		28.1	100	1	08/16/2022 19:18	<a href="#">WG1910286</a>
Manganese	320		0.704	5.00	1	08/16/2022 19:18	<a href="#">WG1910286</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	2510		0.287	0.678	1	08/12/2022 13:26	<a href="#">WG1909777</a>
Ethane	5.28		0.296	1.29	1	08/12/2022 13:26	<a href="#">WG1909777</a>
Ethene	2.13		0.422	1.27	1	08/12/2022 13:26	<a href="#">WG1909777</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.33		0.548	1.00	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 14:32	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 14:32	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/23/2022 14:13	<a href="#">WG1913923</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 14:32	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/2022



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 14:32	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 14:32	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 14:32	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 14:32	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 14:32	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 14:32	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 14:32	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 14:32	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 14:32	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 14:32	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 14:32	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 14:32	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 14:32	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 14:32	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 14:32	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 14:32	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 14:32	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 14:32	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 14:32	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 14:32	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 14:32	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 14:32	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 14:32	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 14:32	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 14:32	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 14:32	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 14:32	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 14:32	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 14:32	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 14:32	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 14:32	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 14:32	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 14:32	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 14:32	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 14:32	WG1913512
Tetrahydrofuran	0.663		0.0900	0.500	1	08/19/2022 14:32	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 14:32	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 14:32	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 14:32	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 14:32	WG1913512
(S) Toluene-d8	101			75.0-131		08/23/2022 14:13	WG1913923
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/19/2022 14:32	WG1913512
(S) 4-Bromofluorobenzene	98.7			67.0-138		08/23/2022 14:13	WG1913923
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		08/19/2022 14:32	WG1913512
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/23/2022 14:13	WG1913923

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 9/15/2022



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1950	J	594	5000	1	08/18/2022 04:51	<a href="#">WG1910963</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1130	B	102	1000	1	08/25/2022 13:35	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2560		28.1	100	1	08/20/2022 17:40	<a href="#">WG1911348</a>
Manganese	314		0.704	5.00	1	08/20/2022 17:40	<a href="#">WG1911348</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	321		0.287	0.678	1	08/18/2022 13:04	<a href="#">WG1912411</a>
Ethane	U		0.296	1.29	1	08/18/2022 13:04	<a href="#">WG1912411</a>
Ethene	U		0.422	1.27	1	08/18/2022 13:04	<a href="#">WG1912411</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 15:10	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/19/2022 15:10	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:10	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:10	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:10	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:10	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:10	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:10	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:10	WG1913512
Ethylbenzene	0.0340	U	0.0212	0.100	1	08/19/2022 15:10	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 15:10	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:10	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:10	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:10	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:10	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:10	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:10	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:10	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:10	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:10	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:10	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:10	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:10	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 15:10	WG1913512
Toluene	0.176	U UJ C4	0.0500	0.200	1	08/19/2022 15:10	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 15:10	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:10	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:10	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:10	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 15:10	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 15:10	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:10	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:10	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:10	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:10	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:10	WG1913512
Xylenes, Total	0.285		0.191	0.260	1	08/19/2022 15:10	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:10	WG1913512
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 15:10	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:10	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:10	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:10	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 15:10	WG1913512
(S) 4-Bromofluorobenzene	99.6			67.0-138		08/19/2022 15:10	WG1913512
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		08/19/2022 15:10	WG1913512

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	178000		8450	20000	1	08/25/2022 07:43	<a href="#">WG1915225</a>

Sample Narrative:

L1525066-03 WG1915225: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	63400		379	1000	1	08/13/2022 20:11	<a href="#">WG1910349</a>
Nitrate	1250		48.0	100	1	08/13/2022 20:11	<a href="#">WG1910349</a>
Sulfate	23300		594	5000	1	08/13/2022 20:11	<a href="#">WG1910349</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2700	B	102	1000	1	08/25/2022 13:50	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	521		28.1	100	1	08/20/2022 17:44	<a href="#">WG1911348</a>
Manganese	233		0.704	5.00	1	08/20/2022 17:44	<a href="#">WG1911348</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 08:50	<a href="#">WG1913331</a>
(S) a,a,a-Trifluorotoluene(FID)	99.0			78.0-120		08/20/2022 08:50	<a href="#">WG1913331</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	35.6		0.287	0.678	1	08/18/2022 13:07	<a href="#">WG1912411</a>
Ethane	U		0.296	1.29	1	08/18/2022 13:07	<a href="#">WG1912411</a>
Ethene	U		0.422	1.27	1	08/18/2022 13:07	<a href="#">WG1912411</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	3.57	U	0.548	1.00	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 15:29	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:29	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:29	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:29	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:29	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:29	WG1913512
Chloroform	0.130		0.0166	0.100	1	08/19/2022 15:29	WG1913512
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 15:29	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:29	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:29	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:29	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:29	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:29	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:29	WG1913512
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 15:29	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:29	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:29	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:29	WG1913512
cis-1,2-Dichloroethene	0.150	U	0.0276	0.100	1	08/19/2022 15:29	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:29	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:29	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:29	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:29	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:29	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:29	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:29	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 15:29	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 15:29	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:29	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:29	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:29	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:29	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:29	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:29	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:29	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:29	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:29	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:29	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:29	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:29	WG1913512
Tetrachloroethene	1.55		0.0280	0.100	1	08/19/2022 15:29	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 15:29	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 15:29	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:29	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:29	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:29	WG1913512
Trichloroethene	0.114	U	0.0160	0.0400	1	08/19/2022 15:29	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 15:29	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:29	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:29	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:29	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:29	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:29	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 15:29	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:29	WG1913512
Tetrahydrofuran	1.92		0.0900	0.500	1	08/19/2022 15:29	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:29	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:29	WG1913512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:29	<a href="#">WG1913512</a>
(S) Toluene-d8	108			75.0-131		08/19/2022 15:29	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	98.3			67.0-138		08/19/2022 15:29	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		08/19/2022 15:29	<a href="#">WG1913512</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	168000		8450	20000	1	08/25/2022 07:55	<a href="#">WG1915225</a>

Sample Narrative:

L1525066-04 WG1915225: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	68600		379	1000	1	08/13/2022 20:56	<a href="#">WG1910349</a>
Nitrate	1550		48.0	100	1	08/13/2022 20:56	<a href="#">WG1910349</a>
Sulfate	23500		594	5000	1	08/13/2022 20:56	<a href="#">WG1910349</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2640	B	102	1000	1	08/25/2022 14:40	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	795		28.1	100	1	08/20/2022 17:47	<a href="#">WG1911348</a>
Manganese	295		0.704	5.00	1	08/20/2022 17:47	<a href="#">WG1911348</a>

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 09:12	<a href="#">WG1913331</a>
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		08/20/2022 09:12	<a href="#">WG1913331</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	41.7		0.287	0.678	1	08/18/2022 13:11	<a href="#">WG1912411</a>
Ethane	U		0.296	1.29	1	08/18/2022 13:11	<a href="#">WG1912411</a>
Ethene	U		0.422	1.27	1	08/18/2022 13:11	<a href="#">WG1912411</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	2.04	U	0.548	1.00	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 15:47	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:47	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:47	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:47	<a href="#">WG1913512</a> JC 9/15/22
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:47	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:47	<a href="#">WG1913512</a>



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:47	WG1913512
Chloroform	0.0870	U	0.0166	0.100	1	08/19/2022 15:47	WG1913512
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 15:47	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:47	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:47	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:47	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:47	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:47	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:47	WG1913512
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 15:47	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:47	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:47	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:47	WG1913512
cis-1,2-Dichloroethene	0.175		0.0276	0.100	1	08/19/2022 15:47	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:47	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:47	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:47	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:47	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:47	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:47	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:47	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 15:47	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 15:47	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:47	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:47	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:47	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:47	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:47	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:47	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:47	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:47	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:47	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:47	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:47	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:47	WG1913512
Tetrachloroethene	1.52		0.0280	0.100	1	08/19/2022 15:47	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 15:47	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 15:47	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:47	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:47	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:47	WG1913512
Trichloroethene	0.139	U	0.0160	0.0400	1	08/19/2022 15:47	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 15:47	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:47	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:47	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:47	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:47	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:47	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 15:47	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:47	WG1913512
Tetrahydrofuran	2.27		0.0900	0.500	1	08/19/2022 15:47	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:47	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:47	WG1913512

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:47	<a href="#">WG1913512</a>
(S) Toluene-d8	108			75.0-131		08/19/2022 15:47	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	102			67.0-138		08/19/2022 15:47	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	89.2			70.0-130		08/19/2022 15:47	<a href="#">WG1913512</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	16800		594	5000	1	08/18/2022 05:05	<a href="#">WG1910963</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1790	<del>B</del>	102	1000	1	08/25/2022 14:54	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	125		28.1	100	1	08/20/2022 17:50	<a href="#">WG1911348</a>
Manganese	23.2		0.704	5.00	1	08/20/2022 17:50	<a href="#">WG1911348</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11.9		0.287	0.678	1	08/18/2022 13:16	<a href="#">WG1912411</a>
Ethane	U		0.296	1.29	1	08/18/2022 13:16	<a href="#">WG1912411</a>
Ethene	U		0.422	1.27	1	08/18/2022 13:16	<a href="#">WG1912411</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.06	U	0.548	1.00	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 16:06	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	0.550		0.0276	0.100	1	08/19/2022 16:06	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 16:06	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 16:06	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:06	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:06	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:06	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:06	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:06	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:06	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 16:06	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:06	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:06	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:06	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:06	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:06	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:06	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 16:06	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:06	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 16:06	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:06	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:06	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:06	WG1913512
Tetrachloroethene	0.418		0.0280	0.100	1	08/19/2022 16:06	WG1913512
Toluene	0.0810	U UJ	0.0500	0.200	1	08/19/2022 16:06	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 16:06	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:06	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:06	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:06	WG1913512
Trichloroethene	0.282		0.0160	0.0400	1	08/19/2022 16:06	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 16:06	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:06	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:06	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:06	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:06	WG1913512
Vinyl chloride	0.421		0.0273	0.100	1	08/19/2022 16:06	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:06	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:06	WG1913512
Tetrahydrofuran	0.576	U	0.0900	0.500	1	08/19/2022 16:06	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 16:06	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:06	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:06	WG1913512
(S) Toluene-d8	104			75.0-131		08/19/2022 16:06	WG1913512
(S) 4-Bromofluorobenzene	102			67.0-138		08/19/2022 16:06	WG1913512
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		08/19/2022 16:06	WG1913512

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24800		594	5000	1	08/18/2022 05:20	<a href="#">WG1910963</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3430	J+ J5	102	1000	1	08/25/2022 15:10	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

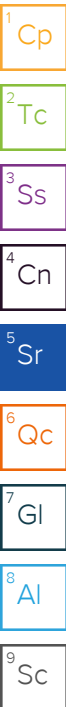
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3050		28.1	100	1	08/20/2022 17:53	<a href="#">WG1911348</a>
Manganese	1110		0.704	5.00	1	08/20/2022 17:53	<a href="#">WG1911348</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28300		2.87	6.78	10	08/19/2022 09:36	<a href="#">WG1913045</a>
Ethane	1.42		0.296	1.29	1	08/18/2022 13:23	<a href="#">WG1912411</a>
Ethene	1.63		0.422	1.27	1	08/18/2022 13:23	<a href="#">WG1912411</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	37.4	J	0.548	1.00	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Benzene	0.0310	U J	0.0160	0.0400	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 16:24	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	0.292		0.0276	0.100	1	08/19/2022 16:24	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 16:24	<a href="#">WG1913512</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 16:24	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:24	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:24	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:24	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:24	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:24	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:24	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 16:24	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:24	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:24	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:24	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:24	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:24	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:24	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 16:24	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:24	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 16:24	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:24	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:24	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:24	WG1913512
Tetrachloroethene	0.240		0.0280	0.100	1	08/19/2022 16:24	WG1913512
Toluene	0.186	U	0.0500	0.200	1	08/19/2022 16:24	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 16:24	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:24	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:24	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:24	WG1913512
Trichloroethene	0.166	U	0.0160	0.0400	1	08/19/2022 16:24	WG1913512
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 16:24	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:24	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:24	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:24	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:24	WG1913512
Vinyl chloride	2.70		0.0273	0.100	1	08/19/2022 16:24	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:24	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:24	WG1913512
Tetrahydrofuran	2.94		0.0900	0.500	1	08/19/2022 16:24	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 16:24	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:24	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:24	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 16:24	WG1913512
(S) 4-Bromofluorobenzene	99.9			67.0-138		08/19/2022 16:24	WG1913512
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		08/19/2022 16:24	WG1913512

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.62	U	0.548	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	0.869		0.0276	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2-Dichloropropane	0.0810	J	0.0508	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Naphthalene	U		0.124	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Styrene	U		0.109	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Tetrachloroethene	1.22		0.0280	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Toluene	U		0.0500	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Trichloroethene	0.284		0.0160	0.0400	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Tetrahydrofuran	0.373	U	0.0900	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:43	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:43	<a href="#">WG1913512</a>
(S) Toluene-d8	104			75.0-131		08/19/2022 16:43	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	99.7			67.0-138		08/19/2022 16:43	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/19/2022 16:43	<a href="#">WG1913512</a>

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Acrylonitrile	U		0.760	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Benzene	U		0.160	0.400	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Bromobenzene	U		0.420	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.315	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Bromoform	U		2.39	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	1.48	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
n-Butylbenzene	U		1.53	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
sec-Butylbenzene	U		1.01	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.620	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.432	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Chlorobenzene	U		0.229	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.180	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Chloroethane	U		0.432	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Chloroform	U		0.166	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.556	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.368	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.452	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.210	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Dibromomethane	U		0.400	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.580	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.680	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.788	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.327	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.230	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.190	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.200	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	8.41		0.276	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	0.920	J	0.572	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.508	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1-Dichloropropene	U		0.280	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.700	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.317	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.140	0.400	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Ethylbenzene	U		0.212	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	5.08	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Isopropylbenzene	U		0.345	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.932	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		5.00	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Methylene Chloride	U		2.65	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.118	0.400	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Naphthalene	U		1.24	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.472	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Styrene	U		1.09	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Tetrachloroethene	U		0.280	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Toluene	U		0.500	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.250	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.110	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

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6 Qc

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9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.353	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Trichloroethene	U		0.160	0.400	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.200	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		2.04	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Vinyl chloride	120		0.273	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Xylenes, Total	U		1.91	2.60	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Ethyl Ether	U		0.170	1.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Tetrahydrofuran	U		0.900	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Iodomethane	U		2.42	5.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Allyl chloride	U		5.80	10.0	10	08/19/2022 18:16	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/19/2022 18:16	<a href="#">WG1913512</a>
(S) Toluene-d8	102			75.0-131		08/19/2022 18:16	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/19/2022 18:16	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/19/2022 18:16	<a href="#">WG1913512</a>

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Cp

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Tc

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Ss

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Sr

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Qc

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Gl

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Al

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Sample Narrative:

L1525066-08 WG1913512: Lowest possible dilution due to sample foaming.



## Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.97	U	0.548	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Benzene	0.0280	J	0.0160	0.0400	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Chloroethane	0.334		0.0432	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	0.147		0.0276	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	1.22		0.0572	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Naphthalene	U		0.124	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Styrene	U		0.109	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Toluene	0.0670	U J	0.0500	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Vinyl chloride	0.200		0.0273	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Tetrahydrofuran	0.933		0.0900	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:02	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:02	<a href="#">WG1913512</a>
(S) Toluene-d8	109			75.0-131		08/19/2022 17:02	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	99.4			67.0-138		08/19/2022 17:02	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		08/19/2022 17:02	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.70	U	0.548	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Benzene	0.187		0.0160	0.0400	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	0.0720	J	0.0276	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	0.370		0.0572	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Isopropylbenzene	0.136		0.0345	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Naphthalene	U		0.124	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Styrene	U		0.109	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Toluene	0.119	U J	0.0500	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Trichloroethene	0.0490		0.0160	0.0400	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Vinyl chloride	0.143		0.0273	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Tetrahydrofuran	7.10		0.0900	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:20	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:20	<a href="#">WG1913512</a>
(S) Toluene-d8	106			75.0-131		08/19/2022 17:20	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 17:20	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		08/19/2022 17:20	<a href="#">WG1913512</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	ug/l		ug/l	ug/l			
Acetone	2.39	U	0.548	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Benzene	U		0.0160	0.0400	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Bromoform	U		0.239	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Chloroethane	U		0.0432	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Chloroform	U		0.0166	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
cis-1,2-Dichloroethene	7.63		0.0276	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Naphthalene	U		0.124	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Styrene	U		0.109	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Tetrachloroethene	2.26		0.0280	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Toluene	0.0560	U L	0.0500	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Trichloroethene	1.74		0.0160	0.0400	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Tetrahydrofuran	0.389	U J	0.0900	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:39	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:39	<a href="#">WG1913512</a>
(S) Toluene-d8	108			75.0-131		08/19/2022 17:39	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	100			67.0-138		08/19/2022 17:39	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		08/19/2022 17:39	<a href="#">WG1913512</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.81	U	0.548	1.00	1	08/19/2022 17:57	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:57	WG1913512
Benzene	0.0280	J	0.0160	0.0400	1	08/19/2022 17:57	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:57	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:57	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 17:57	WG1913512
Bromomethane	U	UJ C3	0.148	0.500	1	08/19/2022 17:57	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:57	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:57	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:57	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:57	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:57	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:57	WG1913512
Chloroethane	0.229		0.0432	0.200	1	08/19/2022 17:57	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 17:57	WG1913512
Chloromethane	U	UJ C3	0.0556	0.500	1	08/19/2022 17:57	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:57	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:57	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:57	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:57	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:57	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:57	WG1913512
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	08/19/2022 17:57	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:57	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:57	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:57	WG1913512
cis-1,2-Dichloroethene	0.316		0.0276	0.100	1	08/19/2022 17:57	WG1913512
trans-1,2-Dichloroethene	1.15		0.0572	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:57	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:57	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:57	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:57	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:57	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:57	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:57	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:57	WG1913512
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	08/19/2022 17:57	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:57	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:57	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:57	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:57	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:57	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:57	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 17:57	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:57	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 17:57	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:57	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:57	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:57	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:57	WG1913512
Toluene	0.0590	U J	0.0500	0.200	1	08/19/2022 17:57	WG1913512
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	08/19/2022 17:57	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:57	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:57	WG1913512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Trichloroethene	0.0480		0.0160	0.0400	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	08/19/2022 17:57	<a href="#">WG1913512</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:57	<a href="#">WG1913512</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:57	<a href="#">WG1913512</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:57	<a href="#">WG1913512</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Vinyl chloride	1.35		0.0273	0.100	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Iodomethane	U		0.242	0.500	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:57	<a href="#">WG1913512</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:57	<a href="#">WG1913512</a>
(S) Toluene-d8	106			75.0-131		08/19/2022 17:57	<a href="#">WG1913512</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 17:57	<a href="#">WG1913512</a>
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		08/19/2022 17:57	<a href="#">WG1913512</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8820		594	5000	1	08/17/2022 19:27	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1650	<del>B</del>	102	1000	1	08/25/2022 18:16	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1200		28.1	100	1	08/19/2022 18:03	<a href="#">WG1912645</a>
Manganese	634		0.704	5.00	1	08/19/2022 18:03	<a href="#">WG1912645</a>

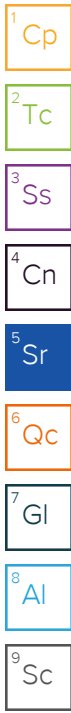
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	197		0.287	0.678	1	08/19/2022 09:41	<a href="#">WG1913045</a>
Ethane	0.706	J	0.296	1.29	1	08/19/2022 09:41	<a href="#">WG1913045</a>
Ethene	0.880	J	0.422	1.27	1	08/19/2022 09:41	<a href="#">WG1913045</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.76	U	0.548	1.00	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Benzene	U		0.0160	0.0400	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Bromomethane	U		0.148	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Chloroethane	0.332		0.0432	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Chloroform	U		0.0166	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Chloromethane	U		0.0556	0.500	1	08/20/2022 00:41	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,1-Dichloroethene	1.50		0.0200	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	28.5		0.0276	0.100	1	08/20/2022 00:41	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	0.395		0.0572	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 00:41	<a href="#">WG1913607</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2022 00:41	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 00:41	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 00:41	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 00:41	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 00:41	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 00:41	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 00:41	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 00:41	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 00:41	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 00:41	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 00:41	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 00:41	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 00:41	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 00:41	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 00:41	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 00:41	WG1913607
Styrene	U	UJ C3	0.109	0.500	1	08/20/2022 00:41	WG1913607
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	08/20/2022 00:41	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 00:41	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 00:41	WG1913607
Tetrachloroethene	1.32		0.0280	0.100	1	08/20/2022 00:41	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 00:41	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 00:41	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 00:41	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 00:41	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 00:41	WG1913607
Trichloroethene	7.14		0.0160	0.0400	1	08/20/2022 00:41	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 00:41	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 00:41	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 00:41	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 00:41	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 00:41	WG1913607
Vinyl chloride	2.54		0.0273	0.100	1	08/20/2022 00:41	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 00:41	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 00:41	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 00:41	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 00:41	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 00:41	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 00:41	WG1913607
(S) Toluene-d8	94.9			75.0-131		08/20/2022 00:41	WG1913607
(S) 4-Bromofluorobenzene	95.4			67.0-138		08/20/2022 00:41	WG1913607
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2022 00:41	WG1913607

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4840	J	594	5000	1	08/18/2022 10:01	WG1911500

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1190	B	102	1000	1	08/25/2022 18:30	WG1911948

Metals (ICPMS) by Method 6020B

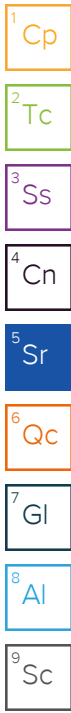
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	76.3	J	28.1	100	1	08/19/2022 18:26	WG1912645
Manganese	14.0		0.704	5.00	1	08/19/2022 18:26	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6.68		0.287	0.678	1	08/19/2022 09:45	WG1913045
Ethane	0.517	J	0.296	1.29	1	08/19/2022 09:45	WG1913045
Ethene	U		0.422	1.27	1	08/19/2022 09:45	WG1913045

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.09	U	0.548	1.00	1	08/24/2022 14:50	WG1915883
Acrylonitrile	U		0.0760	0.500	1	08/24/2022 14:50	WG1915883
Benzene	0.0250	J	0.0160	0.0400	1	08/24/2022 14:50	WG1915883
Bromobenzene	U		0.0420	0.500	1	08/24/2022 14:50	WG1915883
Bromodichloromethane	U		0.0315	0.100	1	08/24/2022 14:50	WG1915883
Bromoform	U		0.239	1.00	1	08/24/2022 14:50	WG1915883
Bromomethane	U		0.148	0.500	1	08/24/2022 14:50	WG1915883
n-Butylbenzene	U		0.153	0.500	1	08/24/2022 14:50	WG1915883
sec-Butylbenzene	U		0.101	0.500	1	08/24/2022 14:50	WG1915883
tert-Butylbenzene	U		0.0620	0.200	1	08/24/2022 14:50	WG1915883
Carbon tetrachloride	U		0.0432	0.200	1	08/24/2022 14:50	WG1915883
Chlorobenzene	U		0.0229	0.100	1	08/24/2022 14:50	WG1915883
Chlorodibromomethane	U		0.0180	0.100	1	08/24/2022 14:50	WG1915883
Chloroethane	U		0.0432	0.200	1	08/24/2022 14:50	WG1915883
Chloroform	U		0.0166	0.100	1	08/24/2022 14:50	WG1915883
Chloromethane	U		0.0556	0.500	1	08/24/2022 14:50	WG1915883
2-Chlorotoluene	U		0.0368	0.100	1	08/24/2022 14:50	WG1915883
4-Chlorotoluene	U		0.0452	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/24/2022 14:50	WG1915883
1,2-Dibromoethane	U		0.0210	0.100	1	08/24/2022 14:50	WG1915883
Dibromomethane	U		0.0400	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/24/2022 14:50	WG1915883
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/24/2022 14:50	WG1915883
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/24/2022 14:50	WG1915883
Dichlorodifluoromethane	U		0.0327	0.100	1	08/24/2022 14:50	WG1915883
1,1-Dichloroethane	U		0.0230	0.100	1	08/24/2022 14:50	WG1915883
1,2-Dichloroethane	0.0360	J	0.0190	0.100	1	08/24/2022 14:50	WG1915883
1,1-Dichloroethene	U		0.0200	0.100	1	08/24/2022 14:50	WG1915883
cis-1,2-Dichloroethene	14.4		0.0276	0.100	1	08/24/2022 14:50	WG1915883
trans-1,2-Dichloroethene	0.0960	J	0.0572	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dichloropropane	U		0.0508	0.200	1	08/24/2022 14:50	WG1915883



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Ethylbenzene	0.0350	U	0.0212	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Isopropylbenzene	U		0.0345	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Methylene Chloride	U		0.265	1.00	1	08/24/2022 14:50	<a href="#">WG1915883</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Naphthalene	U		0.124	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
n-Propylbenzene	U		0.0472	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Styrene	U		0.109	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Tetrachloroethene	1.40		0.0280	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Toluene	0.0680	U	0.0500	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Trichloroethene	3.45		0.0160	0.0400	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Vinyl chloride	U		0.0273	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Xylenes, Total	U		0.191	0.260	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Ethyl Ether	U		0.0170	0.100	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Tetrahydrofuran	0.748		0.0900	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Iodomethane	U		0.242	0.500	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Allyl chloride	U		0.580	1.00	1	08/24/2022 14:50	<a href="#">WG1915883</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/24/2022 14:50	<a href="#">WG1915883</a>
(S) Toluene-d8	111			75.0-131		08/24/2022 14:50	<a href="#">WG1915883</a>
(S) 4-Bromofluorobenzene	104			67.0-138		08/24/2022 14:50	<a href="#">WG1915883</a>
(S) 1,2-Dichloroethane-d4	82.3			70.0-130		08/24/2022 14:50	<a href="#">WG1915883</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	49400		594	5000	1	08/17/2022 20:56	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6770		102	1000	1	08/25/2022 18:51	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2470		28.1	100	1	08/19/2022 18:36	<a href="#">WG1912645</a>
Manganese	1220		0.704	5.00	1	08/19/2022 18:36	<a href="#">WG1912645</a>

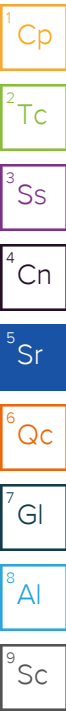
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3510		0.287	0.678	1	08/17/2022 09:47	<a href="#">WG1911872</a>
Ethane	7.03		0.296	1.29	1	08/17/2022 09:47	<a href="#">WG1911872</a>
Ethene	47.5		0.422	1.27	1	08/17/2022 09:47	<a href="#">WG1911872</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.16	U	0.548	1.00	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Benzene	U		0.0160	0.0400	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Bromomethane	U		0.148	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Chloroethane	0.936		0.0432	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Chloroform	0.0530	J	0.0166	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:01	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	4.10		0.0276	0.100	1	08/20/2022 01:01	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:01	<a href="#">WG1913607</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2022 01:01	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:01	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:01	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:01	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:01	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:01	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:01	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:01	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:01	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:01	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:01	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:01	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:01	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:01	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:01	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:01	WG1913607
Styrene	U	UJ C3	0.109	0.500	1	08/20/2022 01:01	WG1913607
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	08/20/2022 01:01	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:01	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:01	WG1913607
Tetrachloroethene	1.66		0.0280	0.100	1	08/20/2022 01:01	WG1913607
Toluene	0.0780	U U	0.0500	0.200	1	08/20/2022 01:01	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:01	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:01	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:01	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:01	WG1913607
Trichloroethene	0.544		0.0160	0.0400	1	08/20/2022 01:01	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:01	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:01	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:01	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:01	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:01	WG1913607
Vinyl chloride	31.8		0.0273	0.100	1	08/20/2022 01:01	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:01	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:01	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:01	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:01	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:01	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:01	WG1913607
(S) Toluene-d8	94.8			75.0-131		08/20/2022 01:01	WG1913607
(S) 4-Bromofluorobenzene	92.2			67.0-138		08/20/2022 01:01	WG1913607
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/20/2022 01:01	WG1913607

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/15/22

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	43600		594	5000	1	08/17/2022 21:14	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4600		102	1000	1	08/25/2022 19:07	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1660		28.1	100	1	08/19/2022 18:39	<a href="#">WG1912645</a>
Manganese	767		0.704	5.00	1	08/19/2022 18:39	<a href="#">WG1912645</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3010		0.287	0.678	1	08/17/2022 09:51	<a href="#">WG1911872</a>
Ethane	3.75		0.296	1.29	1	08/17/2022 09:51	<a href="#">WG1911872</a>
Ethene	10.4		0.422	1.27	1	08/17/2022 09:51	<a href="#">WG1911872</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.9		0.548	1.00	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Benzene	U		0.0160	0.0400	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Bromomethane	U		0.148	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Chloroethane	0.630		0.0432	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Chloroform	U		0.0166	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:20	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,1-Dichloroethene	0.0820	J	0.0200	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	37.8		0.0276	0.100	1	08/20/2022 01:20	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:20	<a href="#">WG1913607</a>

JC 9/15/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2022 01:20	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:20	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:20	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:20	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:20	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:20	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:20	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:20	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:20	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:20	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:20	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:20	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:20	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:20	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:20	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:20	WG1913607
Styrene	U	UJ C3	0.109	0.500	1	08/20/2022 01:20	WG1913607
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	08/20/2022 01:20	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:20	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:20	WG1913607
Tetrachloroethene	0.982		0.0280	0.100	1	08/20/2022 01:20	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:20	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:20	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:20	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:20	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:20	WG1913607
Trichloroethene	0.202		0.0160	0.0400	1	08/20/2022 01:20	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:20	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:20	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:20	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:20	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:20	WG1913607
Vinyl chloride	54.7		0.0273	0.100	1	08/20/2022 01:20	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:20	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:20	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:20	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:20	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:20	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:20	WG1913607
(S) Toluene-d8	95.3			75.0-131		08/20/2022 01:20	WG1913607
(S) 4-Bromofluorobenzene	93.9			67.0-138		08/20/2022 01:20	WG1913607
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2022 01:20	WG1913607

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10700		594	5000	1	08/17/2022 21:32	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5750		102	1000	1	08/25/2022 19:23	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13000		28.1	100	1	08/19/2022 18:43	<a href="#">WG1912645</a>
Manganese	2980		0.704	5.00	1	08/19/2022 18:43	<a href="#">WG1912645</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6400		0.287	0.678	1	08/17/2022 09:58	<a href="#">WG1911872</a>
Ethane	U		0.296	1.29	1	08/17/2022 09:58	<a href="#">WG1911872</a>
Ethene	U		0.422	1.27	1	08/17/2022 09:58	<a href="#">WG1911872</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.68	U	0.548	1.00	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Benzene	0.0430		0.0160	0.0400	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Bromomethane	U		0.148	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Chloroethane	U		0.0432	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Chloroform	U		0.0166	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:40	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	8.42		0.0276	0.100	1	08/20/2022 01:40	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	0.109	J	0.0572	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:40	<a href="#">WG1913607</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2022 01:40	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:40	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:40	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:40	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:40	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:40	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:40	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:40	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:40	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:40	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:40	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:40	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:40	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:40	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:40	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:40	WG1913607
Styrene	U	UJ C3	0.109	0.500	1	08/20/2022 01:40	WG1913607
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	08/20/2022 01:40	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:40	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:40	WG1913607
Tetrachloroethene	0.550		0.0280	0.100	1	08/20/2022 01:40	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:40	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:40	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:40	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:40	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:40	WG1913607
Trichloroethene	1.78		0.0160	0.0400	1	08/20/2022 01:40	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:40	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:40	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:40	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:40	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:40	WG1913607
Vinyl chloride	0.212		0.0273	0.100	1	08/20/2022 01:40	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:40	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:40	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:40	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:40	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:40	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:40	WG1913607
(S) Toluene-d8	97.2			75.0-131		08/20/2022 01:40	WG1913607
(S) 4-Bromofluorobenzene	99.1			67.0-138		08/20/2022 01:40	WG1913607
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/20/2022 01:40	WG1913607

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

JC 9/15/22

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	70900		594	5000	1	08/17/2022 22:26	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2420	<u>B</u>	102	1000	1	08/25/2022 19:38	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	210		28.1	100	1	08/19/2022 18:46	<a href="#">WG1912645</a>
Manganese	2770		0.704	5.00	1	08/19/2022 18:46	<a href="#">WG1912645</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8590		2.87	6.78	10	08/18/2022 13:29	<a href="#">WG1912411</a>
Ethane	5.85		0.296	1.29	1	08/17/2022 10:02	<a href="#">WG1911872</a>
Ethene	U		0.422	1.27	1	08/17/2022 10:02	<a href="#">WG1911872</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Acrylonitrile	U		1.90	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Benzene	U		0.400	1.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Bromobenzene	U		1.05	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.788	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Bromoform	U	<u>UJ</u> <u>C3</u>	5.98	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Bromomethane	U		3.70	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
n-Butylbenzene	U		3.83	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
sec-Butylbenzene	U		2.53	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
tert-Butylbenzene	U		1.55	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Carbon tetrachloride	U		1.08	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Chlorobenzene	U		0.573	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.450	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Chloroethane	U		1.08	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Chloroform	U		0.415	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Chloromethane	U		1.39	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.920	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
4-Chlorotoluene	U		1.13	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.525	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Dibromomethane	U		1.00	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		1.45	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		1.70	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		1.97	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.818	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.575	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.475	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1-Dichloroethene	1.38	<u>J</u>	0.500	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	263		0.690	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	2.93	<u>J</u>	1.43	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		1.27	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>

JC 9/15/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,3-Dichloropropane	U		1.75	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
2,2-Dichloropropane	U		0.793	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Di-isopropyl ether	U		0.350	1.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Ethylbenzene	U		0.530	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Isopropylbenzene	U		0.863	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
p-Isopropyltoluene	U		2.33	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
2-Butanone (MEK)	U		12.5	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Methylene Chloride	U		6.63	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Methyl tert-butyl ether	U		0.295	1.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Naphthalene	U		3.10	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
n-Propylbenzene	U		1.18	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Styrene	U	UJ C3	2.73	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1,1,2-Tetrachloroethane	U	UJ C3	0.500	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Tetrachloroethene	509		0.700	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Toluene	U		1.25	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2,3-Trichlorobenzene	U		0.625	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1,1-Trichloroethane	U		0.275	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,1,2-Trichloroethane	U		0.883	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Trichloroethene	218		0.400	1.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Trichlorofluoromethane	U		0.500	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2,3-Trichloropropane	U		5.10	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Vinyl chloride	U		0.682	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Xylenes, Total	U		4.78	6.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Ethyl Ether	U		0.425	2.50	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Tetrahydrofuran	U		2.25	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Iodomethane	U		6.05	12.5	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Allyl chloride	U		14.5	25.0	25	08/20/2022 05:14	<a href="#">WG1913607</a>
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/20/2022 05:14	<a href="#">WG1913607</a>
(S) Toluene-d8	101			75.0-131		08/20/2022 05:14	<a href="#">WG1913607</a>
(S) 4-Bromofluorobenzene	96.9			67.0-138		08/20/2022 05:14	<a href="#">WG1913607</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2022 05:14	<a href="#">WG1913607</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Sample Narrative:

L1525285-06 WG1913607: Target compounds too high to run at a lower dilution.

JC 9/15/22

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	25200		594	5000	1	08/17/2022 22:44	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3420	J+	102	1000	1	08/25/2022 19:53	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3000		28.1	100	1	08/19/2022 18:49	<a href="#">WG1912645</a>
Manganese	1110		0.704	5.00	1	08/19/2022 18:49	<a href="#">WG1912645</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	26100		2.87	6.78	10	08/19/2022 14:28	<a href="#">WG1913121</a>
Ethane	1.39		0.296	1.29	1	08/19/2022 09:50	<a href="#">WG1913045</a>
Ethene	1.44		0.422	1.27	1	08/19/2022 09:50	<a href="#">WG1913045</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	11.5	J	0.548	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Acrylonitrile	U		0.0760	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Benzene	U		0.0160	0.0400	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Bromobenzene	U		0.0420	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Bromodichloromethane	U		0.0315	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Bromoform	U		0.239	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Bromomethane	U		0.148	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
n-Butylbenzene	U		0.153	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
sec-Butylbenzene	U		0.101	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Chlorobenzene	U		0.0229	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Chloroethane	U		0.0432	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Chloroform	U		0.0166	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Chloromethane	U		0.0556	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Dibromomethane	U		0.0400	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
cis-1,2-Dichloroethene	0.361		0.0276	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>

JC 9/15/22

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,3-Dichloropropane	U		0.0700	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
2,2-Dichloropropane	U		0.0317	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Di-isopropyl ether	U		0.0140	0.0400	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Ethylbenzene	U		0.0212	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Isopropylbenzene	U		0.0345	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
p-Isopropyltoluene	U		0.0932	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
2-Butanone (MEK)	U		0.500	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Methylene Chloride	U		0.265	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Naphthalene	U		0.124	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
n-Propylbenzene	U		0.0472	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Styrene	U		0.109	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Tetrachloroethene	0.283		0.0280	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Toluene	0.0910	U	0.0500	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Trichloroethene	0.168		0.0160	0.0400	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Trichlorofluoromethane	U		0.0200	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2,3-Trichloropropane	U		0.204	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Vinyl chloride	2.57		0.0273	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Xylenes, Total	U		0.191	0.260	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Ethyl Ether	U		0.0170	0.100	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Tetrahydrofuran	3.36		0.0900	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Iodomethane	U		0.242	0.500	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Allyl chloride	U		0.580	1.00	1	08/24/2022 15:08	<a href="#">WG1915883</a>
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/24/2022 15:08	<a href="#">WG1915883</a>
(S) Toluene-d8	110			75.0-131		08/24/2022 15:08	<a href="#">WG1915883</a>
(S) 4-Bromofluorobenzene	101			67.0-138		08/24/2022 15:08	<a href="#">WG1915883</a>
(S) 1,2-Dichloroethane-d4	81.8			70.0-130		08/24/2022 15:08	<a href="#">WG1915883</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2250	J	594	5000	1	08/17/2022 23:02	<a href="#">WG1911500</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1130	B	102	1000	1	08/25/2022 20:07	<a href="#">WG1911948</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1350		28.1	100	1	08/19/2022 18:53	<a href="#">WG1912645</a>
Manganese	316		0.704	5.00	1	08/19/2022 18:53	<a href="#">WG1912645</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	424		0.287	0.678	1	08/19/2022 09:55	<a href="#">WG1913045</a>
Ethane	U		0.296	1.29	1	08/19/2022 09:55	<a href="#">WG1913045</a>
Ethene	1.65		0.422	1.27	1	08/19/2022 09:55	<a href="#">WG1913045</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.67	U	0.548	1.00	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Benzene	U		0.0160	0.0400	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Bromoform	U	UJ C3	0.239	1.00	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Bromomethane	U		0.148	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Chloroethane	U		0.0432	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Chloroform	U		0.0166	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:59	<a href="#">WG1913607</a>
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
cis-1,2-Dichloroethene	1.45		0.0276	0.100	1	08/20/2022 01:59	<a href="#">WG1913607</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:59	<a href="#">WG1913607</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

JC 9/15/22



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	08/20/2022 01:59	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:59	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:59	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:59	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:59	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:59	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:59	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:59	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:59	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:59	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:59	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:59	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:59	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:59	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:59	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:59	WG1913607
Styrene	U	UJ C3	0.109	0.500	1	08/20/2022 01:59	WG1913607
1,1,1,2-Tetrachloroethane	U	UJ C3	0.0200	0.100	1	08/20/2022 01:59	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:59	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:59	WG1913607
Tetrachloroethene	U		0.0280	0.100	1	08/20/2022 01:59	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:59	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:59	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:59	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:59	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:59	WG1913607
Trichloroethene	0.140		0.0160	0.0400	1	08/20/2022 01:59	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:59	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:59	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:59	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:59	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:59	WG1913607
Vinyl chloride	0.679		0.0273	0.100	1	08/20/2022 01:59	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:59	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:59	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:59	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:59	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:59	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:59	WG1913607
(S) Toluene-d8	95.9			75.0-131		08/20/2022 01:59	WG1913607
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/20/2022 01:59	WG1913607
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/20/2022 01:59	WG1913607

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1910	J	594	5000	1	08/17/2022 23:20	WG1911500

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	41900		102	1000	1	08/25/2022 00:44	WG1913003

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	29700		28.1	100	1	08/19/2022 18:56	WG1912645
Manganese	5680		0.704	5.00	1	08/19/2022 18:56	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28600		2.87	6.78	10	08/19/2022 14:30	WG1913121
Ethane	817		0.296	1.29	1	08/19/2022 11:09	WG1913045
Ethene	680		0.422	1.27	1	08/19/2022 11:09	WG1913045

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.0	20.0	20	08/24/2022 15:27	WG1915883
Acrylonitrile	U		1.52	10.0	20	08/24/2022 15:27	WG1915883
Benzene	U		0.320	0.800	20	08/24/2022 15:27	WG1915883
Bromobenzene	U		0.840	10.0	20	08/24/2022 15:27	WG1915883
Bromodichloromethane	U		0.630	2.00	20	08/24/2022 15:27	WG1915883
Bromoform	U		4.78	20.0	20	08/24/2022 15:27	WG1915883
Bromomethane	U		2.96	10.0	20	08/24/2022 15:27	WG1915883
n-Butylbenzene	U		3.06	10.0	20	08/24/2022 15:27	WG1915883
sec-Butylbenzene	U		2.02	10.0	20	08/24/2022 15:27	WG1915883
tert-Butylbenzene	U		1.24	4.00	20	08/24/2022 15:27	WG1915883
Carbon tetrachloride	U		0.864	4.00	20	08/24/2022 15:27	WG1915883
Chlorobenzene	U		0.458	2.00	20	08/24/2022 15:27	WG1915883
Chlorodibromomethane	U		0.360	2.00	20	08/24/2022 15:27	WG1915883
Chloroethane	U		0.864	4.00	20	08/24/2022 15:27	WG1915883
Chloroform	U		0.332	2.00	20	08/24/2022 15:27	WG1915883
Chloromethane	U		1.11	10.0	20	08/24/2022 15:27	WG1915883
2-Chlorotoluene	U		0.736	2.00	20	08/24/2022 15:27	WG1915883
4-Chlorotoluene	U		0.904	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/24/2022 15:27	WG1915883
1,2-Dibromoethane	U		0.420	2.00	20	08/24/2022 15:27	WG1915883
Dibromomethane	U		0.800	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dichlorobenzene	U		1.16	4.00	20	08/24/2022 15:27	WG1915883
1,3-Dichlorobenzene	U		1.36	4.00	20	08/24/2022 15:27	WG1915883
1,4-Dichlorobenzene	U		1.58	4.00	20	08/24/2022 15:27	WG1915883
Dichlorodifluoromethane	U		0.654	2.00	20	08/24/2022 15:27	WG1915883
1,1-Dichloroethane	U		0.460	2.00	20	08/24/2022 15:27	WG1915883
1,2-Dichloroethane	U		0.380	2.00	20	08/24/2022 15:27	WG1915883
1,1-Dichloroethene	0.940	J	0.400	2.00	20	08/24/2022 15:27	WG1915883
cis-1,2-Dichloroethene	491		0.552	2.00	20	08/24/2022 15:27	WG1915883
trans-1,2-Dichloroethene	6.02		1.14	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dichloropropane	U		1.02	4.00	20	08/24/2022 15:27	WG1915883

JC 9/15/22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.560	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,3-Dichloropropane	U		1.40	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
2,2-Dichloropropane	U		0.634	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Di-isopropyl ether	U		0.280	0.800	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Ethylbenzene	U		0.424	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Isopropylbenzene	U		0.690	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
p-Isopropyltoluene	U		1.86	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
2-Butanone (MEK)	U		10.0	20.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Methylene Chloride	U		5.30	20.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Methyl tert-butyl ether	U		0.236	0.800	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Naphthalene	U		2.48	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
n-Propylbenzene	U		0.944	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Styrene	U		2.18	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Tetrachloroethene	U		0.560	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Toluene	U		1.00	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,2,3-Trichlorobenzene	U		0.500	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,1,1-Trichloroethane	U		0.220	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,1,2-Trichloroethane	U		0.706	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Trichloroethene	U		0.320	0.800	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Trichlorofluoromethane	U		0.400	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,2,3-Trichloropropane	U		4.08	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Vinyl chloride	1010		0.546	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Xylenes, Total	U		3.82	5.20	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Ethyl Ether	U		0.340	2.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Tetrahydrofuran	U		1.80	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Iodomethane	U		4.84	10.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Allyl chloride	U		11.6	20.0	20	08/24/2022 15:27	<a href="#">WG1915883</a>
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/24/2022 15:27	<a href="#">WG1915883</a>
(S) Toluene-d8	110			75.0-131		08/24/2022 15:27	<a href="#">WG1915883</a>
(S) 4-Bromofluorobenzene	102			67.0-138		08/24/2022 15:27	<a href="#">WG1915883</a>
(S) 1,2-Dichloroethane-d4	80.6			70.0-130		08/24/2022 15:27	<a href="#">WG1915883</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1525285-09 WG1915883: Target compounds too high to run at a lower dilution.

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	3220	J	594	5000	1	08/26/2022 04:33	<a href="#">WG1916342</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1820	B	102	1000	1	09/07/2022 18:06	<a href="#">WG1919870</a>

Metals (ICPMS) by Method 6020B

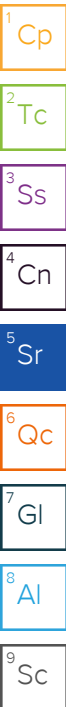
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5200		28.1	100	1	08/31/2022 15:06	<a href="#">WG1918324</a>
Manganese	536		0.704	5.00	1	08/31/2022 15:06	<a href="#">WG1918324</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	133		0.287	0.678	1	08/29/2022 15:57	<a href="#">WG1916684</a>
Ethane	U		0.296	1.29	1	08/29/2022 15:57	<a href="#">WG1916684</a>
Ethene	8.20		0.422	1.27	1	08/29/2022 15:57	<a href="#">WG1916684</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.30		0.548	1.00	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Acrylonitrile	U		0.0760	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Benzene	U		0.0160	0.0400	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Bromobenzene	U		0.0420	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Bromodichloromethane	U		0.0315	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Bromoform	U		0.239	1.00	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Bromomethane	U		0.148	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
n-Butylbenzene	U		0.153	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
sec-Butylbenzene	U		0.101	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
tert-Butylbenzene	U		0.0620	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Carbon tetrachloride	U		0.0432	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Chlorobenzene	U		0.0229	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Chlorodibromomethane	U		0.0180	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Chloroethane	U		0.0432	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Chloroform	U		0.0166	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Chloromethane	U		0.0556	0.500	1	09/01/2022 15:36	<a href="#">WG1920159</a>
2-Chlorotoluene	U		0.0368	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
4-Chlorotoluene	U		0.0452	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,2-Dibromoethane	U		0.0210	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Dibromomethane	U		0.0400	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,1-Dichloroethane	U		0.0230	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,2-Dichloroethane	U		0.0190	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,1-Dichloroethene	0.293		0.0200	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
cis-1,2-Dichloroethene	4.66		0.0276	0.100	1	09/01/2022 15:36	<a href="#">WG1920159</a>
trans-1,2-Dichloroethene	0.234		0.0572	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>
1,2-Dichloropropane	U		0.0508	0.200	1	09/01/2022 15:36	<a href="#">WG1920159</a>



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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	09/01/2022 15:36	WG1920159
1,3-Dichloropropane	U		0.0700	0.200	1	09/01/2022 15:36	WG1920159
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/01/2022 15:36	WG1920159
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/01/2022 15:36	WG1920159
2,2-Dichloropropane	U		0.0317	0.100	1	09/01/2022 15:36	WG1920159
Di-isopropyl ether	U		0.0140	0.0400	1	09/01/2022 15:36	WG1920159
Ethylbenzene	U		0.0212	0.100	1	09/01/2022 15:36	WG1920159
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/01/2022 15:36	WG1920159
Isopropylbenzene	U		0.0345	0.100	1	09/01/2022 15:36	WG1920159
p-Isopropyltoluene	U		0.0932	0.200	1	09/01/2022 15:36	WG1920159
2-Butanone (MEK)	U	<del>J3</del>	0.500	1.00	1	09/01/2022 15:36	WG1920159
Methylene Chloride	U		0.265	1.00	1	09/01/2022 15:36	WG1920159
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/01/2022 15:36	WG1920159
Methyl tert-butyl ether	U		0.0118	0.0400	1	09/01/2022 15:36	WG1920159
Naphthalene	U	<del>J4</del>	0.124	0.500	1	09/01/2022 15:36	WG1920159
n-Propylbenzene	U		0.0472	0.200	1	09/01/2022 15:36	WG1920159
Styrene	U		0.109	0.500	1	09/01/2022 15:36	WG1920159
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/01/2022 15:36	WG1920159
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/01/2022 15:36	WG1920159
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/01/2022 15:36	WG1920159
Tetrachloroethene	U		0.0280	0.100	1	09/01/2022 15:36	WG1920159
Toluene	U		0.0500	0.200	1	09/01/2022 15:36	WG1920159
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/01/2022 15:36	WG1920159
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/01/2022 15:36	WG1920159
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/01/2022 15:36	WG1920159
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/01/2022 15:36	WG1920159
Trichloroethene	U		0.0160	0.0400	1	09/01/2022 15:36	WG1920159
Trichlorofluoromethane	U		0.0200	0.100	1	09/01/2022 15:36	WG1920159
1,2,3-Trichloropropane	U		0.204	0.500	1	09/01/2022 15:36	WG1920159
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/01/2022 15:36	WG1920159
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/01/2022 15:36	WG1920159
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/01/2022 15:36	WG1920159
Vinyl chloride	14.4		0.0273	0.100	1	09/01/2022 15:36	WG1920159
Xylenes, Total	U		0.191	0.260	1	09/01/2022 15:36	WG1920159
Ethyl Ether	U		0.0170	0.100	1	09/01/2022 15:36	WG1920159
Tetrahydrofuran	2.67	<del>J3</del>	0.0900	0.500	1	09/01/2022 15:36	WG1920159
Iodomethane	U		0.242	0.500	1	09/01/2022 15:36	WG1920159
Allyl chloride	U		0.580	1.00	1	09/01/2022 15:36	WG1920159
Trans-1,4-Dichloro-2-butene	U	<del>J3</del>	0.0560	0.200	1	09/01/2022 15:36	WG1920159
(S) Toluene-d8	112			75.0-131		09/01/2022 15:36	WG1920159
(S) 4-Bromofluorobenzene	108			67.0-138		09/01/2022 15:36	WG1920159
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		09/01/2022 15:36	WG1920159

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1230	J	594	5000	1	08/26/2022 05:14	<a href="#">WG1916342</a>

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4180		102	1000	1	09/07/2022 18:22	<a href="#">WG1919870</a>

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2300		28.1	100	1	08/31/2022 15:15	<a href="#">WG1918324</a>
Manganese	1250		0.704	5.00	1	08/31/2022 15:15	<a href="#">WG1918324</a>

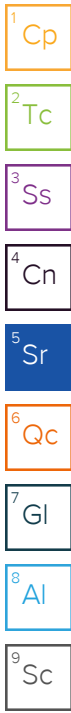
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20100		2.87	6.78	10	08/30/2022 09:52	<a href="#">WG1918228</a>
Ethane	121		0.296	1.29	1	08/29/2022 16:01	<a href="#">WG1916684</a>
Ethene	8.01		0.422	1.27	1	08/29/2022 16:01	<a href="#">WG1916684</a>

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.65		0.548	1.00	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Acrylonitrile	U		0.0760	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Benzene	U		0.0160	0.0400	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Bromobenzene	U		0.0420	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Bromodichloromethane	U		0.0315	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Bromoform	U		0.239	1.00	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Bromomethane	U		0.148	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
n-Butylbenzene	U		0.153	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
sec-Butylbenzene	U		0.101	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
tert-Butylbenzene	U		0.0620	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Carbon tetrachloride	U		0.0432	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Chlorobenzene	U		0.0229	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Chlorodibromomethane	U		0.0180	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Chloroethane	U		0.0432	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Chloroform	U		0.0166	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Chloromethane	U		0.0556	0.500	1	09/01/2022 15:58	<a href="#">WG1920159</a>
2-Chlorotoluene	U		0.0368	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
4-Chlorotoluene	U		0.0452	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,2-Dibromoethane	U		0.0210	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Dibromomethane	U		0.0400	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
Dichlorodifluoromethane	U		0.0327	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,1-Dichloroethane	U		0.0230	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,2-Dichloroethane	U		0.0190	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,1-Dichloroethene	U		0.0200	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
cis-1,2-Dichloroethene	0.150		0.0276	0.100	1	09/01/2022 15:58	<a href="#">WG1920159</a>
trans-1,2-Dichloroethene	U		0.0572	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>
1,2-Dichloropropane	U		0.0508	0.200	1	09/01/2022 15:58	<a href="#">WG1920159</a>

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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	09/01/2022 15:58	WG1920159
1,3-Dichloropropane	U		0.0700	0.200	1	09/01/2022 15:58	WG1920159
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/01/2022 15:58	WG1920159
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/01/2022 15:58	WG1920159
2,2-Dichloropropane	U		0.0317	0.100	1	09/01/2022 15:58	WG1920159
Di-isopropyl ether	U		0.0140	0.0400	1	09/01/2022 15:58	WG1920159
Ethylbenzene	U		0.0212	0.100	1	09/01/2022 15:58	WG1920159
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/01/2022 15:58	WG1920159
Isopropylbenzene	U		0.0345	0.100	1	09/01/2022 15:58	WG1920159
p-Isopropyltoluene	U		0.0932	0.200	1	09/01/2022 15:58	WG1920159
2-Butanone (MEK)	U	J3	0.500	1.00	1	09/01/2022 15:58	WG1920159
Methylene Chloride	U		0.265	1.00	1	09/01/2022 15:58	WG1920159
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/01/2022 15:58	WG1920159
Methyl tert-butyl ether	U		0.0118	0.0400	1	09/01/2022 15:58	WG1920159
Naphthalene	U	J4	0.124	0.500	1	09/01/2022 15:58	WG1920159
n-Propylbenzene	U		0.0472	0.200	1	09/01/2022 15:58	WG1920159
Styrene	U		0.109	0.500	1	09/01/2022 15:58	WG1920159
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/01/2022 15:58	WG1920159
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/01/2022 15:58	WG1920159
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/01/2022 15:58	WG1920159
Tetrachloroethene	U		0.0280	0.100	1	09/01/2022 15:58	WG1920159
Toluene	U		0.0500	0.200	1	09/01/2022 15:58	WG1920159
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/01/2022 15:58	WG1920159
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/01/2022 15:58	WG1920159
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/01/2022 15:58	WG1920159
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/01/2022 15:58	WG1920159
Trichloroethene	0.0970		0.0160	0.0400	1	09/01/2022 15:58	WG1920159
Trichlorofluoromethane	U		0.0200	0.100	1	09/01/2022 15:58	WG1920159
1,2,3-Trichloropropane	U		0.204	0.500	1	09/01/2022 15:58	WG1920159
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/01/2022 15:58	WG1920159
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/01/2022 15:58	WG1920159
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/01/2022 15:58	WG1920159
Vinyl chloride	0.151		0.0273	0.100	1	09/01/2022 15:58	WG1920159
Xylenes, Total	U		0.191	0.260	1	09/01/2022 15:58	WG1920159
Ethyl Ether	U		0.0170	0.100	1	09/01/2022 15:58	WG1920159
Tetrahydrofuran	U	J5	0.0900	0.500	1	09/01/2022 15:58	WG1920159
Iodomethane	U		0.242	0.500	1	09/01/2022 15:58	WG1920159
Allyl chloride	U		0.580	1.00	1	09/01/2022 15:58	WG1920159
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	09/01/2022 15:58	WG1920159
(S) Toluene-d8	108			75.0-131		09/01/2022 15:58	WG1920159
(S) 4-Bromofluorobenzene	101			67.0-138		09/01/2022 15:58	WG1920159
(S) 1,2-Dichloroethane-d4	98.7			70.0-130		09/01/2022 15:58	WG1920159

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/15/22



## PES Environmental, Inc.- WA

Sample Delivery Group: L1391360  
Samples Received: 08/17/2021  
Project Number: 1413.001.02.501.06  
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jason Romer  
Project Manager

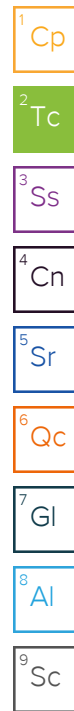
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

## SV-05-081221 L1391360-01 Air

Collected by CD/SK      Collected date/time 08/12/21 12:09      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 13:51	08/18/21 13:51	DAH	Mt. Juliet, TN

1 Cp

2 Tc

## SV-04-081221 L1391360-02 Air

Collected by CD/SK      Collected date/time 08/12/21 12:57      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 14:35	08/18/21 14:35	DAH	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

## SV-15-081221 L1391360-03 Air

Collected by CD/SK      Collected date/time 08/12/21 13:37      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 15:17	08/18/21 15:17	DAH	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

## SV-13-081221 L1391360-04 Air

Collected by CD/SK      Collected date/time 08/12/21 14:28      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 16:02	08/18/21 16:02	DAH	Mt. Juliet, TN

9 Sc

## SV-16-081321 L1391360-05 Air

Collected by CD/SK      Collected date/time 08/13/21 13:41      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 16:45	08/18/21 16:45	DAH	Mt. Juliet, TN

## SV-908-081221 L1391360-06 Air

Collected by CD/SK      Collected date/time 08/12/21 10:00      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 17:27	08/18/21 17:27	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1725997	10	08/19/21 12:40	08/19/21 12:40	FKG	Mt. Juliet, TN

## SV01-081421 L1391360-07 Air

Collected by CD/SK      Collected date/time 08/14/21 08:55      Received date/time 08/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1725234	1	08/18/21 18:08	08/18/21 18:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1725997	10	08/19/21 13:21	08/19/21 13:21	FKG	Mt. Juliet, TN

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jason Romer  
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.9	28.3		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	72.5	226		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	11.8	22.2		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	0.239	1.04		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.242	1.19		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.736	4.14		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.357	1.77		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	0.353	1.44		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	0.694	2.45		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.86	8.43		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	1.55	3.81		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	14.3	97.1		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	0.772	2.91		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.09	5.35		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.266	1.31		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	0.950	4.12		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	0.382	1.66		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.8				<a href="#">WG1725234</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.90	21.1		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	41.7	130		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	15.5	29.2		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.797	4.48		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.314	1.55		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.29	3.80		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	1.53	3.76		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	6.62	44.9		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.328	1.61		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.2				<a href="#">WG1725234</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.76	20.8		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	41.7	130		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	122	230	E	1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.823	4.62		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.312	1.54		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	4.36	10.7		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	0.699	2.63		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.282	1.38		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.0				<a href="#">WG1725234</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.87	16.3		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	12.6	39.2		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	44.3	216		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	14.8	27.9		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.448	2.52		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.422	2.09		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	1.34	3.29		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.569	3.86		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.5				<a href="#">WG1725234</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.53	8.39		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	13.2	41.1		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	23.3	43.9		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	1.48	8.32		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.378	1.87		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.863	5.86		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.310	1.52		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.1				<a href="#">WG1725234</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.49	5.92		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	9.15	29.2		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	8.27	40.3		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	17.0	58.5		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.14	24.6		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.381	1.51		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	8.34	33.1		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.655	2.60		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	ND	ND		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	0.678	2.39		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.32	15.8		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.535	2.91		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	111	519		10	<a href="#">WG1725997</a>
Vinyl chloride	75-01-4	62.50	2.00	5.11	174	445		10	<a href="#">WG1725997</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		166		J1		<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				<a href="#">WG1725997</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1391360-06 WG1725234: Surrogate failure due to matrix interference.

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.61	11.0		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	9.10	29.1		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	0.902	4.39		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	16.7	57.5		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.12	24.5		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.371	1.47		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	8.33	33.0		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.641	2.54		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	57.8	109		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	0.768	2.71		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	2.42	5.95		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.88	12.8		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.210	1.03		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	121	565		10	<a href="#">WG1725997</a>
Vinyl chloride	75-01-4	62.50	2.00	5.11	187	478		10	<a href="#">WG1725997</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		165		J1		<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				<a href="#">WG1725997</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1391360-07 WG1725234: Surrogate failure due to matrix interference.



Method Blank (MB)

(MB) R3693780-3 08/18/21 10:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

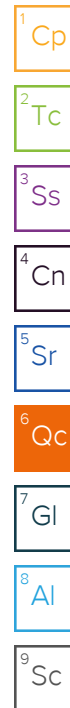
<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3693780-3 08/18/21 10:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.131	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	1.25
(S) 1,4-Bromofluorobenzene	96.5			60.0-140



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3693780-1 08/18/21 08:50 • (LCSD) R3693780-2 08/18/21 09:32

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Ethanol	3.75	3.92	3.91	105	104	55.0-148			0.255	25
Propene	3.75	4.16	4.07	111	109	64.0-144			2.19	25
Dichlorodifluoromethane	3.75	3.81	3.85	102	103	64.0-139			1.04	25
1,2-Dichlorotetrafluoroethane	3.75	3.80	3.92	101	105	70.0-130			3.11	25
Chloromethane	3.75	3.92	3.89	105	104	70.0-130			0.768	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3693780-1 08/18/21 08:50 • (LCSD) R3693780-2 08/18/21 09:32

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	3.75	3.92	3.91	105	104	70.0-130			0.255	25
1,3-Butadiene	3.75	3.97	3.90	106	104	70.0-130			1.78	25
Bromomethane	3.75	3.94	3.92	105	105	70.0-130			0.509	25
Chloroethane	3.75	4.07	4.15	109	111	70.0-130			1.95	25
Trichlorofluoromethane	3.75	3.79	3.81	101	102	70.0-130			0.526	25
1,1,2-Trichlorotrifluoroethane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
1,1-Dichloroethene	3.75	3.84	3.89	102	104	70.0-130			1.29	25
1,1-Dichloroethane	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Acetone	3.75	3.80	3.79	101	101	70.0-130			0.264	25
2-Propanol	3.75	4.04	3.99	108	106	70.0-139			1.25	25
Carbon disulfide	3.75	3.90	3.87	104	103	70.0-130			0.772	25
Methylene Chloride	3.75	3.91	3.83	104	102	70.0-130			2.07	25
MTBE	3.75	3.85	3.84	103	102	70.0-130			0.260	25
trans-1,2-Dichloroethene	3.75	3.91	3.93	104	105	70.0-130			0.510	25
n-Hexane	3.75	3.94	3.87	105	103	70.0-130			1.79	25
Vinyl acetate	3.75	4.31	4.34	115	116	70.0-130			0.694	25
Methyl Ethyl Ketone	3.75	4.23	4.30	113	115	70.0-130			1.64	25
cis-1,2-Dichloroethene	3.75	3.86	3.85	103	103	70.0-130			0.259	25
Chloroform	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
Cyclohexane	3.75	3.88	3.85	103	103	70.0-130			0.776	25
1,1,1-Trichloroethane	3.75	3.78	3.80	101	101	70.0-130			0.528	25
Carbon tetrachloride	3.75	3.77	3.80	101	101	70.0-130			0.793	25
Benzene	3.75	3.89	3.79	104	101	70.0-130			2.60	25
1,2-Dichloroethane	3.75	3.74	3.61	99.7	96.3	70.0-130			3.54	25
Heptane	3.75	3.89	3.69	104	98.4	70.0-130			5.28	25
Trichloroethylene	3.75	3.76	3.87	100	103	70.0-130			2.88	25
1,2-Dichloropropane	3.75	3.81	3.93	102	105	70.0-130			3.10	25
1,4-Dioxane	3.75	3.93	3.89	105	104	70.0-140			1.02	25
Bromodichloromethane	3.75	3.80	3.81	101	102	70.0-130			0.263	25
cis-1,3-Dichloropropene	3.75	3.91	3.89	104	104	70.0-130			0.513	25
4-Methyl-2-pentanone (MIBK)	3.75	4.02	3.96	107	106	70.0-139			1.50	25
Toluene	3.75	3.85	3.84	103	102	70.0-130			0.260	25
trans-1,3-Dichloropropene	3.75	3.96	3.97	106	106	70.0-130			0.252	25
1,1,2-Trichloroethane	3.75	3.89	3.81	104	102	70.0-130			2.08	25
Tetrachloroethylene	3.75	3.78	3.76	101	100	70.0-130			0.531	25
Methyl Butyl Ketone	3.75	4.15	4.09	111	109	70.0-149			1.46	25
Dibromochloromethane	3.75	3.85	3.82	103	102	70.0-130			0.782	25
1,2-Dibromoethane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
Chlorobenzene	3.75	3.83	3.79	102	101	70.0-130			1.05	25
Ethylbenzene	3.75	3.91	3.89	104	104	70.0-130			0.513	25

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3693780-1 08/18/21 08:50 • (LCSD) R3693780-2 08/18/21 09:32

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
m&p-Xylene	7.50	7.77	7.73	104	103	70.0-130			0.516	25
o-Xylene	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Styrene	3.75	3.95	3.96	105	106	70.0-130			0.253	25
Bromoform	3.75	3.88	3.86	103	103	70.0-130			0.517	25
1,1,2,2-Tetrachloroethane	3.75	3.84	3.85	102	103	70.0-130			0.260	25
4-Ethyltoluene	3.75	3.99	3.90	106	104	70.0-130			2.28	25
1,3,5-Trimethylbenzene	3.75	3.77	3.93	101	105	70.0-130			4.16	25
1,2,4-Trimethylbenzene	3.75	3.92	3.90	105	104	70.0-130			0.512	25
1,3-Dichlorobenzene	3.75	3.93	3.93	105	105	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	4.00	4.02	107	107	70.0-130			0.499	25
Benzyl Chloride	3.75	4.05	4.02	108	107	70.0-152			0.743	25
1,2-Dichlorobenzene	3.75	3.91	3.88	104	103	70.0-130			0.770	25
1,2,4-Trichlorobenzene	3.75	4.04	4.07	108	109	70.0-160			0.740	25
Hexachloro-1,3-butadiene	3.75	3.86	3.91	103	104	70.0-151			1.29	25
Naphthalene	3.75	4.19	4.20	112	112	70.0-159			0.238	25
Allyl Chloride	3.75	4.11	3.94	110	105	70.0-130			4.22	25
2-Chlorotoluene	3.75	3.81	3.81	102	102	70.0-130			0.000	25
Methyl Methacrylate	3.75	3.91	4.11	104	110	70.0-130			4.99	25
Tetrahydrofuran	3.75	4.02	3.95	107	105	70.0-137			1.76	25
2,2,4-Trimethylpentane	3.75	3.83	3.80	102	101	70.0-130			0.786	25
Vinyl Bromide	3.75	3.88	3.89	103	104	70.0-130			0.257	25
Isopropylbenzene	3.75	3.89	3.88	104	103	70.0-130			0.257	25
(S) 1,4-Bromofluorobenzene				98.7	98.5	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3694029-2 08/19/21 10:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
<i>(S) 1,4-Bromofluorobenzene</i>	93.6			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3694029-1 08/19/21 09:35 • (LCSD) R3694029-3 08/19/21 10:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Vinyl chloride	3.75	4.73	4.65	126	124	70.0-130			1.71	25
2,2,4-Trimethylpentane	3.75	4.70	4.73	125	126	70.0-130			0.636	25
<i>(S) 1,4-Bromofluorobenzene</i>				95.9	98.6	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

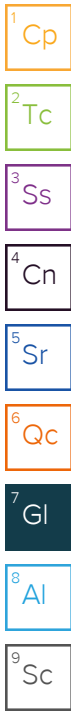
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl


<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**PES Environmental, Inc.- WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
 Attn: Accounts Payable  
 1215 Fourth Ave., Ste. 1350  
 Seattle, WA 98161

Analysis / Container / Preservative									

Chain of Custody Page 1 of 1  
  
 12065 Lebanon Rd Mount Juliet, TN 37122  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 SMcKernan@pesenv.com; boneal@pesenv.com;

Project Description:  
**American Linen**

City/State Collected: **Seattle, WA**

Please Circle:  
 PT MT CT ET

Phone: **206-529-3980**

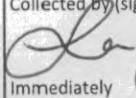
Client Project #  
**1413.001.02.501.06**

Lab Project #  
**PESENVSWA-ALP**

Collected by (print): **Christa DeBor**  
**Sean Kounovsky**

Site/Facility ID #

P.O. #

Collected by (signature):  
  
 Immediately Packed on Ice  Y  N

Rush? (Lab MUST Be Notified)  
 Same Day  Five Day  
 Next Day  5 Day (Rad Only)  
 Two Day  10 Day (Rad Only)  
 Three Day

Quote #  
 Date Results Needed  
**STANDARD**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

SV-05-081221	Grab	Air	NA	8/12/21	1209	1
SV-04-081221	↓	↓	↓	↓	1257	1
SV-15-081221	↓	↓	↓	↓	1337	1
SV-13-081221	↓	↓	↓	↓	1428	1
SV-16-081321	↓	↓	↓	8/13/21	1341	1
SV-908-081221	↓	↓	↓	8/12/21	1000	1
SV01-081421	↓	↓	↓	8/14/21	0855	1

TO-15 Summa																			
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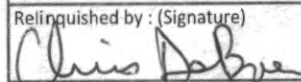
SDG # **U391360**  
**G113**  
 Table #  
 Acctnum: **PESENVSWA**  
 Template: **T192136**  
 Prelogin: **P865963**  
 PM: **546 - Jared Starkey**  
 PB: **CSV 08/10/21**  
 Shipped Via: **FedEX Priority**

\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other

Remarks:  
 Samples returned via:  
 UPS  FedEx  Courier  
 Tracking # **9362 4956 0479**

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Sample Receipt Checklist  
 COC Seal Present/Intact:  Y  N  
 COC Signed/Accurate:  Y  N  
 Bottles arrive intact:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
 If Applicable  
 VOA Zero Headspace:  Y  N  
 Preservation Correct/Checked:  Y  N  
 RAD Screen <0.5 mR/hr:  Y  N

Relinquished by: (Signature)  
  
 Relinquished by: (Signature)  
 Relinquished by: (Signature)

Date: **8/15/21**  
 Time: **1045**

Received by: (Signature)  
 Received by: (Signature)  
 Received for lab by: (Signature)  
**B. Burtas**

Trip Blank Received: Yes/No  
 HCL/MeOH  
 TBR  
 Temp: °C **Pub**  
 Bottles Received: **17**  
 Date: **8-17-21**  
 Time: **0900**

If preservation required by Login: Date/Time  
 Hold:  
 Condition: **NCF / OK**



December 28, 2021

Revised Report

## PES Environmental, Inc.- WA

Sample Delivery Group: L1444155  
Samples Received: 12/18/2021  
Project Number: 1413.001.02.501.06  
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:











Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

SV-18-121621 L1444155-01 Air

Collected by: R.T. McLaughlin  
 Collected date/time: 12/16/21 12:39  
 Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1792264	1	12/20/21 20:03	12/20/21 20:03	FKG	Mt. Juliet, TN

1 Cp

2 Tc

SV01-121721 L1444155-02 Air

Collected by: R.T. McLaughlin  
 Collected date/time: 12/17/21 09:08  
 Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1792264	1	12/20/21 20:39	12/20/21 20:39	FKG	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

## Report Revision History

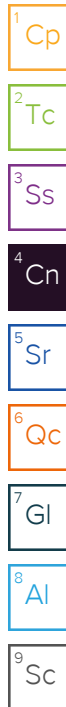
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Level II Report - Version 1: 12/27/21 13:44  
Level II Report - Version 2: 12/27/21 15:22

## Project Narrative

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ID Correction



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1792264
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1792264
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1792264
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1792264
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1792264
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1792264
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1792264
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1792264
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.598	1.86		1	WG1792264
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1792264
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1792264
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1792264
Chloroform	67-66-3	119	0.200	0.973	0.497	2.42		1	WG1792264
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1792264
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1792264
Cyclohexane	110-82-7	84.20	0.200	0.689	0.664	2.29		1	WG1792264
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1792264
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1792264
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1792264
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1792264
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1792264
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1792264
1,1-Dichloroethane	75-34-3	98	0.200	0.802	4.56	18.3		1	WG1792264
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1792264
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1792264
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1792264
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1792264
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1792264
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1792264
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1792264
Ethanol	64-17-5	46.10	1.25	2.36	4.93	9.30		1	WG1792264
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1792264
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1792264
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1792264
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.211	1.04		1	WG1792264
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1792264
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1792264
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1792264
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1792264
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1792264
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1792264
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.889	3.09		1	WG1792264
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1792264
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1792264
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1792264
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1792264
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1792264
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1792264
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1792264
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1792264
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1792264
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1792264
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1792264
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1792264
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1792264
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1792264

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	6.80	37.0		1	<a href="#">WG1792264</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1792264</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1792264</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1792264</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1792264</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	10.5	49.1		1	<a href="#">WG1792264</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	11.2	28.6		1	<a href="#">WG1792264</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1792264</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1792264</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1792264</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1792264</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.5				<a href="#">WG1792264</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.25	2.97		1	WG1792264
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1792264
Benzene	71-43-2	78.10	0.200	0.639	5.90	18.8		1	WG1792264
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1792264
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1792264
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1792264
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1792264
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1792264
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1792264
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1792264
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1792264
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1792264
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1792264
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1792264
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1792264
Cyclohexane	110-82-7	84.20	0.200	0.689	2.89	9.95		1	WG1792264
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1792264
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1792264
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1792264
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1792264
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1792264
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1792264
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.27	13.1		1	WG1792264
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1792264
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	5.85	23.2		1	WG1792264
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.416	1.65		1	WG1792264
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1792264
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1792264
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1792264
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1792264
Ethanol	64-17-5	46.10	1.25	2.36	3.42	6.45		1	WG1792264
Ethylbenzene	100-41-4	106	0.200	0.867	0.338	1.47		1	WG1792264
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1792264
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1792264
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1792264
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1792264
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1792264
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1792264
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1792264
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1792264
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1792264
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1792264
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1792264
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1792264
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1792264
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1792264
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1792264
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1792264
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1792264
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1792264
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1792264
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1792264
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.20	8.15		1	WG1792264
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1792264
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1792264
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1792264

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.240	1.31		1	<a href="#">WG1792264</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1792264</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1792264</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1792264</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1792264</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	44.2	206		1	<a href="#">WG1792264</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	62.6	160		1	<a href="#">WG1792264</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1792264</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1792264</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	0.931	4.04		1	<a href="#">WG1792264</a>
o-Xylene	95-47-6	106	0.200	0.867	0.382	1.66		1	<a href="#">WG1792264</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		121				<a href="#">WG1792264</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3743061-3 12/20/21 10:31

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

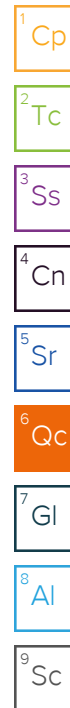
<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3743061-3 12/20/21 10:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.196	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	1.25
(S) 1,4-Bromofluorobenzene	91.9			60.0-140



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3743061-1 12/20/21 09:06 • (LCSD) R3743061-2 12/20/21 09:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Ethanol	3.75	3.64	3.59	97.1	95.7	55.0-148			1.38	25
Propene	3.75	3.66	3.64	97.6	97.1	64.0-144			0.548	25
Dichlorodifluoromethane	3.75	3.30	3.34	88.0	89.1	64.0-139			1.20	25
1,2-Dichlorotetrafluoroethane	3.75	4.11	4.13	110	110	70.0-130			0.485	25
Chloromethane	3.75	3.71	3.87	98.9	103	70.0-130			4.22	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3743061-1 12/20/21 09:06 • (LCSD) R3743061-2 12/20/21 09:49

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	3.75	3.70	3.78	98.7	101	70.0-130			2.14	25
1,3-Butadiene	3.75	3.46	3.52	92.3	93.9	70.0-130			1.72	25
Bromomethane	3.75	3.64	3.81	97.1	102	70.0-130			4.56	25
Chloroethane	3.75	3.56	3.48	94.9	92.8	70.0-130			2.27	25
Trichlorofluoromethane	3.75	4.04	4.12	108	110	70.0-130			1.96	25
1,1,2-Trichlorotrifluoroethane	3.75	4.05	4.15	108	111	70.0-130			2.44	25
1,1-Dichloroethene	3.75	3.85	3.90	103	104	70.0-130			1.29	25
1,1-Dichloroethane	3.75	3.86	3.91	103	104	70.0-130			1.29	25
Acetone	3.75	3.72	3.79	99.2	101	70.0-130			1.86	25
2-Propanol	3.75	3.71	3.78	98.9	101	70.0-139			1.87	25
Carbon disulfide	3.75	4.15	4.23	111	113	70.0-130			1.91	25
Methylene Chloride	3.75	3.65	3.78	97.3	101	70.0-130			3.50	25
MTBE	3.75	3.99	4.06	106	108	70.0-130			1.74	25
trans-1,2-Dichloroethene	3.75	3.85	3.99	103	106	70.0-130			3.57	25
n-Hexane	3.75	3.89	3.97	104	106	70.0-130			2.04	25
Vinyl acetate	3.75	3.81	3.81	102	102	70.0-130			0.000	25
Methyl Ethyl Ketone	3.75	4.00	3.90	107	104	70.0-130			2.53	25
cis-1,2-Dichloroethene	3.75	3.89	3.97	104	106	70.0-130			2.04	25
Chloroform	3.75	4.11	4.08	110	109	70.0-130			0.733	25
Cyclohexane	3.75	3.99	4.00	106	107	70.0-130			0.250	25
1,1,1-Trichloroethane	3.75	4.14	4.18	110	111	70.0-130			0.962	25
Carbon tetrachloride	3.75	4.14	4.20	110	112	70.0-130			1.44	25
Benzene	3.75	4.09	4.13	109	110	70.0-130			0.973	25
1,2-Dichloroethane	3.75	4.11	4.25	110	113	70.0-130			3.35	25
Heptane	3.75	3.66	3.79	97.6	101	70.0-130			3.49	25
Trichloroethylene	3.75	4.24	4.19	113	112	70.0-130			1.19	25
1,2-Dichloropropane	3.75	4.00	4.05	107	108	70.0-130			1.24	25
1,4-Dioxane	3.75	4.17	4.14	111	110	70.0-140			0.722	25
Bromodichloromethane	3.75	4.18	4.26	111	114	70.0-130			1.90	25
cis-1,3-Dichloropropene	3.75	4.05	4.12	108	110	70.0-130			1.71	25
4-Methyl-2-pentanone (MIBK)	3.75	3.85	3.82	103	102	70.0-139			0.782	25
Toluene	3.75	4.21	4.20	112	112	70.0-130			0.238	25
trans-1,3-Dichloropropene	3.75	4.13	4.15	110	111	70.0-130			0.483	25
1,1,2-Trichloroethane	3.75	4.16	4.17	111	111	70.0-130			0.240	25
Tetrachloroethylene	3.75	4.36	4.36	116	116	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	3.91	3.87	104	103	70.0-149			1.03	25
Dibromochloromethane	3.75	4.35	4.32	116	115	70.0-130			0.692	25
1,2-Dibromoethane	3.75	4.36	4.31	116	115	70.0-130			1.15	25
Chlorobenzene	3.75	4.23	4.28	113	114	70.0-130			1.18	25
Ethylbenzene	3.75	4.17	4.17	111	111	70.0-130			0.000	25

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3743061-1 12/20/21 09:06 • (LCSD) R3743061-2 12/20/21 09:49

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
m&p-Xylene	7.50	8.51	8.53	113	114	70.0-130			0.235	25
o-Xylene	3.75	4.12	4.20	110	112	70.0-130			1.92	25
Styrene	3.75	4.23	4.33	113	115	70.0-130			2.34	25
Bromoform	3.75	4.37	4.35	117	116	70.0-130			0.459	25
1,1,2,2-Tetrachloroethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
4-Ethyltoluene	3.75	3.91	3.95	104	105	70.0-130			1.02	25
1,3,5-Trimethylbenzene	3.75	3.96	3.95	106	105	70.0-130			0.253	25
1,2,4-Trimethylbenzene	3.75	3.90	3.95	104	105	70.0-130			1.27	25
1,3-Dichlorobenzene	3.75	3.98	4.03	106	107	70.0-130			1.25	25
1,4-Dichlorobenzene	3.75	4.02	4.06	107	108	70.0-130			0.990	25
Benzyl Chloride	3.75	3.90	4.03	104	107	70.0-152			3.28	25
1,2-Dichlorobenzene	3.75	3.86	3.93	103	105	70.0-130			1.80	25
1,2,4-Trichlorobenzene	3.75	4.28	4.40	114	117	70.0-160			2.76	25
Hexachloro-1,3-butadiene	3.75	4.40	4.47	117	119	70.0-151			1.58	25
Naphthalene	3.75	4.08	4.22	109	113	70.0-159			3.37	25
Allyl Chloride	3.75	3.76	3.82	100	102	70.0-130			1.58	25
2-Chlorotoluene	3.75	3.96	4.01	106	107	70.0-130			1.25	25
Methyl Methacrylate	3.75	4.06	4.02	108	107	70.0-130			0.990	25
Tetrahydrofuran	3.75	3.68	3.82	98.1	102	70.0-137			3.73	25
2,2,4-Trimethylpentane	3.75	3.89	3.94	104	105	70.0-130			1.28	25
Vinyl Bromide	3.75	4.10	3.98	109	106	70.0-130			2.97	25
Isopropylbenzene	3.75	3.98	4.06	106	108	70.0-130			1.99	25
<i>(S) 1,4-Bromofluorobenzene</i>				94.3	95.4	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

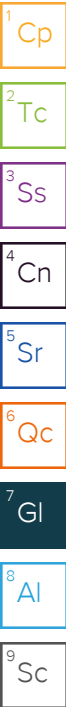
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**PES Environmental, Inc.- WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
 Attn: Accounts Payable  
 1215 Fourth Ave., Ste. 1350  
 Seattle, WA 98161

Pres Chk  
 Analysis / Container / Preservative



Report to:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 ShannonMcKernan@nv5.com;brian.oneal@nv5.

Project Description:  
**American Linen**

City/State Collected: **SEATTLE WA**  
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #  
**1413.001.02.Sci**

Lab Project #  
**PESENVSWA-ALP**

Collected by (print):  
**R. McLAUGHLIN**

Site/Facility ID #

P.O. #

Collected by (signature):  
*[Signature]*  
 Immediately Packed on Ice N Y

Rush? (Lab MUST Be Notified)  
 \_\_\_ Same Day \_\_\_ Five Day  
 \_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
 \_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
 \_\_\_ Three Day

Quote #  
 Date Results Needed

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

No. of Cntrs

TO-15 Summa

**SV-18-121621**

**Grab**

**Air**

**6'**

**12/16/21**

**1239**

**1**

**X**

**SV01-121721**

**Grab**

**Air**

**12.3'**

**12/17/21**

**0908**

**1**

**X**

\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other

Remarks:  
 pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_  
 Samples returned via:  
 \_\_\_ UPS / FedEx \_\_\_ Courier  
 Tracking # **5349 7815 1660**

Sample Receipt Checklist	
COC Seal Present/Intact:	<input checked="" type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)  
*[Signature]*

Date: **12/17/21**  
 Time: **0950**

Received by: (Signature)

Trip Blank Received: Yes / No  
 HCL/MeOH  
 TBR

Relinquished by: (Signature)

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received by: (Signature)

Temp: **Amb** °C  
 Bottles Received: **2t/empty**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

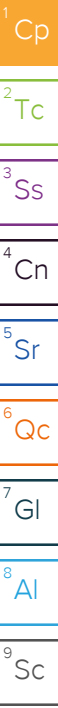
Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received for lab by: (Signature)  
**B. Baner**

Date: **12/18/21**  
 Time: **1000**

Hold: \_\_\_\_\_  
 Condition: **NCF / OK**





## PES Environmental, Inc.- WA

Sample Delivery Group: L1469374  
Samples Received: 03/09/2022  
Project Number: 1413.001.02.S01.06  
Description: American Linen

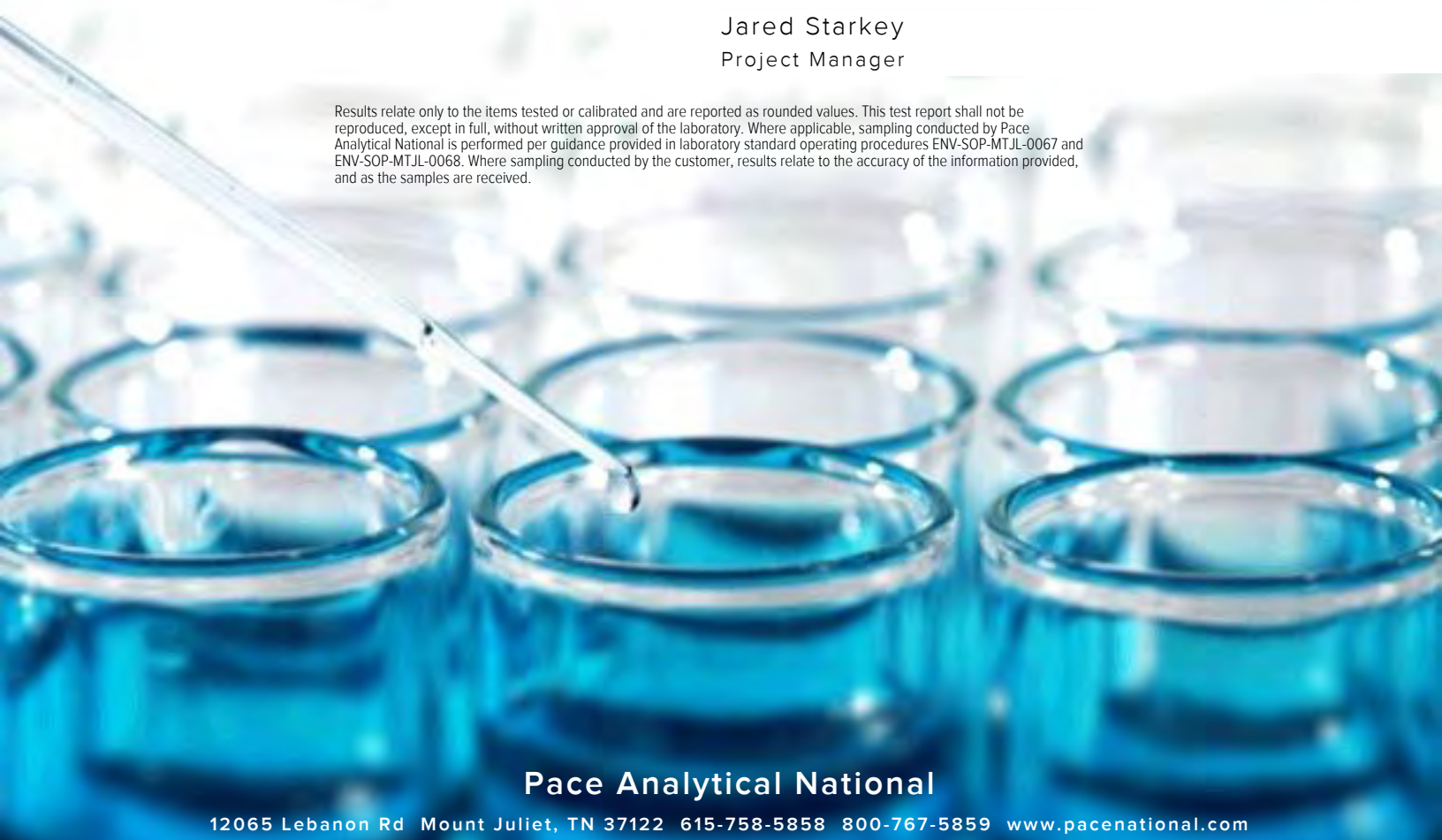
Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)



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# SAMPLE SUMMARY

## SV-09-030722 L1469374-01 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 09:12      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830338	1	03/10/22 18:22	03/10/22 18:22	CEP	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

## SV-08-030722 L1469374-02 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 10:03      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830338	1	03/10/22 18:51	03/10/22 18:51	CEP	Mt. Juliet, TN

<sup>4</sup> Cn

<sup>5</sup> Sr

## SV-909-030722 L1469374-03 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 11:30      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830338	1	03/10/22 19:20	03/10/22 19:20	CEP	Mt. Juliet, TN

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

## SV-18-030722 L1469374-04 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 11:44      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830338	1	03/10/22 19:49	03/10/22 19:49	CEP	Mt. Juliet, TN

<sup>9</sup> Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	1.53	2.88		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.314	1.76		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.384	1.90		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.961	6.52		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.7				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	26.7	63.4		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.07	3.33		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	37.6	70.9		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.258	1.45		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.328	1.62		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.67	16.7		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	11.2	27.5		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.891	6.05		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.327	0.964		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.429	2.11		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.6				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	0.290	0.765		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	0.274	1.33		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	0.483	1.66		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	4.02	16.1		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	3.59	6.77		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.617	3.05		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	0.701	2.47		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.280	0.826		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	6.04	32.9		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	12.7	59.3		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	13.3	34.0		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	0.280	0.739		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	0.271	1.32		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	0.443	1.53		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.99	16.0		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	11.2	21.1		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.688	3.40		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	0.638	2.25		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	6.01	32.7		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	12.7	59.3		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	13.1	33.5		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.4				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3768728-3 03/10/22 09:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3768728-3 03/10/22 09:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.0			60.0-140

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3768728-1 03/10/22 08:11 • (LCSD) R3768728-2 03/10/22 08:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.23	3.31	86.1	88.3	70.0-130			2.45	25
Allyl Chloride	3.75	3.47	3.46	92.5	92.3	70.0-130			0.289	25
Benzene	3.75	3.86	3.83	103	102	70.0-130			0.780	25
Benzyl Chloride	3.75	4.02	3.97	107	106	70.0-152			1.25	25
Bromodichloromethane	3.75	3.76	3.78	100	101	70.0-130			0.531	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3768728-1 03/10/22 08:11 • (LCSD) R3768728-2 03/10/22 08:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	3.75	3.89	3.89	104	104	70.0-130			0.000	25
Bromomethane	3.75	3.82	3.83	102	102	70.0-130			0.261	25
1,3-Butadiene	3.75	3.85	3.85	103	103	70.0-130			0.000	25
Carbon disulfide	3.75	3.59	3.57	95.7	95.2	70.0-130			0.559	25
Carbon tetrachloride	3.75	3.72	3.80	99.2	101	70.0-130			2.13	25
Chlorobenzene	3.75	3.93	3.92	105	105	70.0-130			0.255	25
Chloroethane	3.75	3.75	3.71	100	98.9	70.0-130			1.07	25
Chloroform	3.75	3.82	3.84	102	102	70.0-130			0.522	25
Chloromethane	3.75	3.51	3.57	93.6	95.2	70.0-130			1.69	25
2-Chlorotoluene	3.75	3.94	3.92	105	105	70.0-130			0.509	25
Cyclohexane	3.75	3.81	3.82	102	102	70.0-130			0.262	25
Dibromochloromethane	3.75	3.92	3.91	105	104	70.0-130			0.255	25
1,2-Dibromoethane	3.75	4.00	4.07	107	109	70.0-130			1.73	25
1,2-Dichlorobenzene	3.75	4.02	4.04	107	108	70.0-130			0.496	25
1,3-Dichlorobenzene	3.75	4.09	4.06	109	108	70.0-130			0.736	25
1,4-Dichlorobenzene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
1,2-Dichloroethane	3.75	3.81	3.75	102	100	70.0-130			1.59	25
1,1-Dichloroethane	3.75	3.75	3.77	100	101	70.0-130			0.532	25
1,1-Dichloroethene	3.75	3.68	3.67	98.1	97.9	70.0-130			0.272	25
cis-1,2-Dichloroethene	3.75	3.71	3.72	98.9	99.2	70.0-130			0.269	25
trans-1,2-Dichloroethene	3.75	3.67	3.69	97.9	98.4	70.0-130			0.543	25
1,2-Dichloropropane	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
cis-1,3-Dichloropropene	3.75	3.80	3.80	101	101	70.0-130			0.000	25
trans-1,3-Dichloropropene	3.75	3.80	3.76	101	100	70.0-130			1.06	25
1,4-Dioxane	3.75	3.84	3.91	102	104	70.0-140			1.81	25
Ethanol	3.75	3.49	3.46	93.1	92.3	55.0-148			0.863	25
Ethylbenzene	3.75	3.92	3.91	105	104	70.0-130			0.255	25
4-Ethyltoluene	3.75	4.07	4.08	109	109	70.0-130			0.245	25
Trichlorofluoromethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
Dichlorodifluoromethane	3.75	3.86	3.82	103	102	64.0-139			1.04	25
1,1,2-Trichlorotrifluoroethane	3.75	3.82	3.87	102	103	70.0-130			1.30	25
1,2-Dichlorotetrafluoroethane	3.75	3.81	3.82	102	102	70.0-130			0.262	25
Heptane	3.75	3.70	3.71	98.7	98.9	70.0-130			0.270	25
Hexachloro-1,3-butadiene	3.75	4.17	4.18	111	111	70.0-151			0.240	25
n-Hexane	3.75	3.69	3.76	98.4	100	70.0-130			1.88	25
Isopropylbenzene	3.75	3.99	3.99	106	106	70.0-130			0.000	25
Methylene Chloride	3.75	3.52	3.58	93.9	95.5	70.0-130			1.69	25
Methyl Butyl Ketone	3.75	3.83	3.81	102	102	70.0-149			0.524	25
Methyl Ethyl Ketone	3.75	3.86	3.90	103	104	70.0-130			1.03	25
4-Methyl-2-pentanone (MIBK)	3.75	3.77	3.76	101	100	70.0-139			0.266	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3768728-1 03/10/22 08:11 • (LCSD) R3768728-2 03/10/22 08:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl Methacrylate	3.75	3.82	3.83	102	102	70.0-130			0.261	25
MTBE	3.75	3.78	3.78	101	101	70.0-130			0.000	25
Naphthalene	3.75	4.44	4.43	118	118	70.0-159			0.225	25
2-Propanol	3.75	3.58	3.59	95.5	95.7	70.0-139			0.279	25
Propene	3.75	3.70	3.71	98.7	98.9	64.0-144			0.270	25
Styrene	3.75	3.96	3.98	106	106	70.0-130			0.504	25
1,1,2,2-Tetrachloroethane	3.75	3.95	3.93	105	105	70.0-130			0.508	25
Tetrachloroethylene	3.75	4.00	4.06	107	108	70.0-130			1.49	25
Tetrahydrofuran	3.75	3.60	3.61	96.0	96.3	70.0-137			0.277	25
Toluene	3.75	3.94	3.96	105	106	70.0-130			0.506	25
1,2,4-Trichlorobenzene	3.75	4.17	4.14	111	110	70.0-160			0.722	25
1,1,1-Trichloroethane	3.75	3.77	3.77	101	101	70.0-130			0.000	25
1,1,2-Trichloroethane	3.75	3.90	3.89	104	104	70.0-130			0.257	25
Trichloroethylene	3.75	3.86	3.82	103	102	70.0-130			1.04	25
1,2,4-Trimethylbenzene	3.75	4.05	4.06	108	108	70.0-130			0.247	25
1,3,5-Trimethylbenzene	3.75	4.05	4.02	108	107	70.0-130			0.743	25
2,2,4-Trimethylpentane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Vinyl chloride	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
Vinyl Bromide	3.75	3.80	3.80	101	101	70.0-130			0.000	25
Vinyl acetate	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
m&p-Xylene	7.50	8.06	7.98	107	106	70.0-130			0.998	25
o-Xylene	3.75	3.97	3.95	106	105	70.0-130			0.505	25
(S) 1,4-Bromofluorobenzene				99.2	98.8	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

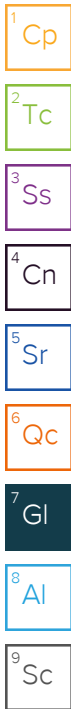
## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.



### Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**PES Environmental, Inc. - WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
 Attn: Accounts Payable  
 2101 4th Avenue, Suite 1310  
 Seattle, WA 98121

Analysis

Chain of Custody Page 1 of 1



12065 Lebanon Road Mt Juliet, TN 37122  
 Phone: 615-758-5858 Alt: 800-767-5859  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # U469374

D147

Accnum: **PESENVSWA**  
 Template: **T203745**  
 Prelogin: **P904946**  
 PM: 546 - Jared Starkey  
 PB: OR 02/26/22  
 Shipped Via: **FedEX Standard**

Rem./Contaminant Sample # (lab only)

Report To:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 Shannon.McKernan@nv5.com; brian.oneal@nv5.com; bill.haldeman@nv5.com; kim.vik@nv5.com; karsten.springstead@nv5.com

Project Description:  
**American Linen**

City/State Collected:  
**SEATTLE, WA**

Please Circle:  
 PT MT CT ET

Phone:  
**206-529-3980**

Client Project #  
413.001.02.501.06

Lab Project #  
**PESENVSWA-ALP**

Collected by (print):  
R. McLADGHLIN

Site/Facility ID #

P.O. #  
**443018-1413001.05.601**

Collected by (signature):

**Rush?** (Lab MUST Be Notified)  
 Same Day  Three Day  
 Next Day  Five Day  
 Two Day

Date Results Needed

Collection	Canister Pressure/Vacuum
Initial	Final

TO-15 Summa

Sample ID	Can #	Flow Cont. #	Date	Time	Initial	Final					
SV-09-030722	21071	5928	3/7/22	0912	-30	-5	X				-01
SV-08-030722	10657	10989		1003	-30	-4	X				-02
SV-09-030722	10736	21118		1130	-29	-4	X				-03
SV-18-030722	7376	11372	3/7/22	1144	-30	-5	X				-04

**Sample Receipt Checklist**  
 COC Seal Present/Intact: Y Y If Applicable  
 COC Signed/Accurate: Y N VOA Zero Headspace: Y N  
 Bottles arrive intact: Y N Pres. Correct/Check: Y N  
 Correct bottles used: Y N  
 Sufficient volume sent: Y N  
 RAD Screen <0.5 mR/hr: Y N

Remarks:  
2/4 boxes

4+1 empty

Relinquished by: (Signature) 			Date: <u>3/8/22</u>	Time: <u>1500</u>	Samples returned via: <u>UPS</u> <u>FedEx</u> <u>Courier</u>		Tracking # <u>5349 7820 312</u>	Hold #
Relinquished by: (Signature) 			Date:	Time:	Received by: (Signature)		Date:	Time:
Relinquished by: (Signature)			Date:	Time:	Received for lab by: (Signature) <u>D Ramsey</u>		Date: <u>3/9/22</u>	Time: <u>930</u>

Condition: (lab use only)  
  
 COC Seal Intact: Y N NA

NCF:

## PES Environmental, Inc.- WA

Sample Delivery Group: L1469378  
Samples Received: 03/09/2022  
Project Number: 1413.001.02.05.06  
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

## SV01-030822 L1469378-01 Air

Collected by R. McLaughlin      Collected date/time 03/08/22 14:03      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830953	1	03/11/22 11:30	03/11/22 11:30	CAW	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

## SV-17-030722 L1469378-02 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 14:54      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830953	1	03/11/22 12:12	03/11/22 12:12	CAW	Mt. Juliet, TN

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## SV-13-030722 L1469378-03 Air

Collected by R. McLaughlin      Collected date/time 03/07/22 15:41      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830953	1	03/11/22 12:55	03/11/22 12:55	CAW	Mt. Juliet, TN

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830953
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830953
Benzene	71-43-2	78.10	0.200	0.639	4.35	13.9		1	WG1830953
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830953
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830953
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830953
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830953
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830953
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830953
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830953
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830953
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830953
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830953
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830953
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830953
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830953
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830953
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830953
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830953
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830953
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830953
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830953
1,1-Dichloroethane	75-34-3	98	0.200	0.802	2.36	9.46		1	WG1830953
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830953
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	3.36	13.3		1	WG1830953
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.242	0.959		1	WG1830953
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830953
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830953
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830953
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830953
Ethanol	64-17-5	46.10	1.25	2.36	4.38	8.26		1	WG1830953
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830953
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830953
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1830953
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.951	4.70		1	WG1830953
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830953
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830953
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830953
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830953
n-Hexane	110-54-3	86.20	0.630	2.22	1.28	4.51		1	WG1830953
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830953
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830953
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830953
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830953
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830953
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830953
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830953
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830953
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830953
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830953
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830953
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830953
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.631	4.28		1	WG1830953
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830953
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830953
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830953

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830953</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830953</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830953</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	33.4	156		1	<a href="#">WG1830953</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	21.7	55.5		1	<a href="#">WG1830953</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830953</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830953</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830953</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830953</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				<a href="#">WG1830953</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.53	10.8		1	WG1830953
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830953
Benzene	71-43-2	78.10	0.200	0.639	0.208	0.664		1	WG1830953
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830953
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830953
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830953
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830953
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830953
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.720	2.24		1	WG1830953
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830953
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830953
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830953
Chloroform	67-66-3	119	0.200	0.973	1.68	8.18		1	WG1830953
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830953
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830953
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830953
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830953
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830953
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830953
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830953
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830953
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830953
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830953
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830953
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830953
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830953
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830953
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830953
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830953
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830953
Ethanol	64-17-5	46.10	1.25	2.36	38.9	73.3		1	WG1830953
Ethylbenzene	100-41-4	106	0.200	0.867	0.699	3.03		1	WG1830953
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.26	6.18		1	WG1830953
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.255	1.43		1	WG1830953
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.398	1.97		1	WG1830953
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830953
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830953
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830953
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830953
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830953
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830953
Methylene Chloride	75-09-2	84.90	0.200	0.694	2.39	8.30		1	WG1830953
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830953
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830953
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830953
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830953
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830953
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830953
2-Propanol	67-63-0	60.10	1.25	3.07	2.27	5.58		1	WG1830953
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830953
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830953
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830953
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.256	1.74		1	WG1830953
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830953
Toluene	108-88-3	92.10	0.500	1.88	3.36	12.7		1	WG1830953
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830953

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830953</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.13	5.55		1	<a href="#">WG1830953</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.417	2.05		1	<a href="#">WG1830953</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830953</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830953</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830953</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830953</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	3.73	16.2		1	<a href="#">WG1830953</a>
o-Xylene	95-47-6	106	0.200	0.867	1.41	6.11		1	<a href="#">WG1830953</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		90.7				<a href="#">WG1830953</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.74	6.51		1	WG1830953
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830953
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830953
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830953
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830953
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830953
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830953
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830953
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.40	4.36		1	WG1830953
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830953
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830953
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830953
Chloroform	67-66-3	119	0.200	0.973	14.8	72.0		1	WG1830953
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830953
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830953
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830953
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830953
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830953
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830953
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830953
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830953
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830953
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830953
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830953
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830953
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830953
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830953
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830953
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830953
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830953
Ethanol	64-17-5	46.10	1.25	2.36	2.98	5.62		1	WG1830953
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830953
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830953
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG1830953
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.540	2.67		1	WG1830953
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830953
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830953
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830953
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830953
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830953
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830953
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830953
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830953
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830953
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830953
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830953
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830953
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830953
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830953
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830953
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830953
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830953
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.399	2.71		1	WG1830953
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830953
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830953
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830953

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830953</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830953</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830953</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830953</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830953</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830953</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830953</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830953</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830953</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830953</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		89.2				<a href="#">WG1830953</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3769284-3 03/11/22 07:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	0.0689	U	0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3769284-3 03/11/22 07:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	89.9			60.0-140

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769284-1 03/11/22 06:23 • (LCSD) R3769284-2 03/11/22 07:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.99	3.87	106	103	70.0-130			3.05	25
Allyl Chloride	3.75	4.07	3.50	109	93.3	70.0-130			15.1	25
Benzene	3.75	4.06	4.02	108	107	70.0-130			0.990	25
Benzyl Chloride	3.75	4.04	4.16	108	111	70.0-152			2.93	25
Bromodichloromethane	3.75	3.90	3.98	104	106	70.0-130			2.03	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769284-1 03/11/22 06:23 • (LCSD) R3769284-2 03/11/22 07:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	3.75	3.81	3.93	102	105	70.0-130			3.10	25
Bromomethane	3.75	3.54	3.65	94.4	97.3	70.0-130			3.06	25
1,3-Butadiene	3.75	3.67	3.86	97.9	103	70.0-130			5.05	25
Carbon disulfide	3.75	3.64	3.80	97.1	101	70.0-130			4.30	25
Carbon tetrachloride	3.75	3.79	3.92	101	105	70.0-130			3.37	25
Chlorobenzene	3.75	3.97	4.02	106	107	70.0-130			1.25	25
Chloroethane	3.75	3.49	3.88	93.1	103	70.0-130			10.6	25
Chloroform	3.75	3.72	3.76	99.2	100	70.0-130			1.07	25
Chloromethane	3.75	3.83	4.00	102	107	70.0-130			4.34	25
2-Chlorotoluene	3.75	3.80	3.90	101	104	70.0-130			2.60	25
Cyclohexane	3.75	3.92	4.13	105	110	70.0-130			5.22	25
Dibromochloromethane	3.75	3.98	4.07	106	109	70.0-130			2.24	25
1,2-Dibromoethane	3.75	3.92	3.99	105	106	70.0-130			1.77	25
1,2-Dichlorobenzene	3.75	3.96	4.03	106	107	70.0-130			1.75	25
1,3-Dichlorobenzene	3.75	3.99	4.00	106	107	70.0-130			0.250	25
1,4-Dichlorobenzene	3.75	4.04	4.11	108	110	70.0-130			1.72	25
1,2-Dichloroethane	3.75	3.92	4.08	105	109	70.0-130			4.00	25
1,1-Dichloroethane	3.75	3.67	3.87	97.9	103	70.0-130			5.31	25
1,1-Dichloroethene	3.75	3.76	3.94	100	105	70.0-130			4.68	25
cis-1,2-Dichloroethene	3.75	3.80	3.80	101	101	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.63	3.81	96.8	102	70.0-130			4.84	25
1,2-Dichloropropane	3.75	3.94	3.96	105	106	70.0-130			0.506	25
cis-1,3-Dichloropropene	3.75	3.89	3.99	104	106	70.0-130			2.54	25
trans-1,3-Dichloropropene	3.75	3.98	4.01	106	107	70.0-130			0.751	25
1,4-Dioxane	3.75	3.77	4.00	101	107	70.0-140			5.92	25
Ethanol	3.75	3.44	3.57	91.7	95.2	55.0-148			3.71	25
Ethylbenzene	3.75	3.83	3.87	102	103	70.0-130			1.04	25
4-Ethyltoluene	3.75	3.85	3.89	103	104	70.0-130			1.03	25
Trichlorofluoromethane	3.75	3.69	3.90	98.4	104	70.0-130			5.53	25
Dichlorodifluoromethane	3.75	3.83	4.03	102	107	64.0-139			5.09	25
1,1,2-Trichlorotrifluoroethane	3.75	3.82	4.03	102	107	70.0-130			5.35	25
1,2-Dichlorotetrafluoroethane	3.75	3.88	4.16	103	111	70.0-130			6.97	25
Heptane	3.75	4.13	3.92	110	105	70.0-130			5.22	25
Hexachloro-1,3-butadiene	3.75	4.02	4.16	107	111	70.0-151			3.42	25
n-Hexane	3.75	3.68	3.80	98.1	101	70.0-130			3.21	25
Isopropylbenzene	3.75	3.88	3.95	103	105	70.0-130			1.79	25
Methylene Chloride	3.75	3.71	3.85	98.9	103	70.0-130			3.70	25
Methyl Butyl Ketone	3.75	4.02	4.17	107	111	70.0-149			3.66	25
Methyl Ethyl Ketone	3.75	3.84	3.80	102	101	70.0-130			1.05	25
4-Methyl-2-pentanone (MIBK)	3.75	4.04	4.17	108	111	70.0-139			3.17	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769284-1 03/11/22 06:23 • (LCSD) R3769284-2 03/11/22 07:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl Methacrylate	3.75	4.06	4.12	108	110	70.0-130			1.47	25
MTBE	3.75	3.69	3.87	98.4	103	70.0-130			4.76	25
Naphthalene	3.75	3.51	3.54	93.6	94.4	70.0-159			0.851	25
2-Propanol	3.75	3.62	3.86	96.5	103	70.0-139			6.42	25
Propene	3.75	3.55	3.68	94.7	98.1	64.0-144			3.60	25
Styrene	3.75	3.85	3.98	103	106	70.0-130			3.32	25
1,1,2,2-Tetrachloroethane	3.75	3.82	3.98	102	106	70.0-130			4.10	25
Tetrachloroethylene	3.75	4.00	4.06	107	108	70.0-130			1.49	25
Tetrahydrofuran	3.75	3.86	3.84	103	102	70.0-137			0.519	25
Toluene	3.75	3.93	4.09	105	109	70.0-130			3.99	25
1,2,4-Trichlorobenzene	3.75	3.41	3.48	90.9	92.8	70.0-160			2.03	25
1,1,1-Trichloroethane	3.75	3.77	3.96	101	106	70.0-130			4.92	25
1,1,2-Trichloroethane	3.75	3.93	4.04	105	108	70.0-130			2.76	25
Trichloroethylene	3.75	3.91	3.99	104	106	70.0-130			2.03	25
1,2,4-Trimethylbenzene	3.75	3.83	3.99	102	106	70.0-130			4.09	25
1,3,5-Trimethylbenzene	3.75	3.87	4.04	103	108	70.0-130			4.30	25
2,2,4-Trimethylpentane	3.75	3.83	4.05	102	108	70.0-130			5.58	25
Vinyl chloride	3.75	3.69	3.97	98.4	106	70.0-130			7.31	25
Vinyl Bromide	3.75	3.52	3.77	93.9	101	70.0-130			6.86	25
Vinyl acetate	3.75	3.18	3.32	84.8	88.5	70.0-130			4.31	25
m&p-Xylene	7.50	7.73	7.76	103	103	70.0-130			0.387	25
o-Xylene	3.75	3.79	3.78	101	101	70.0-130			0.264	25
<i>(S) 1,4-Bromofluorobenzene</i>				92.5	94.5	60.0-140				

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

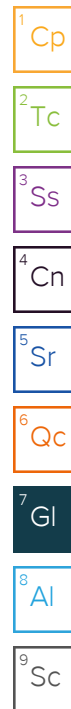
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**PES Environmental, Inc.- WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
 Attn: Accounts Payable  
 2101 4th Avenue, Suite 1310  
 Seattle, WA 98121

Analysis

Chain of Custody Page 1 of 1



12065 Lebanon Road Mt Juliet, TN 37122  
 Phone: 615-758-5858 Alt: 800-767-5859  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Report To:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com;bill.haldeman@nv5.com  
 m;kim.vik@nv5.com;karsten.springstead@nv5.com

Project Description:  
**American Linen**

City/State Collected:  
**SEATTLE, WA**

Please Circle:  
 PT MT CT ET

Phone:  
**206-529-3980**

Client Project #  
**1413.001.02.05.06**

Lab Project #  
**PESENVSWA-ALP**

Collected by (print):  
*R. McLaughlin*

Site/Facility ID #

P.O. #  
**443018-1413001.05.601**

Collected by (signature):  
*R. McLaughlin*

**Rush? (Lab MUST Be Notified)**  
 Same Day  Three Day  
 Next Day  Five Day  
 Two Day

Date Results Needed

Sample ID

Can #

Flow Cont. #

Date

Time

Initial

Final

Collection

Canister Pressure/Vacuum

TO-15 Summa

Rem./Contaminant Sample # (lab only)

SV01-030822

6968

9077

3/8/22

1403

-30

-5

X

u

SV-17-030822

8815

7808

3/7/22

1454

-30

-5

X

u

SV-13-030722

6154

20340

3/7/22

1541

-29

-4

X

u

**Sample Receipt Checklist**

COC Seal Present/Intact:  Y  N If Applicable  
 COC Signed/Accurate:  Y  N VOA Zero Headspace:  Y  N  
 Bottles arrive intact:  Y  N Pres. Correct/Check:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
 RAD Screen <0.5 mR/hr:  Y  N

Remarks: **1/4 boxes**

**3+1 empty**

Samples returned via:  
 UPS  FedEx  Courier \_\_\_\_\_ Tracking # **5349 7820 3167** Hold #

Relinquished by: (Signature) *R. McLaughlin* Date: **3/8/22** Time: **1500**

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Condition: (lab use only)

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

COC Seal Intact:  Y  N  NA

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature) *D. Ramsey* Date: **5-9-22** Time: **9:50**

NCF: \_\_\_\_\_

## PES Environmental, Inc.- WA

Sample Delivery Group: L1469380  
Samples Received: 03/09/2022  
Project Number: 1413.001.02.501.06  
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

## SV-22-030322 L1469380-01 Air

Collected by R. McLaughlin      Collected date/time 03/03/22 10:45      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830951	1	03/11/22 21:21	03/11/22 21:21	DAH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

## SV-21-030322 L1469380-02 Air

Collected by R. McLaughlin      Collected date/time 03/03/22 12:22      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830951	1	03/11/22 22:02	03/11/22 22:02	DAH	Mt. Juliet, TN

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## SV-23-030322 L1469380-03 Air

Collected by R. McLaughlin      Collected date/time 03/03/22 13:34      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830951	1	03/11/22 22:42	03/11/22 22:42	DAH	Mt. Juliet, TN

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

## SV-12-030322 L1469380-04 Air

Collected by R. McLaughlin      Collected date/time 03/03/22 15:30      Received date/time 03/09/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1830951	1	03/11/22 23:23	03/11/22 23:23	DAH	Mt. Juliet, TN

<sup>9</sup> Sc



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.86	6.80		1	WG1830951
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830951
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830951
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830951
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830951
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830951
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830951
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830951
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.89	5.88		1	WG1830951
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830951
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830951
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830951
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830951
Chloromethane	74-87-3	50.50	0.200	0.413	0.331	0.684		1	WG1830951
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830951
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830951
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830951
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830951
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830951
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830951
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830951
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830951
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830951
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830951
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830951
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830951
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830951
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830951
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830951
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830951
Ethanol	64-17-5	46.10	1.25	2.36	2.88	5.43		1	WG1830951
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830951
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830951
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG1830951
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.297	1.47		1	WG1830951
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830951
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830951
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830951
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830951
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830951
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830951
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830951
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830951
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830951
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830951
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830951
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830951
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830951
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830951
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830951
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830951
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830951
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.30	8.83		1	WG1830951
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830951
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830951
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830951

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.587	3.19		1	<a href="#">WG1830951</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830951</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830951</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830951</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830951</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830951</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830951</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830951</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.1				<a href="#">WG1830951</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.18	7.56		1	WG1830951
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830951
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830951
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830951
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830951
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830951
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830951
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830951
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.07	3.33		1	WG1830951
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830951
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830951
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830951
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830951
Chloromethane	74-87-3	50.50	0.200	0.413	0.313	0.646		1	WG1830951
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830951
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830951
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830951
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830951
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830951
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830951
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830951
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830951
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830951
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830951
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830951
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830951
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830951
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830951
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830951
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830951
Ethanol	64-17-5	46.10	1.25	2.36	8.84	16.7		1	WG1830951
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830951
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830951
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.207	1.16		1	WG1830951
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.330	1.63		1	WG1830951
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830951
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830951
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830951
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830951
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830951
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830951
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.512	1.78		1	WG1830951
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830951
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830951
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830951
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830951
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830951
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830951
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830951
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830951
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830951
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830951
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.15	7.81		1	WG1830951
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830951
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830951
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830951

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.260	1.41		1	<a href="#">WG1830951</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830951</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830951</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830951</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830951</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830951</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830951</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830951</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.6				<a href="#">WG1830951</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.01	4.78		1	<a href="#">WG1830951</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG1830951</a>
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	<a href="#">WG1830951</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG1830951</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG1830951</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG1830951</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG1830951</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG1830951</a>
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.53	4.76		1	<a href="#">WG1830951</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG1830951</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG1830951</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG1830951</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG1830951</a>
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	<a href="#">WG1830951</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG1830951</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	<a href="#">WG1830951</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG1830951</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG1830951</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1830951</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1830951</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG1830951</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG1830951</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	<a href="#">WG1830951</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1830951</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1830951</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1830951</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG1830951</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG1830951</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG1830951</a>
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1830951</a>
Ethanol	64-17-5	46.10	1.25	2.36	3.41	6.43		1	<a href="#">WG1830951</a>
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	<a href="#">WG1830951</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	<a href="#">WG1830951</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.217	1.07		1	<a href="#">WG1830951</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG1830951</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG1830951</a>
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	<a href="#">WG1830951</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG1830951</a>
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	<a href="#">WG1830951</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG1830951</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.220	0.764		1	<a href="#">WG1830951</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG1830951</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	<a href="#">WG1830951</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG1830951</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG1830951</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1830951</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG1830951</a>
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	<a href="#">WG1830951</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG1830951</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG1830951</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG1830951</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.483	3.28		1	<a href="#">WG1830951</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG1830951</a>
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	<a href="#">WG1830951</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG1830951</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830951</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830951</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830951</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830951</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830951</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830951</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830951</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.5				<a href="#">WG1830951</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.81	4.30		1	WG1830951
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830951
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830951
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830951
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830951
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830951
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830951
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830951
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830951
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830951
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830951
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1830951
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1830951
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830951
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830951
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1830951
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830951
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830951
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830951
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830951
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830951
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830951
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1830951
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830951
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830951
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830951
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830951
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830951
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830951
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830951
Ethanol	64-17-5	46.10	1.25	2.36	1.35	2.55		1	WG1830951
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830951
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830951
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.284	1.60		1	WG1830951
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.692	3.42		1	WG1830951
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830951
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830951
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830951
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830951
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1830951
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830951
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830951
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830951
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830951
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830951
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830951
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830951
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830951
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830951
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830951
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830951
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830951
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.277	1.88		1	WG1830951
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830951
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830951
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830951

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830951</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830951</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830951</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1830951</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1830951</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830951</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830951</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830951</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830951</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.0				<a href="#">WG1830951</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3769225-2 03/11/22 07:37

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3769225-2 03/11/22 07:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.208	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	94.7			60.0-140

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769225-1 03/11/22 06:58 • (LCSD) R3769225-3 03/11/22 10:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.63	3.53	96.8	94.1	70.0-130			2.79	25
Allyl Chloride	3.75	3.46	3.46	92.3	92.3	70.0-130			0.000	25
Benzene	3.75	3.82	3.73	102	99.5	70.0-130			2.38	25
Benzyl Chloride	3.75	4.00	3.74	107	99.7	70.0-152			6.72	25
Bromodichloromethane	3.75	3.80	3.64	101	97.1	70.0-130			4.30	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769225-1 03/11/22 06:58 • (LCSD) R3769225-3 03/11/22 10:36

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	3.75	3.88	3.80	103	101	70.0-130			2.08	25
Bromomethane	3.75	3.80	3.79	101	101	70.0-130			0.264	25
1,3-Butadiene	3.75	3.58	3.21	95.5	85.6	70.0-130			10.9	25
Carbon disulfide	3.75	4.32	3.72	115	99.2	70.0-130			14.9	25
Carbon tetrachloride	3.75	3.88	3.77	103	101	70.0-130			2.88	25
Chlorobenzene	3.75	4.04	3.84	108	102	70.0-130			5.08	25
Chloroethane	3.75	3.71	3.52	98.9	93.9	70.0-130			5.26	25
Chloroform	3.75	3.87	3.63	103	96.8	70.0-130			6.40	25
Chloromethane	3.75	3.55	3.45	94.7	92.0	70.0-130			2.86	25
2-Chlorotoluene	3.75	3.96	3.79	106	101	70.0-130			4.39	25
Cyclohexane	3.75	3.94	3.63	105	96.8	70.0-130			8.19	25
Dibromochloromethane	3.75	3.97	3.82	106	102	70.0-130			3.85	25
1,2-Dibromoethane	3.75	3.93	3.83	105	102	70.0-130			2.58	25
1,2-Dichlorobenzene	3.75	4.08	3.83	109	102	70.0-130			6.32	25
1,3-Dichlorobenzene	3.75	4.12	3.95	110	105	70.0-130			4.21	25
1,4-Dichlorobenzene	3.75	4.07	3.82	109	102	70.0-130			6.34	25
1,2-Dichloroethane	3.75	3.71	3.62	98.9	96.5	70.0-130			2.46	25
1,1-Dichloroethane	3.75	3.70	3.52	98.7	93.9	70.0-130			4.99	25
1,1-Dichloroethene	3.75	3.68	3.50	98.1	93.3	70.0-130			5.01	25
cis-1,2-Dichloroethene	3.75	3.76	3.62	100	96.5	70.0-130			3.79	25
trans-1,2-Dichloroethene	3.75	3.71	3.65	98.9	97.3	70.0-130			1.63	25
1,2-Dichloropropane	3.75	3.71	3.56	98.9	94.9	70.0-130			4.13	25
cis-1,3-Dichloropropene	3.75	3.82	3.72	102	99.2	70.0-130			2.65	25
trans-1,3-Dichloropropene	3.75	3.89	3.66	104	97.6	70.0-130			6.09	25
1,4-Dioxane	3.75	4.27	4.04	114	108	70.0-140			5.54	25
Ethanol	3.75	3.06	3.04	81.6	81.1	55.0-148			0.656	25
Ethylbenzene	3.75	3.94	3.78	105	101	70.0-130			4.15	25
4-Ethyltoluene	3.75	3.97	3.71	106	98.9	70.0-130			6.77	25
Trichlorofluoromethane	3.75	3.98	3.79	106	101	70.0-130			4.89	25
Dichlorodifluoromethane	3.75	3.91	3.66	104	97.6	64.0-139			6.61	25
1,1,2-Trichlorotrifluoroethane	3.75	3.84	3.74	102	99.7	70.0-130			2.64	25
1,2-Dichlorotetrafluoroethane	3.75	3.92	3.77	105	101	70.0-130			3.90	25
Heptane	3.75	3.41	3.29	90.9	87.7	70.0-130			3.58	25
Hexachloro-1,3-butadiene	3.75	4.30	3.92	115	105	70.0-151			9.25	25
n-Hexane	3.75	3.73	3.56	99.5	94.9	70.0-130			4.66	25
Isopropylbenzene	3.75	3.95	3.79	105	101	70.0-130			4.13	25
Methylene Chloride	3.75	3.54	3.48	94.4	92.8	70.0-130			1.71	25
Methyl Butyl Ketone	3.75	4.05	3.90	108	104	70.0-149			3.77	25
Methyl Ethyl Ketone	3.75	3.80	3.64	101	97.1	70.0-130			4.30	25
4-Methyl-2-pentanone (MIBK)	3.75	3.87	3.63	103	96.8	70.0-139			6.40	25

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3769225-1 03/11/22 06:58 • (LCSD) R3769225-3 03/11/22 10:36

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl Methacrylate	3.75	3.85	3.59	103	95.7	70.0-130			6.99	25
MTBE	3.75	3.87	3.62	103	96.5	70.0-130			6.68	25
Naphthalene	3.75	4.27	4.15	114	111	70.0-159			2.85	25
2-Propanol	3.75	3.60	3.47	96.0	92.5	70.0-139			3.68	25
Propene	3.75	3.48	3.30	92.8	88.0	64.0-144			5.31	25
Styrene	3.75	3.99	3.89	106	104	70.0-130			2.54	25
1,1,2,2-Tetrachloroethane	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
Tetrachloroethylene	3.75	4.09	3.94	109	105	70.0-130			3.74	25
Tetrahydrofuran	3.75	3.62	3.38	96.5	90.1	70.0-137			6.86	25
Toluene	3.75	3.87	3.77	103	101	70.0-130			2.62	25
1,2,4-Trichlorobenzene	3.75	4.42	3.80	118	101	70.0-160			15.1	25
1,1,1-Trichloroethane	3.75	3.85	3.69	103	98.4	70.0-130			4.24	25
1,1,2-Trichloroethane	3.75	3.86	3.81	103	102	70.0-130			1.30	25
Trichloroethylene	3.75	3.86	3.78	103	101	70.0-130			2.09	25
1,2,4-Trimethylbenzene	3.75	4.11	3.84	110	102	70.0-130			6.79	25
1,3,5-Trimethylbenzene	3.75	4.20	3.89	112	104	70.0-130			7.66	25
2,2,4-Trimethylpentane	3.75	3.67	3.53	97.9	94.1	70.0-130			3.89	25
Vinyl chloride	3.75	3.80	3.50	101	93.3	70.0-130			8.22	25
Vinyl Bromide	3.75	3.98	3.80	106	101	70.0-130			4.63	25
Vinyl acetate	3.75	3.43	3.44	91.5	91.7	70.0-130			0.291	25
m&p-Xylene	7.50	7.88	7.68	105	102	70.0-130			2.57	25
o-Xylene	3.75	3.91	3.77	104	101	70.0-130			3.65	25
<i>(S) 1,4-Bromofluorobenzene</i>				96.1	98.6	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

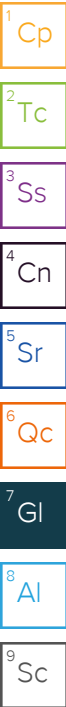
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
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# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:

PES Environmental, Inc. - WA  
1215 4th Ave. Suite 1350  
Seattle, WA, 98161

Billing Information:

Attn: Accounts Payable  
PES Environmental, Inc. - WA  
1215 4th Ave. Suite 1350  
Seattle, WA, 98161

Analysis

Chain of Custody Page 1 of 1



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



Report to:

Brian O'Neal/Bill Haldeman

Email To:

boneal@pesenv.com, bhaldeman@pesenv.com

Project

Description: American Linen

City/State

Collected: Seattle, WA

Phone: (206) 529-3980

Fax: (206) 529-3985

Client Project #

1413.001.02.504F

501.06

Lab Project #

Collected by (print):

R McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Same Day .....200%  
Next Day .....100%  
Two Day .....50%  
Three Day .....25%

Date Results Needed

Email? No Yes

FAX? No Yes

Canister Pressure/Vacuum

TO-15 Summa

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Rem./Contaminant Sample # (lab only)

Matrix Sample ID

Sample Description ID

Can #

Date

Time

Initial

Final

Air

SV-22-030322

7977

3/3/22

10:45

-30

-4

X

Air

SV-21-030322

11218

3/3/22

12:22

-28

-4

X

Air

SV-23-030322

6249

3/3/22

13:34

-29

-4

X

Air

SV-12-030322

6524

3/3/22

15:30

-29

-4

X

3/4 boxes

Remarks:

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

3/8/22

Time:

1500

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

5349 1820 3145

Samples returned via:  UPS

FedEx  Courier

Temp: °C Bottles Received:

AMB 4

Date: Time:

3-9-22 9:50

Hold #

Condition: (lab use only)

COC Seal Intact: Y N NA

pH Checked:

NCF:



## PES Environmental, Inc.- WA

Sample Delivery Group: L1489979  
Samples Received: 05/05/2022  
Project Number: 443022-1413001.10.70  
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

SV-18-050422 L1489979-01 Air

Collected by: Chris D.  
 Collected date/time: 05/04/22 13:24  
 Received date/time: 05/05/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1860320	1	05/07/22 11:54	05/07/22 11:54	FKG	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

SV01-050422 L1489979-02 Air

Collected by: Chris D.  
 Collected date/time: 05/04/22 13:54  
 Received date/time: 05/05/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1860320	1	05/07/22 12:36	05/07/22 12:36	FKG	Mt. Juliet, TN

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.61	13.3		1	<a href="#">WG1860320</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG1860320</a>
Benzene	71-43-2	78.10	0.200	0.639	0.200	0.639		1	<a href="#">WG1860320</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG1860320</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG1860320</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG1860320</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG1860320</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG1860320</a>
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.700	2.18		1	<a href="#">WG1860320</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG1860320</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG1860320</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG1860320</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG1860320</a>
Chloromethane	74-87-3	50.50	0.200	0.413	0.238	0.492		1	<a href="#">WG1860320</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG1860320</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	<a href="#">WG1860320</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG1860320</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.25	25.1		1	<a href="#">WG1860320</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1860320</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1860320</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG1860320</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG1860320</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG1860320</a>
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1860320</a>
Ethanol	64-17-5	46.10	1.25	2.36	19.8	37.3		1	<a href="#">WG1860320</a>
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	<a href="#">WG1860320</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1860320</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	<a href="#">WG1860320</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.403	1.99		1	<a href="#">WG1860320</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG1860320</a>
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	<a href="#">WG1860320</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG1860320</a>
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	<a href="#">WG1860320</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG1860320</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.550	1.91		1	<a href="#">WG1860320</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG1860320</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	<a href="#">WG1860320</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG1860320</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG1860320</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1860320</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG1860320</a>
2-Propanol	67-63-0	60.10	1.25	3.07	7.85	19.3		1	<a href="#">WG1860320</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG1860320</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG1860320</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG1860320</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	<a href="#">WG1860320</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG1860320</a>
Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	<a href="#">WG1860320</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG1860320</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.20	28.3		1	<a href="#">WG1860320</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1860320</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1860320</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1860320</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1860320</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	16.5	77.1		1	<a href="#">WG1860320</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	23.6	60.3		1	<a href="#">WG1860320</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1860320</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1860320</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1860320</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1860320</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.0				<a href="#">WG1860320</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.21	5.25		1	<a href="#">WG1860320</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG1860320</a>
Benzene	71-43-2	78.10	0.200	0.639	4.80	15.3		1	<a href="#">WG1860320</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG1860320</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG1860320</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG1860320</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG1860320</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG1860320</a>
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	<a href="#">WG1860320</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG1860320</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG1860320</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG1860320</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG1860320</a>
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	<a href="#">WG1860320</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG1860320</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	0.410	1.41		1	<a href="#">WG1860320</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG1860320</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	2.97	11.9		1	<a href="#">WG1860320</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG1860320</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.97	11.8		1	<a href="#">WG1860320</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.261	1.03		1	<a href="#">WG1860320</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG1860320</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG1860320</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG1860320</a>
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1860320</a>
Ethanol	64-17-5	46.10	1.25	2.36	5.41	10.2		1	<a href="#">WG1860320</a>
Ethylbenzene	100-41-4	106	0.200	0.867	0.242	1.05		1	<a href="#">WG1860320</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1860320</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	<a href="#">WG1860320</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.547	2.71		1	<a href="#">WG1860320</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG1860320</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG1860320</a>
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	<a href="#">WG1860320</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG1860320</a>
n-Hexane	110-54-3	86.20	0.630	2.22	3.26	11.5		1	<a href="#">WG1860320</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG1860320</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	<a href="#">WG1860320</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG1860320</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	<a href="#">WG1860320</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG1860320</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG1860320</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG1860320</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG1860320</a>
2-Propanol	67-63-0	60.10	1.25	3.07	3.17	7.79		1	<a href="#">WG1860320</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG1860320</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG1860320</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG1860320</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.706	4.79		1	<a href="#">WG1860320</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG1860320</a>
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	<a href="#">WG1860320</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG1860320</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1860320</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1860320</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	1.07		1	<a href="#">WG1860320</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.241	1.18		1	<a href="#">WG1860320</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1860320</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	30.6	143		1	<a href="#">WG1860320</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	11.3	28.9		1	<a href="#">WG1860320</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1860320</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1860320</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1860320</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1860320</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		126				<a href="#">WG1860320</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3789652-3 05/07/22 08:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3789652-3 05/07/22 08:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.313	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	92.8			60.0-140

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789652-1 05/07/22 07:26 • (LCSD) R3789652-2 05/07/22 08:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	4.06	4.04	108	108	70.0-130			0.494	25
Allyl Chloride	3.75	4.15	4.11	111	110	70.0-130			0.969	25
Benzene	3.75	4.11	4.09	110	109	70.0-130			0.488	25
Benzyl Chloride	3.75	4.43	4.36	118	116	70.0-152			1.59	25
Bromodichloromethane	3.75	4.01	3.99	107	106	70.0-130			0.500	25



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789652-1 05/07/22 07:26 • (LCSD) R3789652-2 05/07/22 08:08

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	3.75	4.05	4.00	108	107	70.0-130			1.24	25
Bromomethane	3.75	3.71	3.98	98.9	106	70.0-130			7.02	25
1,3-Butadiene	3.75	3.84	3.89	102	104	70.0-130			1.29	25
Carbon disulfide	3.75	4.07	4.03	109	107	70.0-130			0.988	25
Carbon tetrachloride	3.75	4.09	4.09	109	109	70.0-130			0.000	25
Chlorobenzene	3.75	3.96	3.95	106	105	70.0-130			0.253	25
Chloroethane	3.75	4.12	4.14	110	110	70.0-130			0.484	25
Chloroform	3.75	4.07	4.07	109	109	70.0-130			0.000	25
Chloromethane	3.75	4.12	4.09	110	109	70.0-130			0.731	25
2-Chlorotoluene	3.75	4.17	4.13	111	110	70.0-130			0.964	25
Cyclohexane	3.75	4.22	4.21	113	112	70.0-130			0.237	25
Dibromochloromethane	3.75	4.00	3.98	107	106	70.0-130			0.501	25
1,2-Dibromoethane	3.75	4.00	3.96	107	106	70.0-130			1.01	25
1,2-Dichlorobenzene	3.75	4.23	4.19	113	112	70.0-130			0.950	25
1,3-Dichlorobenzene	3.75	4.42	4.38	118	117	70.0-130			0.909	25
1,4-Dichlorobenzene	3.75	4.65	4.58	124	122	70.0-130			1.52	25
1,2-Dichloroethane	3.75	3.96	3.94	106	105	70.0-130			0.506	25
1,1-Dichloroethane	3.75	4.16	4.15	111	111	70.0-130			0.241	25
1,1-Dichloroethene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
cis-1,2-Dichloroethene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
trans-1,2-Dichloroethene	3.75	4.03	4.05	107	108	70.0-130			0.495	25
1,2-Dichloropropane	3.75	4.15	4.17	111	111	70.0-130			0.481	25
cis-1,3-Dichloropropene	3.75	4.03	4.01	107	107	70.0-130			0.498	25
trans-1,3-Dichloropropene	3.75	4.05	4.01	108	107	70.0-130			0.993	25
1,4-Dioxane	3.75	4.07	4.03	109	107	70.0-140			0.988	25
Ethanol	3.75	3.99	3.99	106	106	55.0-148			0.000	25
Ethylbenzene	3.75	4.14	4.13	110	110	70.0-130			0.242	25
4-Ethyltoluene	3.75	4.19	4.15	112	111	70.0-130			0.959	25
Trichlorofluoromethane	3.75	4.11	4.10	110	109	70.0-130			0.244	25
Dichlorodifluoromethane	3.75	3.97	3.85	106	103	64.0-139			3.07	25
1,1,2-Trichlorotrifluoroethane	3.75	4.16	4.13	111	110	70.0-130			0.724	25
1,2-Dichlorotetrafluoroethane	3.75	4.14	4.12	110	110	70.0-130			0.484	25
Heptane	3.75	4.22	4.22	113	113	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	4.08	4.06	109	108	70.0-151			0.491	25
n-Hexane	3.75	4.26	4.29	114	114	70.0-130			0.702	25
Isopropylbenzene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
Methylene Chloride	3.75	3.91	3.96	104	106	70.0-130			1.27	25
Methyl Butyl Ketone	3.75	4.41	4.40	118	117	70.0-149			0.227	25
Methyl Ethyl Ketone	3.75	4.20	4.18	112	111	70.0-130			0.477	25
4-Methyl-2-pentanone (MIBK)	3.75	4.28	4.29	114	114	70.0-139			0.233	25

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789652-1 05/07/22 07:26 • (LCSD) R3789652-2 05/07/22 08:08

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl Methacrylate	3.75	4.07	4.06	109	108	70.0-130			0.246	25
MTBE	3.75	4.18	4.17	111	111	70.0-130			0.240	25
Naphthalene	3.75	4.64	4.62	124	123	70.0-159			0.432	25
2-Propanol	3.75	4.08	4.10	109	109	70.0-139			0.489	25
Propene	3.75	4.25	4.24	113	113	64.0-144			0.236	25
Styrene	3.75	4.26	4.23	114	113	70.0-130			0.707	25
1,1,2,2-Tetrachloroethane	3.75	4.00	3.96	107	106	70.0-130			1.01	25
Tetrachloroethylene	3.75	4.00	3.98	107	106	70.0-130			0.501	25
Tetrahydrofuran	3.75	4.14	4.14	110	110	70.0-137			0.000	25
Toluene	3.75	4.05	4.04	108	108	70.0-130			0.247	25
1,2,4-Trichlorobenzene	3.75	4.39	4.34	117	116	70.0-160			1.15	25
1,1,1-Trichloroethane	3.75	4.09	4.09	109	109	70.0-130			0.000	25
1,1,2-Trichloroethane	3.75	4.04	4.00	108	107	70.0-130			0.995	25
Trichloroethylene	3.75	3.93	3.96	105	106	70.0-130			0.760	25
1,2,4-Trimethylbenzene	3.75	4.20	4.18	112	111	70.0-130			0.477	25
1,3,5-Trimethylbenzene	3.75	4.18	4.15	111	111	70.0-130			0.720	25
2,2,4-Trimethylpentane	3.75	4.35	4.35	116	116	70.0-130			0.000	25
Vinyl chloride	3.75	4.14	3.98	110	106	70.0-130			3.94	25
Vinyl Bromide	3.75	4.14	4.13	110	110	70.0-130			0.242	25
Vinyl acetate	3.75	4.50	4.40	120	117	70.0-130			2.25	25
m&p-Xylene	7.50	8.15	8.08	109	108	70.0-130			0.863	25
o-Xylene	3.75	4.06	4.01	108	107	70.0-130			1.24	25
(S) 1,4-Bromofluorobenzene				97.2	96.7	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

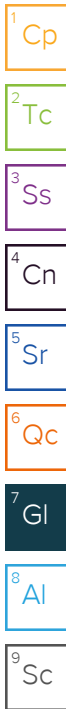
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
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# ACCREDITATIONS & LOCATIONS

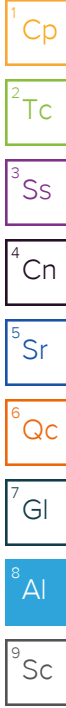
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.


\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:  
**PES Environmental, Inc.- WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
**Attn: Accounts Payable**  
 2101 4th Avenue, Suite 1310  
 Seattle, WA 98121

Analysis

Chain of Custody Page 1 of 1  
  
 PEOPLE ADVANCING SCIENCE  
 MT JULIET, TN  
 12065 Lebanon Road Mt Juliet, TN 37122  
 Phone: 615-758-5858 Alt: 800-767-5859  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report To:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com;bill.haldeman@nv5.com;kim.vik@nv5.com;karsten.springstead@nv5.com

Project Description:  
**American Linen**

City/State Collected:  
*Seattle WA*

Please Circle:  
 PT MT CT ET

Phone:  
**206-529-3980**

Client Project #  
*1413.001.010* <sup>10.603</sup>

Lab Project #  
**PESENVSWA-ALP**

Collected by (print):  
*Chris DeBoer*

Site/Facility ID #  
*American Linen*

P.O. #  
*443038-1413001.05.001* <sup>10.603</sup>

Collected by (signature):  
*Chris DeBoer*

**Rush?** (Lab MUST Be Notified)  
 Same Day  Three Day  
 Next Day  Five Day  
 Two Day

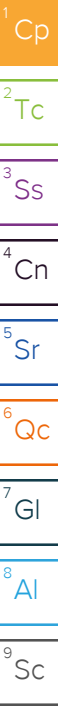
Date Results Needed  
*Standard TAT*

Sample ID	Can #	Flow Cont. #	Date	Time	Collection		TO-15 Summa
					Initial	Final	
<i>SV-18-050422</i>	<i>020640</i>	<i>009095</i>	<i>5/4/22</i>	<i>1324</i>	<i>-28</i>	<i>-5</i>	X
<i>SV01-050422</i>	<i>020614</i>	<i>011042</i>	<i>5/4/22</i>	<i>1354</i>	<i>-30</i>	<i>-5</i>	
<i>Chris DeBoer 5/4/22</i>							

SDG # *21489979*  
**D007**  
 Acctnum: **PESENVSWA**  
 Template: **T207430**  
 Prelogin: **P918350**  
 PM: 546 - Jared Starkey  
 PB: *LSW albstn*  
 Shipped Via: **FedEX Standard**

Remarks:

Relinquished by : (Signature)			Date:			Time:			Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier			Tracking #			Hold #		
<i>Chris DeBoer</i>			<i>5/4/22</i>			<i>1415</i>			Received by: (Signature)			Date: Time:			Condition: (lab use only)		
Relinquished by : (Signature)			Date:			Time:			Received by: (Signature)			Date: Time:			COC Seal Intact: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA		
Relinquished by : (Signature)			Date:			Time:			Received for lab by: (Signature)			Date: Time:			NCF:		
									<i>[Signature]</i>			<i>5/5/22 0930</i>					



## PES Environmental, Inc.- WA

Sample Delivery Group: L1528574  
Samples Received: 08/24/2022  
Project Number: 1413001.10.701.03  
Description: American Linen

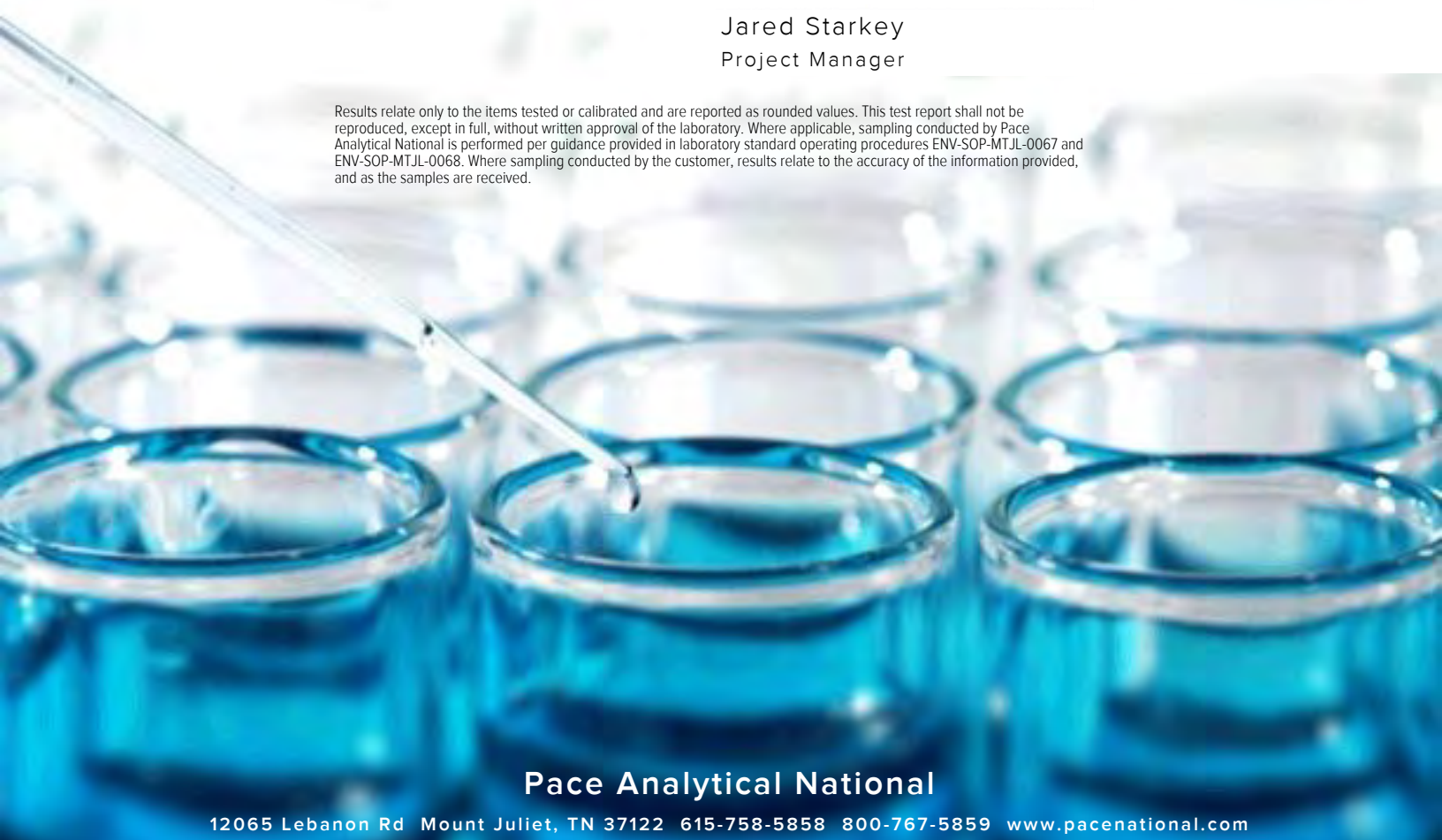
Report To: Brian O'Neal/Bill Haldeman  
2101 Fourth Ave., Suite 1310  
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)



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# SAMPLE SUMMARY

## SV-18-082222 L1528574-01 Air

Collected by: S. McKernan  
 Collected date/time: 08/22/22 10:41  
 Received date/time: 08/24/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1915636	1	08/25/22 00:19	08/25/22 00:19	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1916415	10	08/25/22 17:46	08/25/22 17:46	CEP	Mt. Juliet, TN

## SV-01-082222 L1528574-02 Air

Collected by: S. McKernan  
 Collected date/time: 08/22/22 11:37  
 Received date/time: 08/24/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1915636	1	08/25/22 01:03	08/25/22 01:03	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1916415	10	08/25/22 18:16	08/25/22 18:16	CEP	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.74	4.13		1	WG1915636
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1915636
Benzene	71-43-2	78.10	0.200	0.639	0.718	2.29		1	WG1915636
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1915636
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1915636
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1915636
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1915636
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1915636
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.43	10.7		1	WG1915636
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1915636
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1915636
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1915636
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1915636
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1915636
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1915636
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1915636
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1915636
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1915636
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1915636
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1915636
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1915636
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1915636
1,1-Dichloroethane	75-34-3	98	0.200	0.802	25.5	102		1	WG1915636
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1915636
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1915636
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1915636
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1915636
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1915636
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1915636
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1915636
Ethanol	64-17-5	46.10	1.25	2.36	2.68	5.05		1	WG1915636
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1915636
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1915636
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1915636
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.277	1.37		1	WG1915636
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1915636
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1915636
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1915636
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1915636
n-Hexane	110-54-3	86.20	0.630	2.22	1.55	5.46		1	WG1915636
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1915636
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1915636
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1915636
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1915636
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1915636
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1915636
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1915636
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1915636
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1915636
Propene	115-07-1	42.10	12.5	21.5	240	413		10	WG1916415
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1915636
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1915636
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1915636
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1915636
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1915636
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1915636

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	8.83	48.0		1	<a href="#">WG1915636</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1915636</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1915636</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1915636</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1915636</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	38.7	181		1	<a href="#">WG1915636</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	67.4	172		1	<a href="#">WG1915636</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1915636</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1915636</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG1915636</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1915636</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1915636</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		111				<a href="#">WG1915636</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.4				<a href="#">WG1916415</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.01	4.78		1	WG1915636
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1915636
Benzene	71-43-2	78.10	0.200	0.639	8.77	28.0		1	WG1915636
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1915636
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1915636
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1915636
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1915636
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1915636
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.371	1.15		1	WG1915636
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1915636
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1915636
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1915636
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1915636
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1915636
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1915636
Cyclohexane	110-82-7	84.20	0.200	0.689	2.03	6.99		1	WG1915636
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1915636
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1915636
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1915636
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1915636
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1915636
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1915636
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.25	25.1		1	WG1915636
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1915636
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	6.37	25.2		1	WG1915636
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.507	2.01		1	WG1915636
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1915636
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1915636
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1915636
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1915636
Ethanol	64-17-5	46.10	1.25	2.36	4.51	8.50		1	WG1915636
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1915636
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1915636
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1915636
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.217	1.07		1	WG1915636
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1915636
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1915636
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1915636
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1915636
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1915636
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1915636
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1915636
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1915636
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1915636
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1915636
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1915636
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1915636
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1915636
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1915636
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1915636
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1915636
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1915636
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.946	6.42		1	WG1915636
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1915636
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1915636
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1915636

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1915636</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1915636</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1915636</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.266	1.31		1	<a href="#">WG1915636</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1915636</a>
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	134	626		10	<a href="#">WG1916415</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	19.8	50.6		1	<a href="#">WG1915636</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1915636</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1915636</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG1915636</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1915636</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1915636</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		123				<a href="#">WG1915636</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				<a href="#">WG1916415</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3829887-3 08/24/22 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3829887-3 08/24/22 10:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.252	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	101			60.0-140

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3829887-1 08/24/22 08:52 • (LCSD) R3829887-2 08/24/22 09:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	4.00	4.05	107	108	70.0-130			1.24	25
Allyl Chloride	3.75	4.51	4.46	120	119	70.0-130			1.11	25
Benzene	3.75	3.87	3.90	103	104	70.0-130			0.772	25
Benzyl Chloride	3.75	4.20	4.12	112	110	70.0-152			1.92	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3829887-1 08/24/22 08:52 • (LCSD) R3829887-2 08/24/22 09:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.90	3.98	104	106	70.0-130			2.03	25
Bromoform	3.75	3.66	3.64	97.6	97.1	70.0-130			0.548	25
Bromomethane	3.75	4.06	4.08	108	109	70.0-130			0.491	25
1,3-Butadiene	3.75	4.22	4.44	113	118	70.0-130			5.08	25
Carbon disulfide	3.75	4.09	4.10	109	109	70.0-130			0.244	25
Carbon tetrachloride	3.75	3.87	3.92	103	105	70.0-130			1.28	25
Chlorobenzene	3.75	3.78	3.81	101	102	70.0-130			0.791	25
Chloroethane	3.75	4.31	4.36	115	116	70.0-130			1.15	25
Chloroform	3.75	4.00	3.97	107	106	70.0-130			0.753	25
Chloromethane	3.75	4.12	4.23	110	113	70.0-130			2.63	25
2-Chlorotoluene	3.75	3.99	3.96	106	106	70.0-130			0.755	25
Cyclohexane	3.75	4.00	4.04	107	108	70.0-130			0.995	25
Dibromochloromethane	3.75	3.77	3.78	101	101	70.0-130			0.265	25
1,2-Dibromoethane	3.75	3.85	3.91	103	104	70.0-130			1.55	25
1,2-Dichlorobenzene	3.75	4.03	3.92	107	105	70.0-130			2.77	25
1,3-Dichlorobenzene	3.75	3.97	3.86	106	103	70.0-130			2.81	25
1,4-Dichlorobenzene	3.75	3.91	3.83	104	102	70.0-130			2.07	25
1,2-Dichloroethane	3.75	3.99	4.02	106	107	70.0-130			0.749	25
1,1-Dichloroethane	3.75	4.06	4.16	108	111	70.0-130			2.43	25
1,1-Dichloroethene	3.75	4.04	4.13	108	110	70.0-130			2.20	25
cis-1,2-Dichloroethene	3.75	4.04	4.13	108	110	70.0-130			2.20	25
trans-1,2-Dichloroethene	3.75	4.03	4.10	107	109	70.0-130			1.72	25
1,2-Dichloropropane	3.75	4.04	4.04	108	108	70.0-130			0.000	25
cis-1,3-Dichloropropene	3.75	3.96	3.94	106	105	70.0-130			0.506	25
trans-1,3-Dichloropropene	3.75	3.92	3.90	105	104	70.0-130			0.512	25
1,4-Dioxane	3.75	3.93	3.99	105	106	70.0-140			1.52	25
Ethanol	3.75	4.07	4.15	109	111	55.0-148			1.95	25
Ethylbenzene	3.75	3.92	3.93	105	105	70.0-130			0.255	25
4-Ethyltoluene	3.75	4.03	3.88	107	103	70.0-130			3.79	25
Trichlorofluoromethane	3.75	3.87	4.00	103	107	70.0-130			3.30	25
Dichlorodifluoromethane	3.75	4.09	4.13	109	110	64.0-139			0.973	25
1,1,2-Trichlorotrifluoroethane	3.75	3.80	3.88	101	103	70.0-130			2.08	25
1,2-Dichlorotetrafluoroethane	3.75	4.17	4.27	111	114	70.0-130			2.37	25
Heptane	3.75	3.84	3.88	102	103	70.0-130			1.04	25
Hexachloro-1,3-butadiene	3.75	3.71	3.71	98.9	98.9	70.0-151			0.000	25
n-Hexane	3.75	4.02	4.11	107	110	70.0-130			2.21	25
Isopropylbenzene	3.75	3.97	3.89	106	104	70.0-130			2.04	25
Methylene Chloride	3.75	4.12	4.21	110	112	70.0-130			2.16	25
Methyl Butyl Ketone	3.75	4.17	4.21	111	112	70.0-149			0.955	25
Methyl Ethyl Ketone	3.75	4.05	4.10	108	109	70.0-130			1.23	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3829887-1 08/24/22 08:52 • (LCSD) R3829887-2 08/24/22 09:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.14	4.15	110	111	70.0-139			0.241	25
Methyl Methacrylate	3.75	4.01	3.94	107	105	70.0-130			1.76	25
MTBE	3.75	3.93	4.02	105	107	70.0-130			2.26	25
Naphthalene	3.75	4.05	4.06	108	108	70.0-159			0.247	25
2-Propanol	3.75	4.04	4.19	108	112	70.0-139			3.65	25
Propene	3.75	4.24	4.25	113	113	64.0-144			0.236	25
Styrene	3.75	3.86	3.85	103	103	70.0-130			0.259	25
1,1,2,2-Tetrachloroethane	3.75	4.21	4.06	112	108	70.0-130			3.63	25
Tetrachloroethylene	3.75	3.70	3.75	98.7	100	70.0-130			1.34	25
Tetrahydrofuran	3.75	4.24	4.31	113	115	70.0-137			1.64	25
Toluene	3.75	3.86	3.87	103	103	70.0-130			0.259	25
1,2,4-Trichlorobenzene	3.75	4.07	4.07	109	109	70.0-160			0.000	25
1,1,1-Trichloroethane	3.75	3.91	3.95	104	105	70.0-130			1.02	25
1,1,2-Trichloroethane	3.75	3.82	3.89	102	104	70.0-130			1.82	25
Trichloroethylene	3.75	3.75	3.85	100	103	70.0-130			2.63	25
1,2,4-Trimethylbenzene	3.75	4.17	4.08	111	109	70.0-130			2.18	25
1,3,5-Trimethylbenzene	3.75	4.12	4.01	110	107	70.0-130			2.71	25
2,2,4-Trimethylpentane	3.75	4.13	4.17	110	111	70.0-130			0.964	25
Vinyl chloride	3.75	4.24	4.38	113	117	70.0-130			3.25	25
Vinyl Bromide	3.75	3.77	3.82	101	102	70.0-130			1.32	25
Vinyl acetate	3.75	4.01	4.11	107	110	70.0-130			2.46	25
Xylenes, Total	11.3	11.7	11.8	104	104	70.0-130			0.851	25
m&p-Xylene	7.50	7.80	7.84	104	105	70.0-130			0.512	25
o-Xylene	3.75	3.90	3.93	104	105	70.0-130			0.766	25
(S) 1,4-Bromofluorobenzene				103	103	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3830761-3 08/25/22 07:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Propene	0.220	↓	0.0932	1.25
2,2,4-Trimethylpentane	U		0.133	0.200
(S) 1,4-Bromofluorobenzene	96.3			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3830761-1 08/25/22 06:54 • (LCSD) R3830761-2 08/25/22 07:26

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Propene	3.75	4.34	4.40	116	117	64.0-144			1.37	25
2,2,4-Trimethylpentane	3.75	4.38	4.33	117	115	70.0-130			1.15	25
(S) 1,4-Bromofluorobenzene				102	101	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

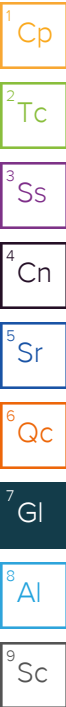
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
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# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**PES Environmental, Inc.- WA**  
 2101 Fourth Ave., Suite 1310  
 Seattle, WA 98121

Billing Information:  
 Attn: Accounts Payable  
 2101 4th Avenue, Suite 1310  
 Seattle, WA 98121

Analysis

Chain of Custody Page 1 of 1



12065 Lebanon Road Mt Juliet, TN 37122  
 Phone: 615-758-5858 Alt: 800-767-5859  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report To:  
**Brian O'Neal/Bill Haldeman**

Email To:  
 Shannon.McKernan@nv5.com; brian.oneal@nv5.com; bill.haldeman@nv5.com; karsten.springstead@nv5.com

Project Description:  
**American Linen**

City/State Collected:  
**SEATTLE, WA**

Please Circle:  
 PT MT CT ET

Phone:  
**206-529-3980**

Client Project #  
**1413001.10.701.03**

Lab Project #  
**PESENVSWA-ALP**

Collected by (print):  
**S. MCKERNAN**

Site/Facility ID #

P.O. #  
**443018-1413001.05.601**

Collected by (signature):

Rush? (Lab MUST Be Notified)  
 Same Day  Three Day  
 Next Day  Five Day  
 Two Day

Date Results Needed

Sample ID	Can #	Flow Cont. #	Date	Time	Collection		Initial	Final	TO-15 Summa
					Collection	Canister Pressure/Vacuum			
SV-18-082222	020166	011552	8/22/22	1041	-29	-4			X
SV-01-082222	020326	010993	8/22/22	1131	-30	-5			X

SDG # **L1528574**  
 Table #  
 Acctnum: **PESENVSWA**  
 Template: **T207430**  
 Prelogin: **P941386**  
 PM: **546 - Jared Starkey**  
 PB: **ckc 08/22/22**  
 Shipped Via: **FedEX Standard**  
 Rem./Contaminant Sample # (lab only)  
 -01  
 -02

Rema

Sample Receipt Checklist

- COC Seal Present/Intact:  Y  N If Applicable
- COC Signed/Accurate:  Y  N VOA Zero Headspace:  Y  N
- Bottles arrive intact:  Y  N Pres. Correct/Check:  Y  N
- Correct bottles used:  Y  N
- Sufficient volume sent:  Y  N
- RAD Screen <0.5 mR/hr:  Y  N

Relinquished by: (Signature)  
  
 Relinquished by: (Signature)  
  
 Relinquished by: (Signature)

Date: **1515** Time: **8/22/22**

Samples returned via:  
 UPS  FedEx  Courier

Tracking # **5349 7832 1880**

Received by: (Signature)  
  
 Date: Time:  
 Received by: (Signature)  
  
 Date: Time:  
 Received for lab by: (Signature)  
  
 Date: **8/24/22** Time: **0848**

Hold #  
 Condition: (lab use only) **OK**  
 COC Seal Intact:  Y  N  NA  
 NCF:

## MEMORANDUM

**TO:** Project File **DATE:** September 14, 2021  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413001.02.501-06  
**TASK:** EIM Data Validation Level EPA2A for August 2021 – Soil Vapor Samples  
**LAB:** Pace Sample Delivery Group (SDG): L1391360

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Seven (7) soil vapor probe samples (including one field duplicate) were collected as part of the 2021 quarterly (Q3) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on August 12-14, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

The quality assurance review of the sample data associated with SDG L1391360.

### **DATA QUALIFICATIONS**

Guidelines established by USEPA for a limited data validation review of analytical data along with PACE control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### **DATA VALIDATION**

#### **Completeness**

All samples were collected and analyzed as requested.

#### **Sample Collection and Preservation**

The laboratory supplied Summa Canister™ canisters (1Liter) for the air samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

## **Holding Times**

### *USEPA Method TO-15:*

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

## **Initial and Continuing Calibration**

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

## **Method Blank Results**

### *USEPA Method TO-15:*

A laboratory method blank is included with the analytical batch per method requirement. The target analytes were not detected in the method blank at or above the reporting detection limits (RDLs) with one exception:

- Analytical Batch WG1725234: A low level of propene (also referred to as 1-propene) is detected below the RDL in the method blank. No action is needed since these compounds were either detected above the RDL or not detected in the associated samples.

## **Trip Blank Results**

A trip blank is not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

## **Field Duplicate Analyses**

One field duplicate sample pair was collected contemporaneously using a t-joint at the soil vapor probe. Field duplicate samples are as follows:

- Sample SV01-081421 and field duplicate sample SV-908-081221

Target analyte results are comparable and within a relative percent difference (RPD) of 30% for the field duplicate pair with the following exceptions:

- Sample SV01-081421 and field duplicate sample SV-908-081221: Four VOC compound (acetone, 1,1,1-trichloroethane, chloroform, and ethanol) results are not comparable with RPDs greater than 30% (or for results < 5X RDL the absolute difference < 1X RDL).  
**Field duplicate results for these compounds are estimated and qualified (UJ/J).**

### **Laboratory Duplicate/Replicate Analyses**

#### *USEPA Method TO-15:*

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

### **Surrogate Recoveries**

#### *USEPA Method TO-15*

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blank, and laboratory control samples are within the laboratory surrogate control limits of 60 -140% R with the following exceptions:

- Surrogate 1,4-bromofluorobenzene recoveries are above control limit criteria for samples SV01-081421 and SV-908-081221 (analytical batches WG1725234 and WG1725997) due to matrix interference. **All sample SV01-081421 and SV-908-081221 detections associated with batch WG1725234 and WG1725997 are qualified as estimated (J) due to elevated surrogate recoveries.**

### **Laboratory Control Samples**

#### *USEPA Method TO-15:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria.

### **Matrix Spike/Matrix Spike Duplicates**

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Quantitation Limits**

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per million volume (ppbv) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Quality control results are reported in ppbv units only.



The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs were acceptable for the project; therefore, no data qualifications were warranted with the following exception:

- Sample SV-15-081221 ethanol detection exceeds the upper calibration range and is laboratory qualified (E). **Sample SV-15-081221 ethanol result is estimated and qualified (J).**

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.76	20.8		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	41.7	130		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	122	230	J E	1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.823	4.62		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.312	1.54		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	4.36	10.7		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	0.699	2.63		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

JC 9/14/21

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.282	1.38		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG1725234</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG1725234</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.0				<a href="#">WG1725234</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 9/14/21

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.49 J	5.92 J		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	9.15 J	29.2 J		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	8.27 J	40.3 J		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	17.0 J	58.5 J		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.14 J	24.6 J		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.381 J	1.51 J		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	8.34 J	33.1 J		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.655 J	2.60 J		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	ND UJ	ND UJ		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	0.678 J	2.39 J		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.32 J	15.8 J		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/14/2021

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.535 J	2.91 J		1	<a href="#">WG1725234</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1725234</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1725234</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1725234</a>
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	111 J	519 J		10	<a href="#">WG1725997</a>
Vinyl chloride	75-01-4	62.50	2.00	5.11	174 J	445 J		10	<a href="#">WG1725997</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1725234</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1725234</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1725234</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		166		J1		<a href="#">WG1725234</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				<a href="#">WG1725997</a>

## Sample Narrative:

L1391360-06 WG1725234: Surrogate failure due to matrix interference.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/14/2021

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.61 J	11.0 J		1	WG1725234
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1725234
Benzene	71-43-2	78.10	0.200	0.639	9.10 J	29.1 J		1	WG1725234
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1725234
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1725234
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1725234
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1725234
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1725234
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1725234
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1725234
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1725234
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1725234
Chloroform	67-66-3	119	0.200	0.973	0.902 J	4.39 J		1	WG1725234
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1725234
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1725234
Cyclohexane	110-82-7	84.20	0.200	0.689	16.7 J	57.5 J		1	WG1725234
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1725234
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1725234
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1725234
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1725234
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1725234
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1725234
1,1-Dichloroethane	75-34-3	98	0.200	0.802	6.12 J	24.5 J		1	WG1725234
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.371 J	1.47 J		1	WG1725234
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	8.33 J	33.0 J		1	WG1725234
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.641 J	2.54 J		1	WG1725234
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1725234
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1725234
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1725234
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1725234
Ethanol	64-17-5	46.10	1.25	2.36	57.8 J	109 J		1	WG1725234
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1725234
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1725234
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1725234
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1725234
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1725234
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1725234
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1725234
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1725234
n-Hexane	110-54-3	86.20	0.630	2.22	0.768 J	2.71 J		1	WG1725234
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1725234
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1725234
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1725234
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1725234
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1725234
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1725234
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1725234
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1725234
2-Propanol	67-63-0	60.10	1.25	3.07	2.42 J	5.95 J		1	WG1725234
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1725234
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1725234
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1725234
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.88 J	12.8 J		1	WG1725234
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1725234
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1725234
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1725234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 9/14/2021

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND	UJ	1	WG1725234
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1725234
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1725234
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.210	1.03	J	1	WG1725234
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1725234
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	121	565	J	10	WG1725997
Vinyl chloride	75-01-4	62.50	2.00	5.11	187	478	J	10	WG1725997
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1725234
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1725234
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1725234
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1725234
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		165		J1		WG1725234
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG1725997

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1391360-07 WG1725234: Surrogate failure due to matrix interference.

## MEMORANDUM

**TO:** Project File **DATE:** January 19, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413-00102.501-06  
**TASK:** EIM Data Validation Level EPA2A for Q4 2021 – Soil Vapor Samples  
**LAB:** Pace Sample Delivery Group (SDG): L1444155

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Two (2) soil vapor samples, from a 4<sup>th</sup> Quarter abbreviated sampling list, were collected as part of the 2021 quarterly (Q4) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on December 16-17, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

The fourth quarter of RI sampling was conducted November – December 2021. Results for groundwater are reported in multiple Work Orders from Fremont (this includes Work Orders provided by subcontractor Analytical Resources, Inc.) as well as results reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. Work Orders or SDGs are reviewed in groups (less than 10 Work Orders or SDGs) for each data validation report. The quality assurance review of the soil vapor extraction sample data associated with SDG L1444155 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with PACE control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.



## **Sample Collection and Preservation**

The laboratory supplied Summa Canister™ canisters (1 Liter) for the air samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

## **Holding Times**

### *USEPA Method TO-15:*

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

## **Initial and Continuing Calibration**

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

## **Method Blank Results**

### *USEPA Method TO-15:*

A laboratory method blank is included with the analytical batch per method requirement. The target analytes were not detected in the method blank at or above the reporting detection limits (RDLs) with the following discussion:

- Analytical Batch WG1792264: A low level of propene is detected below the RDL in the method blank. No action is needed since this compound is not detected in the associated samples.

## **Trip Blank Results**

A trip blank is not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

## **Field Duplicate Analyses**

Field duplicate samples were not collected. Refer to Laboratory Control Sample section for precision data.

## **Laboratory Duplicate/Replicate Analyses**

### *USEPA Method TO-15:*

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

## **Surrogate Recoveries**

### *USEPA Method TO-15*

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blank, and laboratory control samples are within the laboratory surrogate control limits of 60 -140% R.

## **Laboratory Control Samples**

### *USEPA Method TO-15:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria.

## **Matrix Spike/Matrix Spike Duplicates**

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

## **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

## **Quantitation Limits**

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per million volume (ppbv) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Quality control results are reported in ppbv units only.

The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs were acceptable for the project; therefore, no data qualifications were warranted.

## **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

No data qualifiers are assigned. All data are judged to be acceptable for their intended use.

## MEMORANDUM

**TO:** Project File **DATE:** March 18, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 443017-141300102.501-06  
**TASK:** EIM Data Validation Level EPA2A for Q1 2022 – Soil Vapor Samples  
**LAB:** Pace Sample Delivery Groups (SDGs): L1469374, L1469378, and L1469380

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Eleven soil vapor samples (including one field duplicate), from a 1st Quarter abbreviated sampling list, were collected as part of the 2022 quarterly (Q1) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on March 3, 7, and 8, 2021. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

The 1st quarter of RI sampling was conducted February and March 2022. Results for groundwater are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. SDGs are reviewed in groups (less than 10 SDGs) for each data validation report. The quality assurance review of the soil vapor extraction sample data associated with SDG L1469374, L1469378, and L1469380 are summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with PACE control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.

## **Sample Collection and Preservation**

The laboratory supplied Summa Canister™ (1 Liter) for the air samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

## **Holding Times**

### *USEPA Method TO-15:*

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

## **Initial and Continuing Calibration**

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

## **Method Blank Results**

### *USEPA Method TO-15:*

A laboratory method blank is included with the analytical batch per method requirement. The target analytes were not detected in the method blank at or above the reporting detection limits (RDLs) with the following discussions:

- SDG L1469378 - Analytical Batch WG1830953: A low level of 1,4-dichlorobenzene is detected below the RDL in the method blank. No action is needed since this compound is not detected in the associated samples.
- SDG L1469380 - Analytical Batch WG1830951: A low level of propene is detected below the RDL in the method blank. No action is needed since this compound is not detected in the associated samples.

## **Trip Blank Results**

A trip blank is not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

## **Field Duplicate Analyses**

Field duplicate sample was submitted and analyzed. Field duplicate sample pair is as follows:

- SDG L1469374: Samples SV-18-030722 and SV-909-030722

Target analyte results are comparable and within a relative percent difference (RPD) of 30% ( $\pm$  1x RDL for groundwater results <5X the RDL) for the field duplicate pair with the following exceptions:

- SDG L1469374: Ethanol RPD exceeds acceptance criteria. **Field duplicate ethanol results for samples SV-18-030722 and SV-909-030722 are estimated and qualified (J).**

### **Laboratory Duplicate/Replicate Analyses**

*USEPA Method TO-15:*

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

### **Surrogate Recoveries**

*USEPA Method TO-15*

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blanks, and laboratory control samples are within the laboratory surrogate control limits of 60 - 140% R.

### **Laboratory Control Samples**

*USEPA Method TO-15:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria.

### **Matrix Spike/Matrix Spike Duplicates**

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Quantitation Limits**

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per million

volume (ppbv) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Quality control results are reported in ppbv units only.

The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs were acceptable for the project; therefore, no data qualifications were warranted.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	0.290	0.765		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	0.274	1.33		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	0.483	1.66		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	4.02	16.1		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	3.59 J	6.77 J		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.617	3.05		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	0.701	2.47		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.280	0.826		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/23/22

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	6.04	32.9		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	12.7	59.3		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	13.3	34.0		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1830338
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1830338
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1830338
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1830338
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1830338
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1830338
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1830338
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1830338
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1830338
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1830338
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1830338
Chloroethane	75-00-3	64.50	0.200	0.528	0.280	0.739		1	WG1830338
Chloroform	67-66-3	119	0.200	0.973	0.271	1.32		1	WG1830338
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1830338
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1830338
Cyclohexane	110-82-7	84.20	0.200	0.689	0.443	1.53		1	WG1830338
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1830338
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1830338
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1830338
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1830338
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1830338
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1830338
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.99	16.0		1	WG1830338
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1830338
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1830338
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1830338
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1830338
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1830338
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1830338
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1830338
Ethanol	64-17-5	46.10	1.25	2.36	11.2 J	21.1 J		1	WG1830338
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1830338
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1830338
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1830338
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.688	3.40		1	WG1830338
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1830338
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1830338
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1830338
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1830338
n-Hexane	110-54-3	86.20	0.630	2.22	0.638	2.25		1	WG1830338
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1830338
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1830338
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1830338
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1830338
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1830338
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1830338
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1830338
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1830338
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1830338
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1830338
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1830338
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1830338
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1830338
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1830338
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1830338
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1830338

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/23/22

## Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	6.01	32.7		1	<a href="#">WG1830338</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG1830338</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG1830338</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG1830338</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	12.7	59.3		1	<a href="#">WG1830338</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	13.1	33.5		1	<a href="#">WG1830338</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG1830338</a>
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	<a href="#">WG1830338</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG1830338</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG1830338</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.4				<a href="#">WG1830338</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## MEMORANDUM

**TO:** Project File **DATE:** May 23, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 443022-1413001.10.701  
**TASK:** EIM Data Validation Level EPA2A for Q2 2022 – Soil Vapor Samples  
**LAB:** Pace Sample Delivery Group (SDG): L1489979

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Two soil vapor samples were collected as part of the 2022 quarterly (Q2) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on May 4, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

The 2nd quarter of RI sampling was conducted in May 2022. Results for groundwater are reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. The quality assurance review of the soil vapor extraction sample data associated with SDG L1489979 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with PACE control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.

#### Sample Collection and Preservation

The laboratory supplied Summa Canister™ (1 Liter) for the air samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples

were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

### **Holding Times**

#### *USEPA Method TO-15:*

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

### **Initial and Continuing Calibration**

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

### **Method Blank Results**

#### *USEPA Method TO-15:*

A laboratory method blank is included with the analytical batch per method requirement. The target analytes were not detected in the method blank at or above the reporting detection limits (RDLs) with the following discussions:

- Analytical Batch WG1860320: A low level of propene is detected below the RDL in the method blank. No action is needed since this compound is not detected in the associated samples.

### **Trip Blank Results**

A trip blank is not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

### **Field Duplicate Analyses**

Field duplicate samples were not collected. Refer to laboratory control sample results for precision data.

### **Laboratory Duplicate/Replicate Analyses**

#### *USEPA Method TO-15:*

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

### **Surrogate Recoveries**

#### *USEPA Method TO-15*

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blanks, and laboratory control samples are within the laboratory surrogate control limits of 60 - 140% R.

### **Laboratory Control Samples**

#### *USEPA Method TO-15:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria.

### **Matrix Spike/Matrix Spike Duplicates**

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

### **Quantitation Limits**

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per million volume (ppbv) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Quality control results are reported in ppbv units only.

The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs were acceptable for the project; therefore, no data qualifications were warranted.

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

No data qualifiers are assigned. All data are judged to be acceptable for their intended use.

## MEMORANDUM

**TO:** Project File **DATE:** September 8, 2022  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 443022-1413001.10.701.04  
**TASK:** EIM Data Validation Level EPA2A for Q3 2022 – Soil Vapor Samples  
**LAB:** Pace Sample Delivery Group (SDG): L1528574

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Two soil vapor samples were collected as part of the 2022 quarterly (Q3) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on August 22, 2022. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

The 3rd quarter of RI sampling was conducted in May 2022. Results for groundwater are reported in multiple Work Orders from Fremont as well as results reported in multiple Sample Delivery Groups (SDGs) by Pace Lab Sciences (Pace) of Mount Juliet, TN. The quality assurance review of the soil vapor extraction sample data associated with SDG L1528574 is summarized below.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with PACE control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.

## **Sample Collection and Preservation**

The laboratory supplied Summa Canister™ (1 Liter) for the air samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

## **Holding Times**

### *USEPA Method TO-15:*

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

## **Initial and Continuing Calibration**

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

## **Method Blank Results**

### *USEPA Method TO-15:*

A laboratory method blank is included with the analytical batch per method requirement. The target analytes were not detected in the method blank at or above the reporting detection limits (RDLs) with the following discussions:

- Analytical Batch WG1916415: A low level of propene is detected below the RDL in the method blank. No action is needed since this compound is either not detected or detected above the RDL in the associated samples.

## **Trip Blank Results**

A trip blank is not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

## **Field Duplicate Analyses**

Field duplicate samples were not collected. Refer to laboratory control sample results for precision data.

## **Laboratory Duplicate/Replicate Analyses**

### *USEPA Method TO-15:*

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

## **Surrogate Recoveries**

### *USEPA Method TO-15*

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blanks, and laboratory control samples are within the laboratory surrogate control limits of 60 - 140% R.

## **Laboratory Control Samples**

### *USEPA Method TO-15:*

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria.

## **Matrix Spike/Matrix Spike Duplicates**

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

## **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy however associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

## **Quantitation Limits**

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per million volume (ppbv) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Quality control results are reported in ppbv units only.

The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs were acceptable for the project; therefore, no data qualifications were warranted.

## **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

No data qualifiers are assigned. All data are judged to be acceptable for their intended use.



## Certificate of Analysis: Gene-Trac® *Dehalococcoides* Assay


**Customer:** Brian O'Neal, PES Environmental  
**Project:** American Linen  
**Customer Reference:** 1413.001.05.601


**SiREM Reference:** S-8278  
**Report Date:** 25-Aug-21  
**Data Files:** QS3A-DHCT-TM-QPCR-1911  
 QS3A-DB-DHC-TM-QPCR-1222

**Table 1a: Test Results**

Sample ID	<i>Dehalococcoides</i> (Dhc)	
	Percent Dhc <sup>(1)</sup>	Enumeration/Liter <sup>(2)</sup>
MW-179-080921	8 - 23 %	9 x 10 <sup>8</sup>
MW-177-080921	14 - 35 %	3 x 10 <sup>8</sup>
MW-181-080921	7 - 20 %	2 x 10 <sup>8</sup>
MW-182-080921	10 - 26 %	4 x 10 <sup>8</sup>
MW-170-080921	0.8 - 2 %	8 x 10 <sup>6</sup>
MW-166-081021	0.2 - 0.6 %	2 x 10 <sup>6</sup>

See final page for notes.

**Analyst:**   
 Taylor Aris, B.Sc.  
 Laboratory Technician II

**Approved:**   
 Jen Wilkinson  
 Senior Laboratory Technician II

## Certificate of Analysis: Gene-Trac® Functional Gene Assay

**Customer:** Brian O'Neal, PES Environmental  
**Project:** American Linen  
**Customer Reference:** 1413.001.05.601

**SiREM Reference:** S-8278  
**Report Date:** 24-Aug-21  
**Data Files:** QS3A-FGA-QPCR-1262  
 QS3A-DB-FGA-QPCR-0953

**Table 1b: Test Results**

Sample ID	VC Reductase ( <i>vcrA</i> )		BAV1 VC Reductase ( <i>bvcA</i> )		TCE Reductase ( <i>tceA</i> )	
	Percent <i>vcrA</i> <sup>(3)</sup>	Gene Copies/Liter	Percent <i>bvcA</i> <sup>(3)</sup>	Gene Copies/Liter	Percent <i>tceA</i> <sup>(3)</sup>	Gene Copies/Liter
MW-179-080921	1 - 4 %	2 x 10 <sup>8</sup>	0.3 - 0.8 %	3 x 10 <sup>7</sup>	12 - 32 %	1 x 10 <sup>9</sup>
MW-177-080921	4 - 11 %	8 x 10 <sup>7</sup>	16 - 40 %	4 x 10 <sup>8</sup>	1 - 3 %	2 x 10 <sup>7</sup>
MW-181-080921	5 - 15 %	1 x 10 <sup>8</sup>	5 - 15 %	1 x 10 <sup>8</sup>	5 - 14 %	1 x 10 <sup>8</sup>
MW-182-080921	7 - 19 %	3 x 10 <sup>8</sup>	8 - 21 %	3 x 10 <sup>8</sup>	5 - 14 %	2 x 10 <sup>8</sup>
MW-170-080921	0.6 - 2 %	6 x 10 <sup>6</sup>	0.4 - 1 %	4 x 10 <sup>6</sup>	0.4 - 1 %	4 x 10 <sup>6</sup>
MW-166-081021	0.3 - 0.9 %	2 x 10 <sup>6</sup>	0.03 - 0.1 %	3 x 10 <sup>5</sup>	0.006 - 0.02 %	5 x 10 <sup>4</sup>

See final page for notes.

**Analyst:**



**Taylor Aris, B.Sc.**  
Laboratory Technician II

**Approved:**



**Jen Wilkinson**  
Senior Laboratory Technician II

**Table 2: Detailed Test Parameters, Test Reference S-8278**

<b>Customer Sample ID</b>	MW-179-080921	MW-177-080921	MW-181-080921	MW-182-080921	MW-170-080921	MW-166-081021
<b>SiREM Dhc Test ID</b>	DHC-21700	DHC-21701	DHC-21702	DHC-21703	DHC-21704	DHC-21705
<b>SiREM FGA Test ID</b>	FGA-10712	FGA-10713	FGA-10714	FGA-10715	FGA-10716	FGA-10717
<b>Date Sampled <sup>(4)</sup></b>	9-Aug-21	9-Aug-21	9-Aug-21	9-Aug-21	9-Aug-21	10-Aug-21
<b>Matrix</b>	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
<b>Date Received <sup>(4)</sup></b>	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21
<b>Sample Temperature</b>	8 °C	8 °C	8 °C	8 °C	8 °C	8 °C
<b>Filtration Date <sup>(4)</sup></b>	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21	11-Aug-21
<b>Volume Used for DNA Extraction</b>	100 mL	100 mL	100 mL	100 mL	100 mL	100 mL
<b>DNA Extraction Date</b>	18-Aug-21	18-Aug-21	18-Aug-21	18-Aug-21	18-Aug-21	18-Aug-21
<b>DNA Concentration in Sample (extractable)</b>	19950 ng/L	4275 ng/L	4725 ng/L	7575 ng/L	2025 ng/L (J)	1575 ng/L (J)
<b>PCR Amplifiable DNA</b>	Detected	Detected	Detected	Detected	Detected	Detected
<b>Dhc qPCR Date Analyzed</b>	20-Aug-21	20-Aug-21	20-Aug-21	20-Aug-21	20-Aug-21	20-Aug-21
<b>FGA qPCR Date Analyzed</b>	23-Aug-21	23-Aug-21	23-Aug-21	23-Aug-21	23-Aug-21	23-Aug-21
<b>Laboratory Controls (see Tables 3 &amp; 4)</b>	Passed	Passed	Passed	Passed	Passed	Passed
<b>Comments</b>	--	--	--	--	--	--

See final page for notes.

**Table 3: Gene-Trac Dhc Control Results, Test Reference S-8278**

Laboratory Control	Analysis Date	Control Description	Dhc 16S rRNA		Comments
			Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	
Positive Control	20-Aug-21	Genomic DNA (CSLD-1438)	$1.4 \times 10^6$	$1.5 \times 10^6$	Passed
Extraction Control	20-Aug-21	Extraction Control (KB-0827)	$1.0 \times 10^{11}$	$1.1 \times 10^{11}$	Passed
DNA Extraction Blank	20-Aug-21	Sterile Water (FB-3867)	0	$2.6 \times 10^3$ U	Passed
Negative Control	20-Aug-21	Reagent Blank (TBD-1508)	0	$2.6 \times 10^3$ U	Passed

See final page for notes.

**Table 4: Gene-Trac FGA Control Results, Test Reference S-8278**

Laboratory Control	Analysis Date	Control Description	<i>vcrA</i>		<i>bvcA</i>		<i>tceA</i>		Comments
			Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	
<b>Positive Control Low Concentration</b>	23-Aug-21	Genomic DNA (CSLF-1130)	$2.5 \times 10^6$	$4.1 \times 10^{6(5)}$	$5.4 \times 10^5$	$9.3 \times 10^{5(5)}$	$6.5 \times 10^5$	$1.5 \times 10^{6(5)}$	See Note 5
<b>Positive Control High Concentration</b>	23-Aug-21	Genomic DNA (CSHF-1130)	$4.7 \times 10^8$	$5.1 \times 10^8$	$1.3 \times 10^8$	$1.2 \times 10^8$	$1.7 \times 10^8$	$1.9 \times 10^8$	Passed
<b>DNA Extraction Blank</b>	23-Aug-21	Sterile Water (FB-3867)	0	$2.6 \times 10^3$ U	0	$2.6 \times 10^3$ U	0	$2.6 \times 10^3$ U	Passed
<b>Negative Control</b>	23-Aug-21	Reagent Blank (TBF-1101)	0	$2.6 \times 10^3$ U	0	$2.6 \times 10^3$ U	0	$2.6 \times 10^3$ U	Passed

See final page for notes.

**Notes:**

Dhc = *Dehalococcoides*

vcrA = VC reductase

bvcA = BAV1 VC reductase

tceA = TCE reductase

FGA = functional gene assay

J The associated value is an estimated quantity between the method detection limit and quantitation limit.

U Not detected, associated value is the quantitation limit.

B Analyte was detected in the method blank within an order of magnitude of the test sample.

E Extracted genomic DNA was not detected in the sample.

I Sample inhibited the test reaction based on inability to PCR amplify extracted DNA with universal primers.

ng/L = nanograms per liter

mL = milliliter

NA = not applicable

ND = not detected

DNA = deoxyribonucleic acid

16S rRNA = 16S ribosomal ribonucleic acid

PCR = polymerase chain reaction

qPCR = quantitative PCR

°C = degrees Celsius

<sup>1</sup> Percent *Dehalococcoides* (Dhc) in microbial population. This value is calculated by dividing the number of Dhc 16S ribosomal ribonucleic acid (rRNA) gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in Dhc enumeration.

<sup>2</sup> Based on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.

<sup>3</sup> Percent of functional gene in microbial population. This value is calculated by dividing the functional gene copies quantified by the total number of estimated prokaryotes in the sample (based on the total quantity of DNA extracted from the sample). A value of 100% would suggest that all microbes in the sample contain the gene.

<sup>4</sup> Samples are stabilized by freezing at -80 °C upon sample reception (field filters) or in-lab filtration (groundwater). Hold time not exceeded if sampling date is within 14 days of date received or filtration date.

<sup>5</sup> Control was outside recovery limit guidelines (+/- 50%), however, test results are deemed acceptable if one of two positive controls fall within the recovery limit guidelines.



# Chain-of-Custody Form

siremlab.com

180B Market Place Blvd  
Knoxville, TN 37922  
1-865-291-4718 or 1-866-251-1747

Lab #  
**S-8278**

*Project Name <b>American Linen</b>		*Project # <b>1413.001.05.601</b>		<b>Analysis</b>																						
*Project Manager <b>Brian O'Neal / Bill Haldeman</b>		*Company <b>PES Environmental</b>																								
*Email Address <b>SMcKernan@pesenv.com</b>																										
Address (Street) <b>2101 4th Ave #1310</b>																										
City <b>Seattle</b>	State/Province <b>WA</b>	Country <b>USA</b>																								
*Phone # <b>206-529-3980</b>																										
*Sampler's Signature <b>Hannah Cohen</b>		*Sampler's Printed Name <b>Hannah Cohen</b>		Gene-Trac DHC	Gene-Trac FGA	Gene-Trac DHB	Gene-Trac DHGM	Gene-Trac SRB	Volatile Fatty Acids	Dissolved hydrocarbon gases	Treatability Study	<b>Gene-Trac &amp; PCR DHC / FGA</b>	<b>Preservative Key</b>													
<table border="0"> <tr><td>0</td><td>None</td></tr> <tr><td>1</td><td>HCL</td></tr> <tr><td>2</td><td>Other _____</td></tr> <tr><td>3</td><td>Other _____</td></tr> <tr><td>4</td><td>Other _____</td></tr> <tr><td>5</td><td>Other _____</td></tr> <tr><td>6</td><td>Other _____</td></tr> </table>														0	None	1	HCL	2	Other _____	3	Other _____	4	Other _____	5	Other _____	6
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Client Sample ID	Sampling		Matrix	# of Containers	Gene-Trac DHC	Gene-Trac FGA	Gene-Trac DHB	Gene-Trac DHGM	Gene-Trac SRB	Volatile Fatty Acids	Dissolved hydrocarbon gases	Treatability Study	Gene-Trac & PCR DHC / FGA	Other Information
	Date	Time												
MW-179-080921	8/9/21	1105	GW	1										
MW-177-080921	"	1155	"	1									X	BIL-07530
MW-181-080921	"	1240	"	1									X	BK-07532
MW-182-080921	"	1325	"	1									X	BK-07533
MW-170-080921	"	1430	"	1									X	BK-07528
MW-166-081021	8/10/21	1400	"	1									X	BIL-07531 BK-07529

P.O. # <b>Billing Information</b> <b>KB1-1375</b>		Turnaround Time Requested		Cooler Condition: <b>For Lab Use Only</b> <b>Wet ice - Good cond.</b>				Cooler Temperature: <b>8.0°C K40056</b>			
*Bill To: <b>PES Environmental</b>		Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Proposal #:			
2101 4th Ave #1310											
Seattle, WA 98121											

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <b>Hannah Cohen</b>	Signature: <b>Heaven Thomas</b>	Signature:	Signature:	Signature:	Signature:
Printed Name: <b>Hannah Cohen</b>	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: <b>PES Environmental</b>	Firm:	Firm:	Firm:	Firm:	Firm:
Date/Time: <b>8/10/21 1530</b>	Date/Time: <b>11-Aug-21</b>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - return to Originator; Yellow - Lab Copy; Pink - Retained by Client

\* Mandatory Fields



*Project Name <i>American linen</i>		*Project # <i>1413.001.05.001</i>		<b>Analysis</b>																																																																							
*Project Manager <i>Brian O'Neal / Bill Halderman</i>		*Company <i>PES Environmental</i>																																																																									
*Email Address <i>SMcKenan@PESENV.COM</i>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td colspan="6">Preservative Key</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td colspan="6">0. None 1. HCL 2. Other _____ 3. Other _____ 4. Other _____ 5. Other _____ 6. Other _____</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td colspan="6" rowspan="3" style="text-align: center;">Other Information</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																						Preservative Key														0. None 1. HCL 2. Other _____ 3. Other _____ 4. Other _____ 5. Other _____ 6. Other _____														Other Information																					
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*Phone # <i>206-529-3980</i>																																																																											
*Sampler's Signature <i>Susan Thomas</i>		*Sampler's Printed Name <i>Susan Thomas</i>																																																																									
Client Sample ID		Sampling		Matrix	# of Containers	Gene-Trac DHC	Gene-Trac FGA	Gene-Trac DMB	Gene-Trac DHGM	Gene-Trac SRB	Volatile Fatty Acids	Dissolved hydrocarbon gases	Treatability Study																																																														
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<i>MW-179-080921</i>		<i>8-11-21</i>	<i>1000</i>	<i>Filter</i>	<i>1</i>	<i>X</i>	<i>X</i>																																																																				
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<i>MW-181-080921</i>		↓	↓	↓	<i>1</i>	<i>X</i>	<i>X</i>																																																																				
<i>MW-182-080921</i>		↓	↓	↓	<i>1</i>	<i>Y</i>	<i>X</i>																																																																				
<i>MW-170-080921</i>		↓	↓	↓	<i>1</i>	<i>X</i>	<i>X</i>																																																																				
<i>MW-166-081021</i>		↓	↓	↓	<i>1</i>	<i>Y</i>	<i>Y</i>																																																																				

P.O. #	Billing Information <i>KBI-1375</i>	Turnaround Time Requested Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	For Lab Use Only Cooler Condition: <i>Good</i> Cooler Temperature: <i>dry ice -18</i> Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	For Lab Use Only Proposal #:
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Relinquished By: Signature <i>Susan Thomas</i> Printed Name <i>Susan Thomas</i> Firm <i>SiREM</i> Date/Time <i>8/11/2021 1500</i>	Received By: Signature <i>Brett Corners</i> Printed Name <i>Brett Corners</i> Firm <i>SiREM</i> Date/Time <i>8/13/2021 1300</i>	Relinquished By: Signature Printed Name Firm Date/Time	Received By: Signature Printed Name Firm Date/Time	Relinquished By: Signature Printed Name Firm Date/Time	Received By: Signature Printed Name Firm Date/Time
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Distribution: White - return to Originator; Yellow - Lab Copy; Pink - Retained by Client  
\* Mandatory Fields



## Technical Note 1.5: Interpretation of Gene-Trac<sup>®</sup> Dhc, *vcrA*, *bvcA* and *tceA* Assays

This note provides technical background and guidelines for interpretation of the following Gene-Trac<sup>®</sup> assays:

- (1) Gene-Trac<sup>®</sup> Dhc
- (2) Gene-Trac<sup>®</sup> *vcrA*
- (3) Gene-Trac<sup>®</sup> *bvcA*
- (4) Gene-Trac<sup>®</sup> *tceA*

### Gene-Trac<sup>®</sup> Dhc-Total *Dehalococcoides* Test

#### Background

Gene-Trac<sup>®</sup> Dhc is a quantitative polymerase chain reaction (qPCR) test for the microbial species *Dehalococcoides mccartyi* (i.e., *Dehalococcoides* [Dhc]). The Gene-Trac<sup>®</sup> Dhc test targets sequences of the 16S ribosomal ribonucleic acid (16S rRNA) gene unique to Dhc. Note the 16S rRNA gene does not directly participate in dechlorination, but is used as a molecular fingerprint in the identification and quantification of a wide variety of microbial groups. The detection of Dhc in environmental samples is significant as Dhc contain the greatest number of reductive dehalogenase genes of any microbial group (Tas et al., 2010). Dhc are capable of reductive dechlorination of a wide variety compounds/compound classes including:

- Chlorinated ethenes (tetrachloroethene [PCE], trichloroethene [TCE], cis-1,2-dichloroethene [cDCE], 1,1-dichloroethene [1,1-DCE], trans-1,2-dichloroethene [tDCE], vinyl chloride [VC]) (Duhamel et al., 2002);
- 1,2-dichloroethane (1,2-DCA) to ethene (Grostern and Edwards, 2006);
- Selected polychlorinated biphenyl [PCB] congeners (Bedard et al., 2007);
- Selected chlorinated benzene compounds (Adrian et al., 2000; Fennell et al., 2004);
- Chlorophenols and polychlorinated dibenzo-*p*-dioxins (Fennell et al., 2004) and;
- 1,2-dibromoethane (Magnusson et al., 2000).

In addition to screening for diverse dechlorinating activities, Gene-Trac® Dhc can also be used to assess the *in situ* growth of Dhc containing bioaugmentation cultures such as KB-1® (Major et al., 2002).

## **Gene-Trac® Dhc Results Interpretation**

### **Negative (Non-detect [ND]) Gene-Trac® Dhc Test Results**

The absence of Dhc is associated with a lack of dechlorination or only partial reductive dechlorination of chlorinated ethenes. Where Dhc are absent the accumulation of cDCE is commonly observed, particularly after electron donor addition, often due to the presence of partial dechlorinators (e.g., *Dehalobacter*, *Geobacter*). Bioaugmentation with Dhc containing cultures (e.g., KB-1®) often improves bioremediation performance at sites lacking indigenous Dhc.

### **Positive (Detect) Gene-Trac® Dhc Test Results**

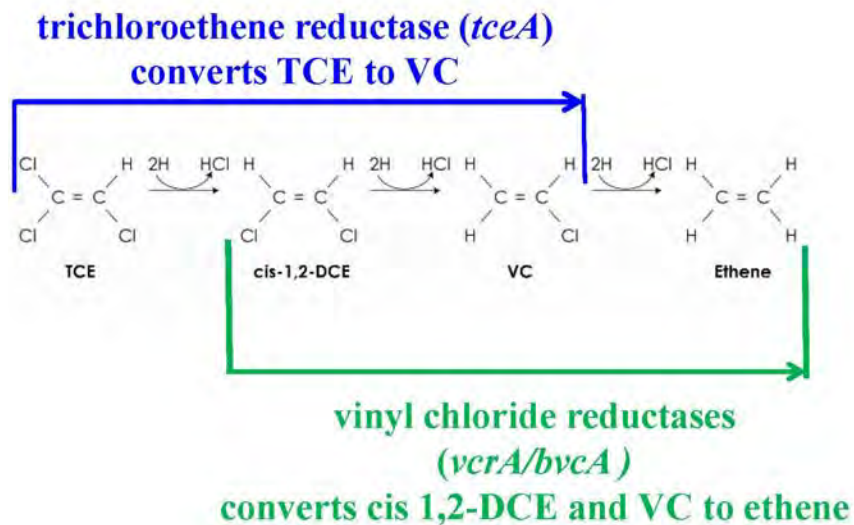
The detection of Dhc is correlated with the complete biological dechlorination of chlorinated ethenes to non-toxic ethene at contaminated sites (Hendrickson et al., 2002). A positive Gene-Trac® Dhc test indicates that Dhc DNA was detected and is correlated with the occurrence of reductive dechlorination. Note, not all Dhc can convert vinyl chloride to ethene; this capability can be determined by quantifying the functional genes (*vcrA*, *bvcA*, *tceA*) (see following section). In most cases Dhc must be present at sufficient concentrations in order for significant dechlorination to be observed, guidelines for expected impacts on chlorinated ethenes at various Dhc concentrations in groundwater are indicated below.

- **10<sup>4</sup> Dhc gene copies per liter (or lower):** indicates low concentrations of Dhc which may indicate site conditions that are sub-optimal for high rates of dechlorination. Increases in Dhc concentrations at the site may be possible if conditions are optimized (e.g., electron donor addition/pH adjustment).
- **10<sup>5</sup>-10<sup>6</sup> Dhc gene copies per liter:** indicates the sample contains moderate concentrations of Dhc which may, or may not, be associated with observable dechlorination activity.
- **1 x 10<sup>7</sup> Dhc gene copies per liter (or above):** indicates that the sample contains high concentrations of Dhc often associated with significant dechlorination rates (Lu et al., 2006).
- **10<sup>9</sup>-10<sup>10</sup> Dhc gene copies per liter:** are generally the highest observed for groundwater samples and are associated with very high rates of dechlorination

## Interpretation of Functional Gene Assays for *vcrA*, *bvcA* and *tceA*

### Background

Gene-Trac<sup>®</sup> *vcrA*, *bvcA* and *tceA* tests are provided combined as a functional gene assay package. These tests quantify genes that code for enzymes that dechlorinate chlorinated ethenes and other compounds. The *vcrA*, *bvcA* and *tceA* genes play specific roles in reductive dechlorination, specifically *tceA* converts TCE and cDCE to VC and *vcrA* and *bvcA* convert cDCE and VC to non-toxic ethene (Figure 1).



**Figure 1:** Major (energy yielding) activities against chlorinated ethene of enzymes coded for by the *tceA*, *vcrA* and *bvcA* genes.

### Results Interpretation

Table 1 provides interpretation guidelines for different scenarios for Gene-Trac<sup>®</sup> Dhc, *vcrA*, *bvcA* and *tceA* tests. In general, accumulation of VC is more likely where Gene-Trac<sup>®</sup> *vcrA/bvcA* results are ND, or significantly lower than Gene-Trac<sup>®</sup> Dhc/*tceA*. Where abundance of *vcrA/bvcA* is similar to total Dhc the chances of VC accumulation are reduced.

**Table 1: Interpretation of Gene-Trac® Dhc, *vcrA*, *bvcA*, *tceA* test results**

Gene Copies/L				Summary	Interpretation	Remediation Implications	
Dhc	<i>vcrA</i>	<i>bvcA</i>	<i>tceA</i>				
ND	ND	ND	ND	ND for Dhc and functional genes	Site lacks Dhc	Complete dechlorination unlikely, may observe cis-DCE accumulation Site may require bioaugmentation	
$\geq 1 \times 10^7$	$\geq 1 \times 10^7$	$\geq 1 \times 10^7$	$\geq 1 \times 10^7$	Dhc and <i>vcrA/bvcA/tceA</i> are the same	Entire Dhc population has <i>tceA</i> , <i>vcrA</i> and <i>bvcA</i> gene	Potential for complete dechlorination very high. VC stall unlikely-sites with <i>vcrA</i> above $1 \times 10^7$ /L typically have detectable ethene	
$\geq 1 \times 10^7$	ND	$\geq 1 \times 10^7$	ND	Total Dhc and <i>bvcA</i> are the same <i>vcrA/tceA</i> ND	Dhc at high concentrations entire Dhc population has <i>bvcA</i> gene	Potential for complete dechlorination high. VC stall unlikely	
$\geq 1 \times 10^7$	$\geq 1 \times 10^7$	ND	ND	Total Dhc and <i>vcrA</i> are the same <i>bvcA/tceA</i> ND	Dhc at high concentrations entire Dhc population has <i>vcrA</i> gene	Potential for complete dechlorination high. VC stall unlikely-sites with <i>vcrA</i> above $1 \times 10^7$ /L often have detectable ethene	
$\geq 1 \times 10^7$	ND	ND	$\geq 1 \times 10^7$	Total Dhc high; <i>vcrA</i> and <i>bvcA</i> non-detect <i>tceA</i> same as Dhc	High concentration of Dhc, entire Dhc population has <i>tceA</i> but lacks the <i>vcrA/bvcA</i> genes	Likelihood for VC accumulation high as <i>vcrA</i> and <i>bvcA</i> both ND	
$1 \times 10^7$	$1 \times 10^5$	$1 \times 10^6$	$1 \times 10^7$	Total Dhc and <i>tceA</i> is significantly higher (10-100 fold) than <i>vcrA/bvcA</i>	<i>Dhc</i> population consists of different types, some with the <i>vcrA/</i> gene (10%) some with <i>bvcA</i> gene (1%) all contain <i>tceA</i> gene	VC-accumulation possible; Dhc: <i>vcrA</i> : <i>bvcA</i> : <i>tceA</i> ratios may evolve over the course of remediation	
$1 \times 10^7$	$1 \times 10^7$	$1 \times 10^6$	ND	Total Dhc is high <i>vcrA/bvcA</i> high <i>tceA</i> ND	<i>tceA</i> negative population	cDCE to ethene dechlorination likely PCE and TCE dechlorination possible via <i>pceA</i> commonly found in other dechlorinators such as <i>Dehalobacter</i>	



= favorable for complete dechlorination,



= some potential for VC stall



= complete dechlorination unlikely

## Gene-Trac® *vcrA/bvcA*

Gene-Trac® *vcrA* and *bvcA* tests quantify VC-reductase genes that produce enzymes that convert VC to non-toxic ethene; a critical step in reductive dechlorination. The VC reductase genes (*vcrA*, *bvcA*) (Müller et al., 2004; Krajmalnik-Brown et al., 2004) produce enzymes found in many (but not all) Dhc. The *vcrA* gene is reported to be the most commonly identified VC reductase gene in the environment, whereas *bvcA* is generally less common but can predominate especially in more oxidizing groundwater (van der Zaan et al., 2010) and possibly where DCE is dominant. The *vcrA* gene can be used for tracking bioaugmentation cultures including KB-1® and is typically present at a 1:1 ratio with total Dhc whereas the *bvcA* gene is not predominant in the KB-1® culture and is present at less than a 1:1 ratio with total Dhc, therefore *bvcA* is not generally used for tracking KB-1® bioaugmentation and may be negative even after bioaugmentation with KB-1®.

## Positive Gene-Trac® *vcrA*, *bvcA* Tests

Positive Gene-Trac® *vcrA* or *bvcA* tests indicate that the Dhc population has the *vcrA* and/or the *bvcA* gene and complete dechlorination to ethene is likely. As a minimal requirement, *vcrA* and/or *bvcA* copies exceeding 10<sup>5</sup>/L combined with observed increases over time (i.e., cell growth) are required for robust VC dechlorination (van der Zaan et al., 2010). In one study, more than 90% of samples where *vcrA* enumeration exceeded 1 x 10<sup>7</sup> gene copies/L of groundwater had detectable ethene (Dennis, 2009). The enzyme produced by the *bvcA* genes has also been shown to degrade 1,2-DCA directly to ethene (Grostern and Edwards 2009) and the *bvcA* is used for tracking the KB-1® 1,2-DCA culture.

## Non-Detect in Gene-Trac® *vcrA/bvcA* Test

A ND in the Gene-Trac® *vcrA* and *bvcA* test indicates that *vcrA/bvcA* gene sequences in the sample were below the detection limit of the assay. In cases where *vcrA/bvcA* are ND the chances of VC accumulation are increased compared to samples with detectable *vcrA/bvcA*. In such cases, *tceA* may promote limited and slow cometabolic degradation of VC to ethene (Lee et al., 2008) that may account for (generally low) detections of ethene where *vcrA* and *bvcA* are ND.

## Gene-Trac® *tceA*

Gene-Trac® *tceA* test targets the trichloroethene reductase gene that produces an enzyme that primarily converts TCE to cDCE and VC. Studies have shown that this gene is commonly expressed under more oxidized conditions compared to *vcrA* (van der Zaan et al., 2010). Note the *tceA* gene is not predominant in the KB-1® culture and therefore *tceA* is not used for tracking KB-1® bioaugmentation.

### Positive *tceA* test

A positive *tceA* test indicates that the Dhc population has the potential to dechlorinate TCE to cDCE and VC and VC to ethene cometabolically at relatively slow rates (Lee et al. 2008). Detection of *tceA* in the absence of *vcrA/bvcA* also indicates an increased likelihood for VC accumulation. The enzyme produced by *tceA* is also reported to dehalogenate 1,2-DCA and 1,2 dibromoethane (Magnussen et al., 2000).

### Negative *tceA* test

A ND *tceA* test indicates that the Dhc population may lack the ability to convert TCE to cDCE and VC, nevertheless, conversion of PCE to cDCE is relatively common amongst other dechlorinators that harbor the *pceA* gene (Maillard et al., 2003; Wagner et al., 2012). Therefore *tceA* is not essential for complete dechlorination of TCE provided that *pceA* harboring microorganisms are present. Gene-Trac® Dhb (*Dehalobacter*) and Gene-Trac® Geo (*Geobacter*) can be used to quantify these common *pceA* containing microorganisms.

### Sites with mixed Dhc populations

At some sites the Dhc population is homogenous while other sites have Dhc populations that are mixtures of different Dhc types. These scenarios can lead to differing proportions for Gene-Trac® Dhc *vcrA bvcA* and *tceA* test results. If the numerical results of Gene-Trac® *vcrA*, *bvcA* or *tceA* tests are identical to those obtained in the Gene-Trac® Dhc test it suggests that the entire Dhc population contains that gene. In other cases, Gene-Trac® *vcrA*, *bvcA*, *tceA* results may differ significantly (i.e., more than an order of magnitude) from total Dhc. For example, the *vcrA* gene may be 100-fold lower than the total Dhc. This scenario would suggest that only 1% of the Dhc population harbors the *vcrA* gene and the remaining 99% of the Dhc population does not contain the *vcrA* gene. In such cases the proportions of the functional genes may change over time (e.g., the proportion of *vcrA* may increase as the VC concentration increases favoring Dhc that contain *vcrA*).

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## MEMORANDUM

**TO:** Project File **DATE:** September 10, 2021  
**FROM:** Jessie Compeau  
**SUBJECT:** Laboratory Data Validation Review  
**PROJECT:** American Linen Data Validation  
**PROJECT #:** 1413.001.05.601  
**TASK:** Data Validation - Limited Review for August 2021 – Groundwater Samples  
**LAB:** SiREM Reference: S-8278

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Six groundwater samples were collected as part of the 2021 quarterly (Q3) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on August 9 and 10, 2021. The samples were shipped and delivered to SiREM of Knoxville, TN for laboratory analysis. Samples were analyzed for the following:

- Gene-Trac Dehalococcoides (DHC) Assay; and
- Gene-Trac Functional Gene Assay (FGA)

The quality assurance review of the sample data associated with Reference S-8278.

### DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of microbiological data along with SiREM control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Quality Assurance/Quality Control Guidance for Laboratories Performing PCR Analyses on Environmental Samples (USEPA, 2004).

### DATA VALIDATION

#### Completeness

All samples were collected and analyzed as requested.

#### Sample Collection and Preservation

The laboratory supplied containers (1Liter) for the groundwater samples. The samples were shipped, delivered by FedEx, and received in good condition by the laboratory. Chain of custody records indicate that samples were received at 8 °C by SiREM on August 11, 2021. Samples were stabilized by in-lab filtration and then preserved with dry ice to -80° C. The samples were collected, handled, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

## **Holding Times**

The analyses for DHC and FGA methods were performed within the recommended holding time limit at or within 14-days after filtration. All holding time criteria are met.

## **Gene-Trac Dhc Control Results via Test Reference S-8278**

A PCR positive (amplification) control (Genomic DNA (CSLD-1438)) was used to confirm that the method was working as intended. A reagent water sample was seeded with a known quantity of the target organism (16S ribosomal ribonucleic acid or 16S rRNA) prior to sample processing. Recovery is within laboratory acceptance criteria.

A PCR reagent blank (extraction control) was performed to monitor contamination introduced during laboratory testing. A reagent water sample was seeded with a known concentration of 16S rRNA and recovery is within laboratory acceptance criteria.

A DNA extraction blank (sterile water) was used to confirm contamination throughout sample processing and PCR analysis. The DNA extraction blank recovery is laboratory qualified (U) to indicate that the blank was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

A negative control (reagent blank) was used to confirm that no contaminating nucleic acid was introduced into the master mix or into samples during sample processing. The negative control is laboratory qualified (U) to indicate that the negative control was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

## **Gene-Trac FGA Control Results via Test Reference S-8278**

PCR positive (amplification) low and high concentration controls (using Genomic DNA (CSLF-1130)) were used to confirm that the method was working as intended. Reagent water samples were seeded with a known quantity of the target organisms *vcrA* (vinyl chloride reductase), *bvcA* (*Dehalococcoides* sp. strain BAV1 (BAV1) vinyl chloride (VC) reductase), and *tceA* (trichloroethene (TCE) reductase) prior to sample processing. Recoveries for the positive control high concentration are within laboratory acceptance criteria. Recoveries for the positive control low concentration are above laboratory acceptance criteria with the following discussion:

- PCR positive control recoveries at low concentrations for *vcrA*, *bvcA*, and *tceA* are outside of control limits (greater than 50% of spiked amounts) however, test results are deemed acceptable by SiREM if one of the two positive controls fall within the recovery limit guidelines. Low level results, including samples MW-170-080921 and MW-166-081021, are unlikely to be significantly impacted by high bias in the low PCR. Refer to PCR positive high results for additional information.

A DNA extraction blank (sterile water) was used to confirm contamination throughout sample processing and PCR analysis. The DNA extraction blank recovery is laboratory qualified (U) to indicate that the blank was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

A negative control (reagent blank) was used to confirm that no contaminating nucleic acid was introduced into the master mix or into samples during sample processing. The negative control

is laboratory qualified (U) to indicate that the negative control was non-detect at the quantitation limit ( $2.6 \times 10^3$ ).

### **Other Quality Control Issues**

No laboratory quality control issues were identified in the laboratory report.

### **Quantitation Limits**

Results of the Dhc Assay show a percent range for each sample result (use mean value for screening purposes). Per SiREM “the value is collected by dividing the number of 16S rRNA gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Reported ranges represent a normal variation in Dhc enumeration.”

Results of the FGA assays show a percent range for each sample result (use mean value for screening purposes). Per SiREM “percent of functional gene in microbial population is calculated by dividing the functional gene copies quantified by the total number of estimated prokaryotes (based on the total quantity of DNA extracted from the sample).”

### **Data Assessment**

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Quality Assurance/Quality Control Guidance for Laboratories Performing PCR Analyses on Environmental Samples (USEPA, 2004).

No data are qualified. All data are judged to be acceptable for their intended use.