

APPENDIX I

DATA VALIDATION REVIEWS

PART 3

2021

MEMORANDUM

TO: Project File **DATE:** February 23, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.02.501G (90%) and 1413.001.05.601 (10%)

TASK: EIM Data Validation Level EPA2A for 4th Quarter Monitoring – Groundwater Samples – Group 1

LAB: Pace Sample Delivery Groups (SDGs): L1313961, L1314614, and L1315830

Thirty-nine (39) groundwater samples including one field duplicate, and two trip blanks were collected as part of the 1st Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in February 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;
- 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 SDGs L1313961, L1314614, and L1315830. 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017). 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 exceptions:

SDGs L1314614 and L1313961: Pace sample identifications did not match chain of custodies (COC) in two cases. PES contacted Pace to revise the report and associated EDDs. The following sample identifications were corrected:

- Laboratory sample L1313961-04 reads “MW-144R-020321” and sample identification was corrected by Pace to read “MW-144R-020221”.
- Laboratory sample L1314614-10 reads “MW-160-020421” and sample identification was corrected by Pace to read “MW-160-020521”.

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, 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 samples from the date of sample collection. All holding time criteria are met with the following exception:

- SDG L1314614: Sample MW-301-020521 was analyzed for nitrate one day past holding time. **Sample MW-301-020521 nitrate result is estimated and qualified (J) due to a holding time exceedance.**

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 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.**
- 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).

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
L1313961	WG1616374	9060A	TOC	397	J	1000	µg/L	NO
L1313961	WG1617521	9060A	TOC	455	J	1000	µg/L	NO
L1314614	WG1617994	9060A	TOC	371	J	1000	µg/L	NO
L1315830	WG1621637	9060A	TOC	145	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-020321 and TB-020521) were collected and analyzed for gasoline and VOCs. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

SDG L1313961: Low levels of gasoline and acetone were detected in the trip blank (TB-020321). Actions are as follows:

- **Associated gasoline detection below the RDL in sample MW125-020221 is qualified as not-detected (U).**
- Acetone was detected above the RDL in the trip blank at 1.99 ug/L (RDL is 1.00 ug/L). One associated sample acetone detection is above the RDL and below the trip blank detection. **Per guidance, the acetone result in sample MW125-020221 is qualified as not detected (U) due to blank contamination.**

SDG L1314614: Low levels of gasoline, acetone, benzene, and tetrahydrofuran were detected in the trip blank (TB-020521). Gasoline was also detected in the associated method blank. Actions are as follows:

- **Associated gasoline detections below the RDL in samples MW121-020521, MW-301-020521, and MW-9-020521 are qualified as not-detected (U).**
- Acetone was detected above the RDL in the trip blank at 5.33 ug/L (RDL is 1.00 ug/L). Associated sample acetone detections are above the RDL and below the trip blank detection. **Per guidance, associated acetone results in samples MW-167-020421, MW-173-020421, MW120-020521, MW-301-020521, MW-160-020521, MW121-020521, and MW-165-020421 are qualified as not detected (U) due to blank contamination.**
- **Associated benzene results below the RDL in samples MW-168-020421, MW-175-020421, MW-167-020421, MW-176-020421, and MW-160-020521 and are qualified as not-detected (U).**

- Associated tetrahydrofuran results below the RDL in samples MW-175-020421, MW-167-020421, MW-176-020421, MW121-020521, MW-160-020521, and MW120-020521 are qualified as not-detected (U).

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 L1315830: Sample MW-153-020921 and field duplicate MW-947-020921. Target analyte results are comparable and within a relative percent difference (RPD) of 30% (± 1 x RDL for groundwater results <5 X 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.

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 ± 1 x RDL for groundwater results <5 X 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 discussions:

- SDG L1314614 - Analytical batch WG1618057: LCS % recoveries for trans-1,2-dichloroethene, 1,1,1-trichloroethane, 1,2,3-trimethylbenzene, and allyl chloride are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1315830 - Analytical batch WG1620024: LCS % recoveries for chloromethane, 1,1,2-trichloroethane and 1,2,3-trimethylbenzene are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1315830 - Analytical batch WG1623031: LCS % recovery for trichloroethene is above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect 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, 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 LCS and field duplicate results for precision data.

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

MS/MSD spike analyses were not performed. Refer to LCS/LCSD or laboratory duplicate data 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 discussions:

- SDG L1313961: Matrix spike analysis was performed on client sample W-MW-01-020321 and manganese spike results are laboratory qualified (V) to indicate that the sample concentration is greater than 4X the spike amount. Per Guidance no action is taken.

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/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 discussion:

- SDG L1313961: Matrix spikes were performed on client and on non-client samples. Spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. No action is taken other than to note that various spike results are laboratory qualified (J3 or P1) to indicate high RPDs, but 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

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	916	J	594	5000	1	02/10/2021 05:08	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	8710		102	1000	1	02/06/2021 19:04	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5010		28.1	100	1	02/10/2021 14:12	WG1617894
Manganese	666		0.704	5.00	1	02/10/2021 14:12	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2480		0.287	0.678	1	02/11/2021 09:44	WG1618919
Ethane	U		0.296	1.29	1	02/10/2021 14:06	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:06	WG1619102

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	6.13		0.548	1.00	1	02/09/2021 17:39	WG1618791
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 17:39	WG1618791
Benzene	0.112		0.0160	0.0400	1	02/09/2021 17:39	WG1618791
Bromobenzene	U		0.0420	0.500	1	02/09/2021 17:39	WG1618791
Bromodichloromethane	U		0.0315	0.100	1	02/09/2021 17:39	WG1618791
Bromoform	U		0.239	1.00	1	02/09/2021 17:39	WG1618791
Bromomethane	U		0.148	0.500	1	02/09/2021 17:39	WG1618791
n-Butylbenzene	U		0.153	0.500	1	02/09/2021 17:39	WG1618791
sec-Butylbenzene	U		0.101	0.500	1	02/09/2021 17:39	WG1618791
tert-Butylbenzene	U		0.0620	0.200	1	02/09/2021 17:39	WG1618791
Carbon tetrachloride	U		0.0432	0.200	1	02/09/2021 17:39	WG1618791
Chlorobenzene	U		0.0229	0.100	1	02/09/2021 17:39	WG1618791
Chlorodibromomethane	U		0.0180	0.100	1	02/09/2021 17:39	WG1618791
Chloroethane	U		0.0432	0.200	1	02/09/2021 17:39	WG1618791
Chloroform	U		0.0166	0.100	1	02/09/2021 17:39	WG1618791
Chloromethane	U		0.0556	0.500	1	02/09/2021 17:39	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/09/2021 17:39	WG1618791
4-Chlorotoluene	U		0.0452	0.200	1	02/09/2021 17:39	WG1618791
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/09/2021 17:39	WG1618791
1,2-Dibromoethane	U		0.0210	0.100	1	02/09/2021 17:39	WG1618791
Dibromomethane	U		0.0400	0.200	1	02/09/2021 17:39	WG1618791
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/09/2021 17:39	WG1618791
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/09/2021 17:39	WG1618791
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/09/2021 17:39	WG1618791
Dichlorodifluoromethane	U		0.0327	0.100	1	02/09/2021 17:39	WG1618791
1,1-Dichloroethane	U		0.0230	0.100	1	02/09/2021 17:39	WG1618791
1,2-Dichloroethane	U		0.0190	0.100	1	02/09/2021 17:39	WG1618791
1,1-Dichloroethene	U		0.0200	0.100	1	02/09/2021 17:39	WG1618791
cis-1,2-Dichloroethene	5.36		0.0276	0.100	1	02/09/2021 17:39	WG1618791
trans-1,2-Dichloroethene	6.09		0.0572	0.200	1	02/09/2021 17:39	WG1618791
1,2-Dichloropropane	U		0.0508	0.200	1	02/09/2021 17:39	WG1618791

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Collected date/time: 02/02/21 06:20

L1313961

Volatile Organic 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	02/09/2021 17:39	WG1618791
1,3-Dichloropropane	U		0.0700	0.200	1	02/09/2021 17:39	WG1618791
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/09/2021 17:39	WG1618791
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/09/2021 17:39	WG1618791
2,2-Dichloropropane	U		0.0317	0.100	1	02/09/2021 17:39	WG1618791
Di-isopropyl ether	U		0.0140	0.0400	1	02/09/2021 17:39	WG1618791
Ethylbenzene	0.166		0.0212	0.100	1	02/09/2021 17:39	WG1618791
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/09/2021 17:39	WG1618791
Isopropylbenzene	U		0.0345	0.100	1	02/09/2021 17:39	WG1618791
p-Isopropyltoluene	U		0.0932	0.200	1	02/09/2021 17:39	WG1618791
2-Butanone (MEK)	U		0.500	1.00	1	02/09/2021 17:39	WG1618791
Methylene Chloride	U		0.265	1.00	1	02/09/2021 17:39	WG1618791
4-Methyl-2-pentanone (MIBK)	2.97		0.400	1.00	1	02/09/2021 17:39	WG1618791
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/09/2021 17:39	WG1618791
Naphthalene	U		0.124	0.500	1	02/09/2021 17:39	WG1618791
n-Propylbenzene	U		0.0472	0.200	1	02/09/2021 17:39	WG1618791
Styrene	U		0.109	0.500	1	02/09/2021 17:39	WG1618791
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/09/2021 17:39	WG1618791
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/09/2021 17:39	WG1618791
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/09/2021 17:39	WG1618791
Tetrachloroethene	0.0510	L	0.0280	0.100	1	02/09/2021 17:39	WG1618791
Toluene	0.704		0.0500	0.200	1	02/09/2021 17:39	WG1618791
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/09/2021 17:39	WG1618791
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/09/2021 17:39	WG1618791
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/09/2021 17:39	WG1618791
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/09/2021 17:39	WG1618791
Trichloroethene	0.266		0.0160	0.0400	1	02/09/2021 17:39	WG1618791
Trichlorofluoromethane	U		0.0200	0.100	1	02/09/2021 17:39	WG1618791
1,2,3-Trichloropropane	U		0.204	0.500	1	02/09/2021 17:39	WG1618791
1,2,4-Trimethylbenzene	0.130	L	0.0464	0.200	1	02/09/2021 17:39	WG1618791
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/09/2021 17:39	WG1618791
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/09/2021 17:39	WG1618791
Vinyl chloride	1.80		0.0273	0.100	1	02/09/2021 17:39	WG1618791
Xylenes, Total	1.04		0.191	0.260	1	02/09/2021 17:39	WG1618791
Ethyl Ether	U		0.0170	0.100	1	02/09/2021 17:39	WG1618791
Tetrahydrofuran	46.0		2.25	12.5	25	02/07/2021 21:32	WG1617708
Iodomethane	U		0.242	0.500	1	02/09/2021 17:39	WG1618791
Allyl chloride	U		0.580	1.00	1	02/09/2021 17:39	WG1618791
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/09/2021 17:39	WG1618791
(S) Toluene-d8	105			75.0-131		02/07/2021 21:32	WG1617708
(S) Toluene-d8	100			75.0-131		02/09/2021 17:39	WG1618791
(S) 4-Bromofluorobenzene	102			67.0-138		02/07/2021 21:32	WG1617708
(S) 4-Bromofluorobenzene	95.8			67.0-138		02/09/2021 17:39	WG1618791
(S) 1,2-Dichloroethane-d4	88.9			70.0-130		02/07/2021 21:32	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 17:39	WG1618791

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 date / time	Batch
Sulfate	U		594	5000	1	02/04/2021 23:00	WG1616723

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 date / time	Batch
TOC (Total Organic Carbon)	9090		102	1000	1	02/06/2021 20:54	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9270		28.1	100	1	02/10/2021 14:22	WG1617894
Manganese	3360		0.704	5.00	1	02/10/2021 14:22	WG1617894

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	38.5 U	~~U~~	31.6	100	1	02/08/2021 05:13	WG1617882
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		02/08/2021 05:13	WG1617882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4330		0.287	0.678	1	02/10/2021 14:12	WG1619102
Ethane	U		0.296	1.29	1	02/10/2021 14:12	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:12	WG1619102

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.98 U		0.548	1.00	1	02/07/2021 17:50	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 17:58	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 17:50	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 17:50	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 17:50	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 17:50	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 17:50	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 17:50	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 17:50	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 17:50	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 17:50	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 17:50	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 17:50	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 17:50	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 17:50	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 17:58	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 17:50	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 17:50	WG1617708
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	02/07/2021 17:50	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 17:50	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 17:50	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 17:50	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 17:50	WG1617708

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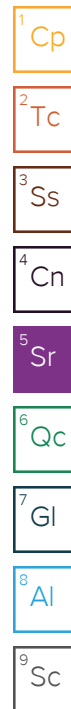


Collected date/time: 02/02/21 08:30

L1313961

Volatile 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	02/07/2021 17:50	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 17:50	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 17:50	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 17:50	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 17:50	WG1617708
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/07/2021 17:50	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 17:50	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 17:50	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 17:50	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 17:50	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 17:50	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 17:50	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 17:50	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 17:50	WG1617708
Ethylbenzene	0.101		0.0212	0.100	1	02/07/2021 17:50	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 17:50	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 17:50	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 17:50	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 17:50	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 17:50	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 17:50	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 17:50	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 17:50	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 17:50	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 17:50	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 17:50	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 17:50	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 17:50	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 17:50	WG1617708
Toluene	0.158		0.0500	0.200	1	02/07/2021 17:50	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 17:50	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 17:50	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 17:50	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 17:50	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 17:50	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 17:50	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 17:50	WG1617708
1,2,4-Trimethylbenzene	0.0640		0.0464	0.200	1	02/07/2021 17:50	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 17:50	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 17:50	WG1617708
Vinyl chloride	U		0.0273	0.100	1	02/07/2021 17:50	WG1617708
Xylenes, Total	0.716		0.191	0.260	1	02/07/2021 17:50	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 17:50	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 17:50	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 17:50	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 17:50	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 17:50	WG1617708
(S) Toluene-d8	106			75.0-131		02/07/2021 17:50	WG1617708
(S) Toluene-d8	102			75.0-131		02/09/2021 17:58	WG1618791
(S) 4-Bromofluorobenzene	99.1			67.0-138		02/07/2021 17:50	WG1617708
(S) 4-Bromofluorobenzene	97.7			67.0-138		02/09/2021 17:58	WG1618791
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		02/07/2021 17:50	WG1617708
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/09/2021 17:58	WG1618791



JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	19200		594	5000	1	02/10/2021 05:21	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	4820		102	1000	1	02/06/2021 22:08	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	12000		28.1	100	1	02/10/2021 14:25	WG1617894
Manganese	697		0.704	5.00	1	02/10/2021 14:25	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1070		0.287	0.678	1	02/10/2021 14:17	WG1619102
Ethane	U		0.296	1.29	1	02/10/2021 14:17	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:17	WG1619102

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	02/07/2021 18:09	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 18:17	WG1618791
Benzene	0.0270	J	0.0160	0.0400	1	02/07/2021 18:09	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 18:09	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 18:09	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 18:09	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 18:09	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 18:09	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 18:09	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 18:09	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 18:09	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 18:09	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 18:09	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 18:09	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 18:09	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 18:17	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 18:09	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 18:09	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 18:09	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 18:09	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 18:09	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 18:09	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 18:09	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 18:09	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 18:09	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 18:09	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 18:09	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 18:09	WG1617708
cis-1,2-Dichloroethene	0.0890	J	0.0276	0.100	1	02/07/2021 18:09	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 18:09	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 18:09	WG1617708

JC 2/26/2021



Collected date/time: 02/02/21 13:00

L1313961

Volatile Organic 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	02/07/2021 18:09	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 18:09	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 18:09	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 18:09	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 18:09	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 18:09	WG1617708
Ethylbenzene	0.197		0.0212	0.100	1	02/07/2021 18:09	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 18:09	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 18:09	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 18:09	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 18:09	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 18:09	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 18:09	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 18:09	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 18:09	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 18:09	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 18:09	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 18:09	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 18:09	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 18:09	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 18:09	WG1617708
Toluene	0.532		0.0500	0.200	1	02/07/2021 18:09	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 18:09	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 18:09	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 18:09	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 18:09	WG1617708
Trichloroethene	0.0680		0.0160	0.0400	1	02/07/2021 18:09	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 18:09	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 18:09	WG1617708
1,2,4-Trimethylbenzene	0.0870	U	0.0464	0.200	1	02/07/2021 18:09	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 18:09	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 18:09	WG1617708
Vinyl chloride	0.526		0.0273	0.100	1	02/07/2021 18:09	WG1617708
Xylenes, Total	1.17		0.191	0.260	1	02/07/2021 18:09	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 18:09	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 18:09	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 18:09	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 18:09	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 18:09	WG1617708
(S) Toluene-d8	107			75.0-131		02/07/2021 18:09	WG1617708
(S) Toluene-d8	102			75.0-131		02/09/2021 18:17	WG1618791
(S) 4-Bromofluorobenzene	99.8			67.0-138		02/07/2021 18:09	WG1617708
(S) 4-Bromofluorobenzene	98.6			67.0-138		02/09/2021 18:17	WG1618791
(S) 1,2-Dichloroethane-d4	89.7			70.0-130		02/07/2021 18:09	WG1617708
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/09/2021 18:17	WG1618791

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

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1180	J	594	5000	1	02/10/2021 05:34	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	3470	B	102	1000	1	02/06/2021 22:25	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2510		28.1	100	1	02/10/2021 14:28	WG1617894
Manganese	1030		0.704	5.00	1	02/10/2021 14:28	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1220		0.287	0.678	1	02/11/2021 09:47	WG1618919
Ethane	408		0.296	1.29	1	02/10/2021 14:20	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:20	WG1619102

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

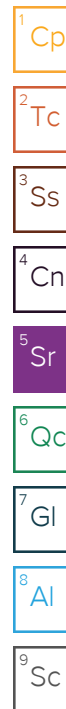
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	55.7		0.548	1.00	1	02/07/2021 18:28	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 18:36	WG1618791
Benzene	0.0460		0.0160	0.0400	1	02/07/2021 18:28	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 18:28	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 18:28	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 18:28	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 18:28	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 18:28	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 18:28	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 18:28	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 18:28	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 18:28	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 18:28	WG1617708
Chloroethane	0.405	J+ C5	0.0432	0.200	1	02/07/2021 18:28	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 18:28	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 18:36	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 18:28	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 18:28	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 18:28	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 18:28	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 18:28	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 18:28	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 18:28	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 18:28	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 18:28	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 18:28	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 18:28	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 18:28	WG1617708
cis-1,2-Dichloroethene	0.450		0.0276	0.100	1	02/07/2021 18:28	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 18:28	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 18:28	WG1617708

JC 2/26/2021



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	02/07/2021 18:28	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 18:28	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 18:28	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 18:28	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 18:28	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 18:28	WG1617708
Ethylbenzene	0.150		0.0212	0.100	1	02/07/2021 18:28	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 18:28	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 18:28	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 18:28	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 18:28	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 18:28	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 18:28	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 18:28	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 18:28	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 18:28	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 18:28	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 18:28	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 18:28	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 18:28	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 18:28	WG1617708
Toluene	0.393		0.0500	0.200	1	02/07/2021 18:28	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 18:28	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 18:28	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 18:28	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 18:28	WG1617708
Trichloroethene	0.0750		0.0160	0.0400	1	02/07/2021 18:28	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 18:28	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 18:28	WG1617708
1,2,4-Trimethylbenzene	0.0730	U	0.0464	0.200	1	02/07/2021 18:28	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 18:28	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 18:28	WG1617708
Vinyl chloride	0.632		0.0273	0.100	1	02/07/2021 18:28	WG1617708
Xylenes, Total	1.03		0.191	0.260	1	02/07/2021 18:28	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 18:28	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 18:28	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 18:28	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 18:28	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 18:28	WG1617708
(S) Toluene-d8	105			75.0-131		02/07/2021 18:28	WG1617708
(S) Toluene-d8	98.3			75.0-131		02/09/2021 18:36	WG1618791
(S) 4-Bromofluorobenzene	99.7			67.0-138		02/07/2021 18:28	WG1617708
(S) 4-Bromofluorobenzene	98.4			67.0-138		02/09/2021 18:36	WG1618791
(S) 1,2-Dichloroethane-d4	92.9			70.0-130		02/07/2021 18:28	WG1617708
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/09/2021 18:36	WG1618791



JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	42800		594	5000	1	02/10/2021 05:48	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	4420	<u>B</u>	102	1000	1	02/06/2021 22:46	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2030		28.1	100	1	02/10/2021 14:32	WG1617894
Manganese	951		0.704	5.00	1	02/10/2021 14:32	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	755		0.287	0.678	1	02/10/2021 14:26	WG1619102
Ethane	U		0.296	1.29	1	02/10/2021 14:26	WG1619102
Ethene	48.9		0.422	1.27	1	02/10/2021 14:26	WG1619102

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	02/07/2021 18:47	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 18:55	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 18:47	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 18:47	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 18:47	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 18:47	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 18:47	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 18:47	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 18:47	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 18:47	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 18:47	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 18:47	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 18:47	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 18:47	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 18:47	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 18:55	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 18:47	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 18:47	WG1617708
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	02/07/2021 18:47	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 18:47	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 18:47	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 18:47	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 18:47	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 18:47	WG1617708
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	02/07/2021 18:47	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 18:47	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 18:47	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 18:47	WG1617708
cis-1,2-Dichloroethene	12.5		0.0276	0.100	1	02/07/2021 18:47	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 18:47	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 18:47	WG1617708

JC 2/26/2021



Collected date/time: 02/03/21 10:05

L1313961

Volatile Organic 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	02/07/2021 18:47	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 18:47	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 18:47	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 18:47	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 18:47	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 18:47	WG1617708
Ethylbenzene	0.0450	<u>L</u>	0.0212	0.100	1	02/07/2021 18:47	WG1617708
Hexachloro-1,3-butadiene	U	<u>C3</u>	0.508	1.00	1	02/07/2021 18:47	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 18:47	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 18:47	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 18:47	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 18:47	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 18:47	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 18:47	WG1617708
Naphthalene	U	<u>C3</u>	0.124	0.500	1	02/07/2021 18:47	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 18:47	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 18:47	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 18:47	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 18:47	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 18:47	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 18:47	WG1617708
Toluene	0.164	<u>L</u>	0.0500	0.200	1	02/07/2021 18:47	WG1617708
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	02/07/2021 18:47	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 18:47	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 18:47	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 18:47	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 18:47	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 18:47	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 18:47	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 18:47	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 18:47	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 18:47	WG1617708
Vinyl chloride	68.4		0.0273	0.100	1	02/07/2021 18:47	WG1617708
Xylenes, Total	0.252	<u>L</u>	0.191	0.260	1	02/07/2021 18:47	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 18:47	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 18:47	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 18:47	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 18:47	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 18:47	WG1617708
(S) Toluene-d8	106			75.0-131		02/07/2021 18:47	WG1617708
(S) Toluene-d8	101			75.0-131		02/09/2021 18:55	WG1618791
(S) 4-Bromofluorobenzene	99.9			67.0-138		02/07/2021 18:47	WG1617708
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/09/2021 18:55	WG1618791
(S) 1,2-Dichloroethane-d4	84.7			70.0-130		02/07/2021 18:47	WG1617708
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/09/2021 18:55	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	207000		2970	25000	5	02/10/2021 10:25	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	2210	~~B~~	102	1000	1	02/06/2021 23:00	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1080		28.1	100	1	02/10/2021 14:35	WG1617894
Manganese	386		0.704	5.00	1	02/10/2021 14:35	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	881		0.287	0.678	1	02/11/2021 09:49	WG1618919
Ethane	U		0.296	1.29	1	02/10/2021 14:33	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:33	WG1619102

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	02/07/2021 19:06	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 19:14	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 19:06	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 19:06	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 19:06	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 19:06	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 19:06	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 19:06	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 19:06	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 19:06	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 19:06	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 19:06	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 19:06	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 19:06	WG1617708
Chloroform	0.132		0.0166	0.100	1	02/07/2021 19:06	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 19:14	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 19:06	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 19:06	WG1617708
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	02/07/2021 19:06	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 19:06	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 19:06	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 19:06	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 19:06	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 19:06	WG1617708
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	02/07/2021 19:06	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 19:06	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 19:06	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 19:06	WG1617708
cis-1,2-Dichloroethene	1.22		0.0276	0.100	1	02/07/2021 19:06	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 19:06	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 19:06	WG1617708

JC 2/26/2021



Collected date/time: 02/03/21 12:10

L1313961

Volatile Organic 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	02/07/2021 19:06	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 19:06	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 19:06	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 19:06	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 19:06	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 19:06	WG1617708
Ethylbenzene	0.0810	<u>U</u>	0.0212	0.100	1	02/07/2021 19:06	WG1617708
Hexachloro-1,3-butadiene	U	<u>UJ</u> <u>C3</u>	0.508	1.00	1	02/07/2021 19:06	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 19:06	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 19:06	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 19:06	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 19:06	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 19:06	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 19:06	WG1617708
Naphthalene	U	<u>UJ</u> <u>C3</u>	0.124	0.500	1	02/07/2021 19:06	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 19:06	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 19:06	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 19:06	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 19:06	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 19:06	WG1617708
Tetrachloroethene	0.371		0.0280	0.100	1	02/07/2021 19:06	WG1617708
Toluene	0.198	<u>U</u>	0.0500	0.200	1	02/07/2021 19:06	WG1617708
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C3</u>	0.0250	0.500	1	02/07/2021 19:06	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 19:06	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 19:06	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 19:06	WG1617708
Trichloroethene	0.341		0.0160	0.0400	1	02/07/2021 19:06	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 19:06	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 19:06	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 19:06	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 19:06	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 19:06	WG1617708
Vinyl chloride	0.248		0.0273	0.100	1	02/07/2021 19:06	WG1617708
Xylenes, Total	0.550		0.191	0.260	1	02/07/2021 19:06	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 19:06	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 19:06	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 19:06	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 19:06	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 19:06	WG1617708
(S) Toluene-d8	105			75.0-131		02/07/2021 19:06	WG1617708
(S) Toluene-d8	102			75.0-131		02/09/2021 19:14	WG1618791
(S) 4-Bromofluorobenzene	103			67.0-138		02/07/2021 19:06	WG1617708
(S) 4-Bromofluorobenzene	98.8			67.0-138		02/09/2021 19:14	WG1618791
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		02/07/2021 19:06	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 19:14	WG1618791

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 date / time	Batch
Sulfate	46100		594	5000	1	02/10/2021 06:40	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	3560	<u>B</u>	102	1000	1	02/06/2021 23:19	WG1617521

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1990		28.1	100	1	02/10/2021 14:38	WG1617894
Manganese	818		0.704	5.00	1	02/10/2021 14:38	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1080		0.287	0.678	1	02/10/2021 14:43	WG1619102
Ethane	U		0.296	1.29	1	02/10/2021 14:43	WG1619102
Ethene	58.9		0.422	1.27	1	02/10/2021 14:43	WG1619102

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	02/07/2021 19:24	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 21:08	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 19:24	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 19:24	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 19:24	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 19:24	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 19:24	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 19:24	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 19:24	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 19:24	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 19:24	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 19:24	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 19:24	WG1617708
Chloroethane	1.95	J+ <u>C5</u>	0.0432	0.200	1	02/07/2021 19:24	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 19:24	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 21:08	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 19:24	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 19:24	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ <u>C3</u>	0.204	1.00	1	02/07/2021 19:24	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 19:24	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 19:24	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 19:24	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 19:24	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 19:24	WG1617708
Dichlorodifluoromethane	U	UJ <u>C3</u>	0.0327	0.100	1	02/07/2021 19:24	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 19:24	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 19:24	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 19:24	WG1617708
cis-1,2-Dichloroethene	1.74		0.0276	0.100	1	02/07/2021 19:24	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 19:24	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 19:24	WG1617708

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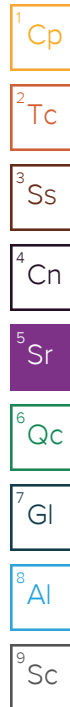


Collected date/time: 02/03/21 12:15

L1313961

Volatile Organic 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	02/07/2021 19:24	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 19:24	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 19:24	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 19:24	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 19:24	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 19:24	WG1617708
Ethylbenzene	U		0.0212	0.100	1	02/07/2021 19:24	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 19:24	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 19:24	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 19:24	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 19:24	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 19:24	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 19:24	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 19:24	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 19:24	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 19:24	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 19:24	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 19:24	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 19:24	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 19:24	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 19:24	WG1617708
Toluene	0.121		0.0500	0.200	1	02/07/2021 19:24	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 19:24	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 19:24	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 19:24	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 19:24	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 19:24	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 19:24	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 19:24	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 19:24	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 19:24	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 19:24	WG1617708
Vinyl chloride	28.1		0.0273	0.100	1	02/07/2021 19:24	WG1617708
Xylenes, Total	0.226		0.191	0.260	1	02/07/2021 19:24	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 19:24	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 19:24	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 19:24	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 19:24	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 19:24	WG1617708
(S) Toluene-d8	106			75.0-131		02/07/2021 19:24	WG1617708
(S) Toluene-d8	99.9			75.0-131		02/09/2021 21:08	WG1618791
(S) 4-Bromofluorobenzene	101			67.0-138		02/07/2021 19:24	WG1617708
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/09/2021 21:08	WG1618791
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		02/07/2021 19:24	WG1617708
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/09/2021 21:08	WG1618791



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	19300		594	5000	1	02/10/2021 06:53	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	64900		102	1000	1	02/05/2021 23:41	WG1616374

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1160		28.1	100	1	02/10/2021 13:49	WG1617894
Manganese	788	~~Y~~	0.704	5.00	1	02/10/2021 13:49	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2430		0.287	0.678	1	02/11/2021 09:52	WG1618919
Ethane	U		0.296	1.29	1	02/10/2021 14:46	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:46	WG1619102

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	4.83		0.548	1.00	1	02/07/2021 19:43	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 21:27	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 19:43	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 19:43	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 19:43	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 19:43	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 19:43	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 19:43	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 19:43	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 19:43	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 19:43	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 19:43	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 19:43	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 19:43	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 19:43	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 21:27	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 19:43	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 19:43	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 19:43	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 19:43	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 19:43	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 19:43	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 19:43	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 19:43	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 19:43	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 19:43	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 19:43	WG1617708
1,1-Dichloroethene	0.0320	J	0.0200	0.100	1	02/07/2021 19:43	WG1617708
cis-1,2-Dichloroethene	0.495		0.0276	0.100	1	02/07/2021 19:43	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 19:43	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 19:43	WG1617708

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Collected date/time: 02/03/21 13:50

L1313961

Volatile Organic 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	02/07/2021 19:43	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 19:43	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 19:43	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 19:43	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 19:43	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 19:43	WG1617708
Ethylbenzene	U		0.0212	0.100	1	02/07/2021 19:43	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 19:43	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 19:43	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 19:43	WG1617708
2-Butanone (MEK)	34.2		0.500	1.00	1	02/07/2021 19:43	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 19:43	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 19:43	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 19:43	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 19:43	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 19:43	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 19:43	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 19:43	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 19:43	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 19:43	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 19:43	WG1617708
Toluene	U		0.0500	0.200	1	02/07/2021 19:43	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 19:43	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 19:43	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 19:43	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 19:43	WG1617708
Trichloroethene	0.191		0.0160	0.0400	1	02/07/2021 19:43	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 19:43	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 19:43	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 19:43	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 19:43	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 19:43	WG1617708
Vinyl chloride	3.62		0.0273	0.100	1	02/07/2021 19:43	WG1617708
Xylenes, Total	U		0.191	0.260	1	02/07/2021 19:43	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 19:43	WG1617708
Tetrahydrofuran	13.3		0.0900	0.500	1	02/07/2021 19:43	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 19:43	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 19:43	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 19:43	WG1617708
(S) Toluene-d8	104			75.0-131		02/07/2021 19:43	WG1617708
(S) Toluene-d8	101			75.0-131		02/09/2021 21:27	WG1618791
(S) 4-Bromofluorobenzene	102			67.0-138		02/07/2021 19:43	WG1617708
(S) 4-Bromofluorobenzene	97.0			67.0-138		02/09/2021 21:27	WG1618791
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		02/07/2021 19:43	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 21:27	WG1618791

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 date / time	Batch
Sulfate	3750	J	594	5000	1	02/10/2021 07:06	WG1618259

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 date / time	Batch
TOC (Total Organic Carbon)	1320	E	102	1000	1	02/06/2021 00:23	WG1616374

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2960		28.1	100	1	02/10/2021 14:41	WG1617894
Manganese	200		0.704	5.00	1	02/10/2021 14:41	WG1617894

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17.4		0.287	0.678	1	02/10/2021 14:49	WG1619102
Ethane	U		0.296	1.29	1	02/10/2021 14:49	WG1619102
Ethene	U		0.422	1.27	1	02/10/2021 14:49	WG1619102

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	02/07/2021 20:17	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 21:46	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 20:17	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 20:17	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 20:17	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 20:17	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 20:17	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 20:17	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 20:17	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 20:17	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 20:17	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 20:17	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 20:17	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 20:17	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 20:17	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 21:46	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 20:17	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 20:17	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 20:17	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 20:17	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 20:17	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 20:17	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 20:17	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 20:17	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 20:17	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 20:17	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 20:17	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 20:17	WG1617708
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/07/2021 20:17	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 20:17	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 20:17	WG1617708

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Collected date/time: 02/03/21 14:20

L1313961

Volatile Organic 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	02/07/2021 20:17	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 20:17	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 20:17	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 20:17	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 20:17	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 20:17	WG1617708
Ethylbenzene	0.0390	U	0.0212	0.100	1	02/07/2021 20:17	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 20:17	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 20:17	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 20:17	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 20:17	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 20:17	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 20:17	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 20:17	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 20:17	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 20:17	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 20:17	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 20:17	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 20:17	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 20:17	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 20:17	WG1617708
Toluene	0.0880	U	0.0500	0.200	1	02/07/2021 20:17	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 20:17	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 20:17	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 20:17	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 20:17	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 20:17	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 20:17	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 20:17	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 20:17	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 20:17	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 20:17	WG1617708
Vinyl chloride	U		0.0273	0.100	1	02/07/2021 20:17	WG1617708
Xylenes, Total	0.282		0.191	0.260	1	02/07/2021 20:17	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 20:17	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 20:17	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 20:17	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 20:17	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 20:17	WG1617708
(S) Toluene-d8	104			75.0-131		02/07/2021 20:17	WG1617708
(S) Toluene-d8	100			75.0-131		02/09/2021 21:46	WG1618791
(S) 4-Bromofluorobenzene	101			67.0-138		02/07/2021 20:17	WG1617708
(S) 4-Bromofluorobenzene	102			67.0-138		02/09/2021 21:46	WG1618791
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		02/07/2021 20:17	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 21:46	WG1618791

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	43.3	<u>B</u> <u>J</u>	31.6	100	1	02/08/2021 01:14	WG1617882
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		02/08/2021 01:14	WG1617882

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	1.99		0.548	1.00	1	02/07/2021 15:57	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 15:46	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 15:57	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 15:57	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 15:57	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 15:57	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 15:57	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 15:57	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 15:57	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 15:57	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 15:57	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 15:57	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 15:57	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 15:57	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 15:57	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 15:46	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 15:57	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 15:57	WG1617708
1,2-Dibromo-3-Chloropropane	U	<u>U</u> <u>J</u> <u>C</u> <u>3</u>	0.204	1.00	1	02/07/2021 15:57	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 15:57	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 15:57	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 15:57	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 15:57	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 15:57	WG1617708
Dichlorodifluoromethane	U	<u>U</u> <u>J</u> <u>C</u> <u>3</u>	0.0327	0.100	1	02/07/2021 15:57	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 15:57	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 15:57	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 15:57	WG1617708
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/07/2021 15:57	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 15:57	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 15:57	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 15:57	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 15:57	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 15:57	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 15:57	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 15:57	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 15:57	WG1617708
Ethylbenzene	U		0.0212	0.100	1	02/07/2021 15:57	WG1617708
Hexachloro-1,3-butadiene	U	<u>U</u> <u>J</u> <u>C</u> <u>3</u>	0.508	1.00	1	02/07/2021 15:57	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 15:57	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 15:57	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 15:57	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 15:57	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 15:57	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 15:57	WG1617708
Naphthalene	U	<u>U</u> <u>J</u> <u>C</u> <u>3</u>	0.124	0.500	1	02/07/2021 15:57	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 15:57	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 15:57	WG1617708

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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	02/07/2021 15:57	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 15:57	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 15:57	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 15:57	WG1617708
Toluene	U		0.0500	0.200	1	02/07/2021 15:57	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 15:57	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 15:57	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 15:57	WG1617708
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/07/2021 15:57	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 15:57	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 15:57	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 15:57	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 15:57	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 15:57	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 15:57	WG1617708
Vinyl chloride	U		0.0273	0.100	1	02/07/2021 15:57	WG1617708
Xylenes, Total	U		0.191	0.260	1	02/07/2021 15:57	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 15:57	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 15:57	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 15:57	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 15:57	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 15:57	WG1617708
(S) Toluene-d8	107			75.0-131		02/07/2021 15:57	WG1617708
(S) Toluene-d8	102			75.0-131		02/09/2021 15:46	WG1618791
(S) 4-Bromofluorobenzene	101			67.0-138		02/07/2021 15:57	WG1617708
(S) 4-Bromofluorobenzene	99.1			67.0-138		02/09/2021 15:46	WG1618791
(S) 1,2-Dichloroethane-d4	89.9			70.0-130		02/07/2021 15:57	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 15:46	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

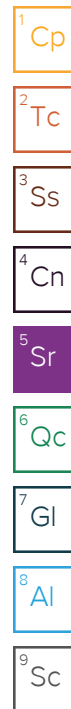
JC 2/26/2021



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	3.43	U	0.548	1.00	1	02/07/2021 21:50	WG1617708
Acrylonitrile	U		7.60	50.0	100	02/09/2021 23:23	WG1618791
Benzene	0.183		0.0160	0.0400	1	02/07/2021 21:50	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 21:50	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 21:50	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 21:50	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 21:50	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 21:50	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 21:50	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 21:50	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 21:50	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 21:50	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 21:50	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 21:50	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 21:50	WG1617708
Chloromethane	U		5.56	50.0	100	02/09/2021 23:23	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 21:50	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 21:50	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 21:50	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 21:50	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 21:50	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 21:50	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 21:50	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 21:50	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 21:50	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 21:50	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 21:50	WG1617708
1,1-Dichloroethene	1.19		0.0200	0.100	1	02/07/2021 21:50	WG1617708
cis-1,2-Dichloroethene	1570		2.76	10.0	100	02/09/2021 23:23	WG1618791
trans-1,2-Dichloroethene	23.5		0.0572	0.200	1	02/07/2021 21:50	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 21:50	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 21:50	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 21:50	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 21:50	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 21:50	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 21:50	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 21:50	WG1617708
Ethylbenzene	0.0800	U	0.0212	0.100	1	02/07/2021 21:50	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 21:50	WG1617708
Isopropylbenzene	0.0630	U	0.0345	0.100	1	02/07/2021 21:50	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 21:50	WG1617708
2-Butanone (MEK)	1.12		0.500	1.00	1	02/07/2021 21:50	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 21:50	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 21:50	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 21:50	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 21:50	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 21:50	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 21:50	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 21:50	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 21:50	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 21:50	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 21:50	WG1617708
Toluene	1.30		0.0500	0.200	1	02/07/2021 21:50	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 21:50	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 21:50	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 21:50	WG1617708

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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	02/07/2021 21:50	WG1617708
Trichloroethene	0.167		0.0160	0.0400	1	02/07/2021 21:50	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 21:50	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 21:50	WG1617708
1,2,4-Trimethylbenzene	0.0920	J	0.0464	0.200	1	02/07/2021 21:50	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 21:50	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 21:50	WG1617708
Vinyl chloride	1690		2.73	10.0	100	02/09/2021 23:23	WG1618791
Xylenes, Total	0.369		0.191	0.260	1	02/07/2021 21:50	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 21:50	WG1617708
Tetrahydrofuran	10.1		0.0900	0.500	1	02/07/2021 21:50	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 21:50	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 21:50	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 21:50	WG1617708
(S) Toluene-d8	105			75.0-131		02/07/2021 21:50	WG1617708
(S) Toluene-d8	101			75.0-131		02/09/2021 23:23	WG1618791
(S) 4-Bromofluorobenzene	103			67.0-138		02/07/2021 21:50	WG1617708
(S) 4-Bromofluorobenzene	98.1			67.0-138		02/09/2021 23:23	WG1618791
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		02/07/2021 21:50	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 23:23	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

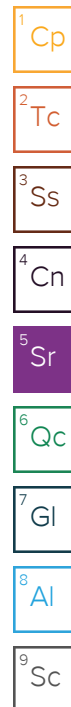
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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.15	U	0.548	1.00	1	02/07/2021 20:35	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 22:05	WG1618791
Benzene	0.242		0.0160	0.0400	1	02/07/2021 20:35	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 20:35	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 20:35	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 20:35	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 20:35	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 20:35	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 20:35	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 20:35	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 20:35	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 20:35	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 20:35	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 20:35	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 20:35	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 22:05	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 20:35	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 20:35	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 20:35	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 20:35	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 20:35	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 20:35	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 20:35	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 20:35	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 20:35	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 20:35	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 20:35	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 20:35	WG1617708
cis-1,2-Dichloroethene	0.272		0.0276	0.100	1	02/07/2021 20:35	WG1617708
trans-1,2-Dichloroethene	3.85		0.0572	0.200	1	02/07/2021 20:35	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 20:35	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 20:35	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 20:35	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 20:35	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 20:35	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 20:35	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 20:35	WG1617708
Ethylbenzene	U		0.0212	0.100	1	02/07/2021 20:35	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 20:35	WG1617708
Isopropylbenzene	0.0380	J	0.0345	0.100	1	02/07/2021 20:35	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 20:35	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 20:35	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 20:35	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 20:35	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 20:35	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 20:35	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 20:35	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 20:35	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 20:35	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 20:35	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 20:35	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 20:35	WG1617708
Toluene	0.191	J	0.0500	0.200	1	02/07/2021 20:35	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 20:35	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 20:35	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 20:35	WG1617708

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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	02/07/2021 20:35	WG1617708
Trichloroethene	0.0520		0.0160	0.0400	1	02/07/2021 20:35	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 20:35	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 20:35	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 20:35	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 20:35	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 20:35	WG1617708
Vinyl chloride	33.6		0.0273	0.100	1	02/07/2021 20:35	WG1617708
Xylenes, Total	U		0.191	0.260	1	02/07/2021 20:35	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 20:35	WG1617708
Tetrahydrofuran	13.5		0.0900	0.500	1	02/07/2021 20:35	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 20:35	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 20:35	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 20:35	WG1617708
(S) Toluene-d8	104			75.0-131		02/07/2021 20:35	WG1617708
(S) Toluene-d8	100			75.0-131		02/09/2021 22:05	WG1618791
(S) 4-Bromofluorobenzene	100			67.0-138		02/07/2021 20:35	WG1617708
(S) 4-Bromofluorobenzene	96.9			67.0-138		02/09/2021 22:05	WG1618791
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		02/07/2021 20:35	WG1617708
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/09/2021 22:05	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

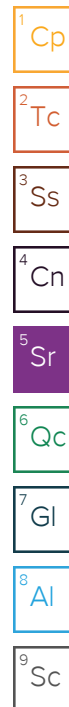
9 Sc

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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	U		0.548	1.00	1	02/07/2021 20:54	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 22:24	WG1618791
Benzene	0.0200	U	0.0160	0.0400	1	02/07/2021 20:54	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 20:54	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 20:54	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 20:54	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 20:54	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 20:54	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 20:54	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 20:54	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 20:54	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 20:54	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 20:54	WG1617708
Chloroethane	U		0.0432	0.200	1	02/07/2021 20:54	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 20:54	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 22:24	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 20:54	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 20:54	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	02/07/2021 20:54	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 20:54	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 20:54	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 20:54	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 20:54	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 20:54	WG1617708
Dichlorodifluoromethane	U	UJ	0.0327	0.100	1	02/07/2021 20:54	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 20:54	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 20:54	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 20:54	WG1617708
cis-1,2-Dichloroethene	0.490		0.0276	0.100	1	02/07/2021 20:54	WG1617708
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/07/2021 20:54	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 20:54	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 20:54	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 20:54	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 20:54	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 20:54	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 20:54	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 20:54	WG1617708
Ethylbenzene	0.0480		0.0212	0.100	1	02/07/2021 20:54	WG1617708
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	02/07/2021 20:54	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 20:54	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 20:54	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 20:54	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 20:54	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 20:54	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 20:54	WG1617708
Naphthalene	U	UJ	0.124	0.500	1	02/07/2021 20:54	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 20:54	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 20:54	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 20:54	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 20:54	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 20:54	WG1617708
Tetrachloroethene	U		0.0280	0.100	1	02/07/2021 20:54	WG1617708
Toluene	0.296		0.0500	0.200	1	02/07/2021 20:54	WG1617708
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	02/07/2021 20:54	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 20:54	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 20:54	WG1617708



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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	02/07/2021 20:54	WG1617708
Trichloroethene	U		0.0160	0.0400	1	02/07/2021 20:54	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 20:54	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 20:54	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 20:54	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 20:54	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 20:54	WG1617708
Vinyl chloride	0.324		0.0273	0.100	1	02/07/2021 20:54	WG1617708
Xylenes, Total	0.276		0.191	0.260	1	02/07/2021 20:54	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 20:54	WG1617708
Tetrahydrofuran	0.616		0.0900	0.500	1	02/07/2021 20:54	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 20:54	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 20:54	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 20:54	WG1617708
(S) Toluene-d8	105			75.0-131		02/07/2021 20:54	WG1617708
(S) Toluene-d8	101			75.0-131		02/09/2021 22:24	WG1618791
(S) 4-Bromofluorobenzene	99.3			67.0-138		02/07/2021 20:54	WG1617708
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/09/2021 22:24	WG1618791
(S) 1,2-Dichloroethane-d4	86.7			70.0-130		02/07/2021 20:54	WG1617708
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/09/2021 22:24	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



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	U		0.548	1.00	1	02/07/2021 21:13	WG1617708
Acrylonitrile	U		0.0760	0.500	1	02/09/2021 23:05	WG1618791
Benzene	U		0.0160	0.0400	1	02/07/2021 21:13	WG1617708
Bromobenzene	U		0.0420	0.500	1	02/07/2021 21:13	WG1617708
Bromodichloromethane	U		0.0315	0.100	1	02/07/2021 21:13	WG1617708
Bromoform	U		0.239	1.00	1	02/07/2021 21:13	WG1617708
Bromomethane	U		0.148	0.500	1	02/07/2021 21:13	WG1617708
n-Butylbenzene	U		0.153	0.500	1	02/07/2021 21:13	WG1617708
sec-Butylbenzene	U		0.101	0.500	1	02/07/2021 21:13	WG1617708
tert-Butylbenzene	U		0.0620	0.200	1	02/07/2021 21:13	WG1617708
Carbon tetrachloride	U		0.0432	0.200	1	02/07/2021 21:13	WG1617708
Chlorobenzene	U		0.0229	0.100	1	02/07/2021 21:13	WG1617708
Chlorodibromomethane	U		0.0180	0.100	1	02/07/2021 21:13	WG1617708
Chloroethane	0.102	J	0.0432	0.200	1	02/07/2021 21:13	WG1617708
Chloroform	U		0.0166	0.100	1	02/07/2021 21:13	WG1617708
Chloromethane	U		0.0556	0.500	1	02/09/2021 23:05	WG1618791
2-Chlorotoluene	U		0.0368	0.100	1	02/07/2021 21:13	WG1617708
4-Chlorotoluene	U		0.0452	0.200	1	02/07/2021 21:13	WG1617708
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	02/07/2021 21:13	WG1617708
1,2-Dibromoethane	U		0.0210	0.100	1	02/07/2021 21:13	WG1617708
Dibromomethane	U		0.0400	0.200	1	02/07/2021 21:13	WG1617708
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/07/2021 21:13	WG1617708
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/07/2021 21:13	WG1617708
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/07/2021 21:13	WG1617708
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	02/07/2021 21:13	WG1617708
1,1-Dichloroethane	U		0.0230	0.100	1	02/07/2021 21:13	WG1617708
1,2-Dichloroethane	U		0.0190	0.100	1	02/07/2021 21:13	WG1617708
1,1-Dichloroethene	U		0.0200	0.100	1	02/07/2021 21:13	WG1617708
cis-1,2-Dichloroethene	0.247		0.0276	0.100	1	02/07/2021 21:13	WG1617708
trans-1,2-Dichloroethene	1.17		0.0572	0.200	1	02/07/2021 21:13	WG1617708
1,2-Dichloropropane	U		0.0508	0.200	1	02/07/2021 21:13	WG1617708
1,1-Dichloropropene	U		0.0280	0.100	1	02/07/2021 21:13	WG1617708
1,3-Dichloropropane	U		0.0700	0.200	1	02/07/2021 21:13	WG1617708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/07/2021 21:13	WG1617708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/07/2021 21:13	WG1617708
2,2-Dichloropropane	U		0.0317	0.100	1	02/07/2021 21:13	WG1617708
Di-isopropyl ether	U		0.0140	0.0400	1	02/07/2021 21:13	WG1617708
Ethylbenzene	U		0.0212	0.100	1	02/07/2021 21:13	WG1617708
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	02/07/2021 21:13	WG1617708
Isopropylbenzene	U		0.0345	0.100	1	02/07/2021 21:13	WG1617708
p-Isopropyltoluene	U		0.0932	0.200	1	02/07/2021 21:13	WG1617708
2-Butanone (MEK)	U		0.500	1.00	1	02/07/2021 21:13	WG1617708
Methylene Chloride	U		0.265	1.00	1	02/07/2021 21:13	WG1617708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/07/2021 21:13	WG1617708
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/07/2021 21:13	WG1617708
Naphthalene	U	UJ C3	0.124	0.500	1	02/07/2021 21:13	WG1617708
n-Propylbenzene	U		0.0472	0.200	1	02/07/2021 21:13	WG1617708
Styrene	U		0.109	0.500	1	02/07/2021 21:13	WG1617708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/07/2021 21:13	WG1617708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/07/2021 21:13	WG1617708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/07/2021 21:13	WG1617708
Tetrachloroethene	0.0400	J	0.0280	0.100	1	02/07/2021 21:13	WG1617708
Toluene	0.121	J	0.0500	0.200	1	02/07/2021 21:13	WG1617708
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	02/07/2021 21:13	WG1617708
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/07/2021 21:13	WG1617708
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/07/2021 21:13	WG1617708

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



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	02/07/2021 21:13	WG1617708
Trichloroethene	0.0980		0.0160	0.0400	1	02/07/2021 21:13	WG1617708
Trichlorofluoromethane	U		0.0200	0.100	1	02/07/2021 21:13	WG1617708
1,2,3-Trichloropropane	U		0.204	0.500	1	02/07/2021 21:13	WG1617708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/07/2021 21:13	WG1617708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/07/2021 21:13	WG1617708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/07/2021 21:13	WG1617708
Vinyl chloride	2.38		0.0273	0.100	1	02/07/2021 21:13	WG1617708
Xylenes, Total	U		0.191	0.260	1	02/07/2021 21:13	WG1617708
Ethyl Ether	U		0.0170	0.100	1	02/07/2021 21:13	WG1617708
Tetrahydrofuran	U		0.0900	0.500	1	02/07/2021 21:13	WG1617708
Iodomethane	U		0.242	0.500	1	02/07/2021 21:13	WG1617708
Allyl chloride	U		0.580	1.00	1	02/07/2021 21:13	WG1617708
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/07/2021 21:13	WG1617708
(S) Toluene-d8	104			75.0-131		02/07/2021 21:13	WG1617708
(S) Toluene-d8	102			75.0-131		02/09/2021 23:05	WG1618791
(S) 4-Bromofluorobenzene	100			67.0-138		02/07/2021 21:13	WG1617708
(S) 4-Bromofluorobenzene	94.6			67.0-138		02/09/2021 23:05	WG1618791
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		02/07/2021 21:13	WG1617708
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2021 23:05	WG1618791

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

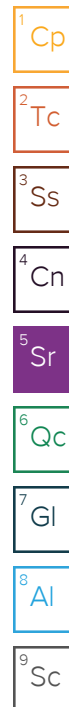
9 Sc

JC 2/26/2021



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	U		0.548	1.00	1	02/08/2021 12:15	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 12:15	WG1618057
Benzene	0.0400	U J	0.0160	0.0400	1	02/08/2021 12:15	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 12:15	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 12:15	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 12:15	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 12:15	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 12:15	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 12:15	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 12:15	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 12:15	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 12:15	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 12:15	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 12:15	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 12:15	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 12:15	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 12:15	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 12:15	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 12:15	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 12:15	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 12:15	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 12:15	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 12:15	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 12:15	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 12:15	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 12:15	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 12:15	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 12:15	WG1618057
cis-1,2-Dichloroethene	0.698		0.0276	0.100	1	02/08/2021 12:15	WG1618057
trans-1,2-Dichloroethene	5.29	J+ C5 J4	0.0572	0.200	1	02/08/2021 12:15	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 12:15	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 12:15	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 12:15	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 12:15	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 12:15	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 12:15	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 12:15	WG1618057
Ethylbenzene	0.0450	J	0.0212	0.100	1	02/08/2021 12:15	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 12:15	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 12:15	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 12:15	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 12:15	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 12:15	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 12:15	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 12:15	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 12:15	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 12:15	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 12:15	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 12:15	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 12:15	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 12:15	WG1618057
Tetrachloroethene	U		0.0280	0.100	1	02/08/2021 12:15	WG1618057
Toluene	0.221		0.0500	0.200	1	02/08/2021 12:15	WG1618057
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/08/2021 12:15	WG1618057
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	02/08/2021 12:15	WG1618057
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/08/2021 12:15	WG1618057



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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	02/08/2021 12:15	WG1618057
Trichloroethene	0.0480		0.0160	0.0400	1	02/08/2021 12:15	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 12:15	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 12:15	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 12:15	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/08/2021 12:15	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 12:15	WG1618057
Vinyl chloride	2.55	J C5	0.0273	0.100	1	02/08/2021 12:15	WG1618057
Xylenes, Total	0.248	J	0.191	0.260	1	02/08/2021 12:15	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 12:15	WG1618057
Tetrahydrofuran	0.208	U C3 J	0.0900	0.500	1	02/08/2021 12:15	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 12:15	WG1618057
Allyl chloride	U	~~J4~~	0.580	1.00	1	02/08/2021 12:15	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 12:15	WG1618057
(S) Toluene-d8	94.2			75.0-131		02/08/2021 12:15	WG1618057
(S) 4-Bromofluorobenzene	101			67.0-138		02/08/2021 12:15	WG1618057
(S) 1,2-Dichloroethane-d4	99.5			70.0-130		02/08/2021 12:15	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

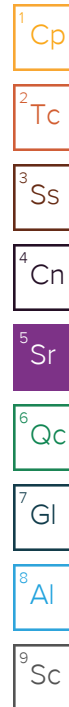
9 Sc

JC 2/26/2021



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	1.09	U	0.548	1.00	1	02/08/2021 12:34	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 12:34	WG1618057
Benzene	0.0340	U	0.0160	0.0400	1	02/08/2021 12:34	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 12:34	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 12:34	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 12:34	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 12:34	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 12:34	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 12:34	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 12:34	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 12:34	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 12:34	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 12:34	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 12:34	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 12:34	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 12:34	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 12:34	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 12:34	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 12:34	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 12:34	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 12:34	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 12:34	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 12:34	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 12:34	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 12:34	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 12:34	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 12:34	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 12:34	WG1618057
cis-1,2-Dichloroethene	0.470		0.0276	0.100	1	02/08/2021 12:34	WG1618057
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/08/2021 12:34	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 12:34	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 12:34	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 12:34	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 12:34	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 12:34	WG1618057
2,2-Dichloropropane	0.0560		0.0317	0.100	1	02/08/2021 12:34	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 12:34	WG1618057
Ethylbenzene	0.0590		0.0212	0.100	1	02/08/2021 12:34	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 12:34	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 12:34	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 12:34	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 12:34	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 12:34	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 12:34	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 12:34	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 12:34	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 12:34	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 12:34	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 12:34	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 12:34	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 12:34	WG1618057
Tetrachloroethene	0.0600		0.0280	0.100	1	02/08/2021 12:34	WG1618057
Toluene	0.349		0.0500	0.200	1	02/08/2021 12:34	WG1618057
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	02/08/2021 12:34	WG1618057
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	02/08/2021 12:34	WG1618057
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/08/2021 12:34	WG1618057

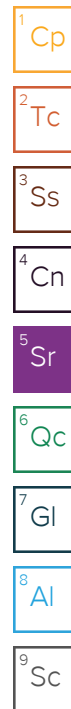


JC 2/26/2021



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	02/08/2021 12:34	WG1618057
Trichloroethene	0.0480		0.0160	0.0400	1	02/08/2021 12:34	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 12:34	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 12:34	WG1618057
1,2,4-Trimethylbenzene	0.0650	J	0.0464	0.200	1	02/08/2021 12:34	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/08/2021 12:34	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 12:34	WG1618057
Vinyl chloride	2.22	J+ C5	0.0273	0.100	1	02/08/2021 12:34	WG1618057
Xylenes, Total	0.345		0.191	0.260	1	02/08/2021 12:34	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 12:34	WG1618057
Tetrahydrofuran	0.335	U ~~C3 J~~	0.0900	0.500	1	02/08/2021 12:34	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 12:34	WG1618057
Allyl chloride	U	~~J4~~	0.580	1.00	1	02/08/2021 12:34	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 12:34	WG1618057
(S) Toluene-d8	94.2			75.0-131		02/08/2021 12:34	WG1618057
(S) 4-Bromofluorobenzene	103			67.0-138		02/08/2021 12:34	WG1618057
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/08/2021 12:34	WG1618057

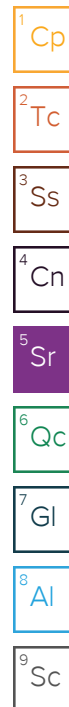


JC 2/26/2021



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	U		0.548	1.00	1	02/08/2021 12:53	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 12:53	WG1618057
Benzene	0.0280	U ~~J~~	0.0160	0.0400	1	02/08/2021 12:53	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 12:53	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 12:53	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 12:53	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 12:53	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 12:53	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 12:53	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 12:53	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 12:53	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 12:53	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 12:53	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 12:53	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 12:53	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 12:53	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 12:53	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 12:53	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 12:53	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 12:53	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 12:53	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 12:53	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 12:53	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 12:53	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 12:53	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 12:53	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 12:53	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 12:53	WG1618057
cis-1,2-Dichloroethene	1.28		0.0276	0.100	1	02/08/2021 12:53	WG1618057
trans-1,2-Dichloroethene	3.64	J+ <u>C5 J4</u>	0.0572	0.200	1	02/08/2021 12:53	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 12:53	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 12:53	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 12:53	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 12:53	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 12:53	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 12:53	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 12:53	WG1618057
Ethylbenzene	U		0.0212	0.100	1	02/08/2021 12:53	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 12:53	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 12:53	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 12:53	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 12:53	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 12:53	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 12:53	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 12:53	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 12:53	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 12:53	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 12:53	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 12:53	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 12:53	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 12:53	WG1618057
Tetrachloroethene	U		0.0280	0.100	1	02/08/2021 12:53	WG1618057
Toluene	0.146	J	0.0500	0.200	1	02/08/2021 12:53	WG1618057
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	02/08/2021 12:53	WG1618057
1,2,4-Trichlorobenzene	U	<u>C4</u>	0.193	0.500	1	02/08/2021 12:53	WG1618057
1,1,1-Trichloroethane	U	~~J4~~	0.0110	0.100	1	02/08/2021 12:53	WG1618057



JC 2/26/2021



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	02/08/2021 12:53	WG1618057
Trichloroethene	0.0360	~~J~~	0.0160	0.0400	1	02/08/2021 12:53	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 12:53	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 12:53	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 12:53	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/08/2021 12:53	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 12:53	WG1618057
Vinyl chloride	1.51	J+ C5	0.0273	0.100	1	02/08/2021 12:53	WG1618057
Xylenes, Total	U		0.191	0.260	1	02/08/2021 12:53	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 12:53	WG1618057
Tetrahydrofuran	0.191	U ~~C3J~~	0.0900	0.500	1	02/08/2021 12:53	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 12:53	WG1618057
Allyl chloride	U	~~J4~~	0.580	1.00	1	02/08/2021 12:53	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 12:53	WG1618057
(S) Toluene-d8	93.0			75.0-131		02/08/2021 12:53	WG1618057
(S) 4-Bromofluorobenzene	107			67.0-138		02/08/2021 12:53	WG1618057
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/08/2021 12:53	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

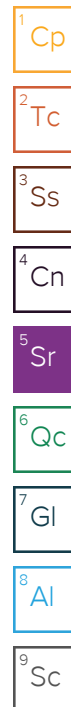
9 Sc

JC 2/26/2021



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	U		274	500	500	02/08/2021 15:25	WG1618057
Acrylonitrile	U		38.0	250	500	02/08/2021 15:25	WG1618057
Benzene	U		8.00	20.0	500	02/08/2021 15:25	WG1618057
Bromobenzene	U		21.0	250	500	02/08/2021 15:25	WG1618057
Bromodichloromethane	U		15.8	50.0	500	02/08/2021 15:25	WG1618057
Bromoform	U		120	500	500	02/08/2021 15:25	WG1618057
Bromomethane	U		74.0	250	500	02/08/2021 15:25	WG1618057
n-Butylbenzene	U		76.5	250	500	02/08/2021 15:25	WG1618057
sec-Butylbenzene	U		50.5	250	500	02/08/2021 15:25	WG1618057
tert-Butylbenzene	U		31.0	100	500	02/08/2021 15:25	WG1618057
Carbon tetrachloride	U		21.6	100	500	02/08/2021 15:25	WG1618057
Chlorobenzene	U		11.5	50.0	500	02/08/2021 15:25	WG1618057
Chlorodibromomethane	U		9.00	50.0	500	02/08/2021 15:25	WG1618057
Chloroethane	U		21.6	100	500	02/08/2021 15:25	WG1618057
Chloroform	U		8.30	50.0	500	02/08/2021 15:25	WG1618057
Chloromethane	U		27.8	250	500	02/08/2021 15:25	WG1618057
2-Chlorotoluene	U		18.4	50.0	500	02/08/2021 15:25	WG1618057
4-Chlorotoluene	U		22.6	100	500	02/08/2021 15:25	WG1618057
1,2-Dibromo-3-Chloropropane	U		102	500	500	02/08/2021 15:25	WG1618057
1,2-Dibromoethane	U		10.5	50.0	500	02/08/2021 15:25	WG1618057
Dibromomethane	U		20.0	100	500	02/08/2021 15:25	WG1618057
1,2-Dichlorobenzene	U		29.0	100	500	02/08/2021 15:25	WG1618057
1,3-Dichlorobenzene	U		34.0	100	500	02/08/2021 15:25	WG1618057
1,4-Dichlorobenzene	U		39.4	100	500	02/08/2021 15:25	WG1618057
Dichlorodifluoromethane	U		16.4	50.0	500	02/08/2021 15:25	WG1618057
1,1-Dichloroethane	U		11.5	50.0	500	02/08/2021 15:25	WG1618057
1,2-Dichloroethane	U		9.50	50.0	500	02/08/2021 15:25	WG1618057
1,1-Dichloroethene	19.0	J	10.0	50.0	500	02/08/2021 15:25	WG1618057
cis-1,2-Dichloroethene	9810		13.8	50.0	500	02/08/2021 15:25	WG1618057
trans-1,2-Dichloroethene	63.0	J+ J J4	28.6	100	500	02/08/2021 15:25	WG1618057
1,2-Dichloropropane	U		25.4	100	500	02/08/2021 15:25	WG1618057
1,1-Dichloropropene	U		14.0	50.0	500	02/08/2021 15:25	WG1618057
1,3-Dichloropropane	U		35.0	100	500	02/08/2021 15:25	WG1618057
cis-1,3-Dichloropropene	U		13.6	50.0	500	02/08/2021 15:25	WG1618057
trans-1,3-Dichloropropene	U		30.6	100	500	02/08/2021 15:25	WG1618057
2,2-Dichloropropane	U		15.9	50.0	500	02/08/2021 15:25	WG1618057
Di-isopropyl ether	U		7.00	20.0	500	02/08/2021 15:25	WG1618057
Ethylbenzene	U		10.6	50.0	500	02/08/2021 15:25	WG1618057
Hexachloro-1,3-butadiene	U		254	500	500	02/08/2021 15:25	WG1618057
Isopropylbenzene	U		17.2	50.0	500	02/08/2021 15:25	WG1618057
p-Isopropyltoluene	U		46.6	100	500	02/08/2021 15:25	WG1618057
2-Butanone (MEK)	U		250	500	500	02/08/2021 15:25	WG1618057
Methylene Chloride	U		133	500	500	02/08/2021 15:25	WG1618057
4-Methyl-2-pentanone (MIBK)	U		200	500	500	02/08/2021 15:25	WG1618057
Methyl tert-butyl ether	U		5.90	20.0	500	02/08/2021 15:25	WG1618057
Naphthalene	U		62.0	250	500	02/08/2021 15:25	WG1618057
n-Propylbenzene	U		23.6	100	500	02/08/2021 15:25	WG1618057
Styrene	U		54.5	250	500	02/08/2021 15:25	WG1618057
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	02/08/2021 15:25	WG1618057
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	02/08/2021 15:25	WG1618057
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	02/08/2021 15:25	WG1618057
Tetrachloroethene	U		14.0	50.0	500	02/08/2021 15:25	WG1618057
Toluene	U		25.0	100	500	02/08/2021 15:25	WG1618057
1,2,3-Trichlorobenzene	U	C4	12.5	250	500	02/08/2021 15:25	WG1618057
1,2,4-Trichlorobenzene	U	C4	96.5	250	500	02/08/2021 15:25	WG1618057
1,1,1-Trichloroethane	U	J4	5.50	50.0	500	02/08/2021 15:25	WG1618057



JC 2/26/2021



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		17.7	50.0	500	02/08/2021 15:25	WG1618057
Trichloroethene	U		8.00	20.0	500	02/08/2021 15:25	WG1618057
Trichlorofluoromethane	U		10.0	50.0	500	02/08/2021 15:25	WG1618057
1,2,3-Trichloropropane	U		102	250	500	02/08/2021 15:25	WG1618057
1,2,4-Trimethylbenzene	U		23.2	100	500	02/08/2021 15:25	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	23.0	100	500	02/08/2021 15:25	WG1618057
1,3,5-Trimethylbenzene	U		21.6	100	500	02/08/2021 15:25	WG1618057
Vinyl chloride	3760	J+ C5	13.6	50.0	500	02/08/2021 15:25	WG1618057
Xylenes, Total	U		95.5	130	500	02/08/2021 15:25	WG1618057
Ethyl Ether	U		8.50	50.0	500	02/08/2021 15:25	WG1618057
Tetrahydrofuran	U	UJ C3	45.0	250	500	02/08/2021 15:25	WG1618057
Iodomethane	U		121	250	500	02/08/2021 15:25	WG1618057
Allyl chloride	U	~~J4~~	290	500	500	02/08/2021 15:25	WG1618057
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	02/08/2021 15:25	WG1618057
(S) Toluene-d8	90.8			75.0-131		02/08/2021 15:25	WG1618057
(S) 4-Bromofluorobenzene	106			67.0-138		02/08/2021 15:25	WG1618057
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/08/2021 15:25	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	327000		2970	25000	5	02/07/2021 10:05	WG1617451

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 date / time	Batch
TOC (Total Organic Carbon)	11600		102	1000	1	02/08/2021 20:55	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2700		28.1	100	1	02/12/2021 15:37	WG1618525
Manganese	177		0.704	5.00	1	02/12/2021 15:37	WG1618525

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	41.1	U	31.6	100	1	02/09/2021 06:20	WG1618382
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/09/2021 06:20	WG1618382

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	121		2.91	10.0	1	02/11/2021 14:48	WG1619813
Ethane	18.5		4.07	13.0	1	02/11/2021 14:48	WG1619813
Ethene	41.6		4.26	13.0	1	02/11/2021 14:48	WG1619813

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.27	U	0.548	1.00	1	02/08/2021 13:12	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 13:12	WG1618057
Benzene	0.0850		0.0160	0.0400	1	02/08/2021 13:12	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 13:12	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 13:12	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 13:12	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 13:12	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 13:12	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 13:12	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 13:12	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 13:12	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 13:12	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 13:12	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 13:12	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 13:12	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 13:12	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 13:12	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 13:12	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 13:12	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 13:12	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 13:12	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 13:12	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 13:12	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 09:20

L1314614

Volatile 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	02/08/2021 13:12	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 13:12	WG1618057
1,1-Dichloroethane	0.0430	J	0.0230	0.100	1	02/08/2021 13:12	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 13:12	WG1618057
1,1-Dichloroethene	0.0270	J	0.0200	0.100	1	02/08/2021 13:12	WG1618057
cis-1,2-Dichloroethene	3.85		0.0276	0.100	1	02/08/2021 13:12	WG1618057
trans-1,2-Dichloroethene	U	J4	0.0572	0.200	1	02/08/2021 13:12	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 13:12	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 13:12	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 13:12	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 13:12	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 13:12	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 13:12	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 13:12	WG1618057
Ethylbenzene	0.0410	J	0.0212	0.100	1	02/08/2021 13:12	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 13:12	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 13:12	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 13:12	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 13:12	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 13:12	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 13:12	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 13:12	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 13:12	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 13:12	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 13:12	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 13:12	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 13:12	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 13:12	WG1618057
Tetrachloroethene	0.0460	J	0.0280	0.100	1	02/08/2021 13:12	WG1618057
Toluene	0.240		0.0500	0.200	1	02/08/2021 13:12	WG1618057
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/08/2021 13:12	WG1618057
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	02/08/2021 13:12	WG1618057
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/08/2021 13:12	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 13:12	WG1618057
Trichloroethene	0.0530		0.0160	0.0400	1	02/08/2021 13:12	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 13:12	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 13:12	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 13:12	WG1618057
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/08/2021 13:12	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 13:12	WG1618057
Vinyl chloride	5.64	J+ C5	0.0273	0.100	1	02/08/2021 13:12	WG1618057
Xylenes, Total	0.247	J	0.191	0.260	1	02/08/2021 13:12	WG1618057
Ethyl Ether	0.189		0.0170	0.100	1	02/08/2021 13:12	WG1618057
Tetrahydrofuran	0.258	U C3J	0.0900	0.500	1	02/08/2021 13:12	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 13:12	WG1618057
Allyl chloride	U	J4	0.580	1.00	1	02/08/2021 13:12	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 13:12	WG1618057
(S) Toluene-d8	95.7			75.0-131		02/08/2021 13:12	WG1618057
(S) 4-Bromofluorobenzene	103			67.0-138		02/08/2021 13:12	WG1618057
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/08/2021 13:12	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	3120	J	594	5000	1	02/07/2021 10:23	WG1617451

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 date / time	Batch
TOC (Total Organic Carbon)	1680	B	102	1000	1	02/08/2021 21:20	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2370		28.1	100	1	02/12/2021 15:41	WG1618525
Manganese	404		0.704	5.00	1	02/12/2021 15:41	WG1618525

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	305		2.91	10.0	1	02/11/2021 14:57	WG1619813
Ethane	U		4.07	13.0	1	02/11/2021 14:57	WG1619813
Ethene	U		4.26	13.0	1	02/11/2021 14:57	WG1619813

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.52	U	0.548	1.00	1	02/08/2021 13:31	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 13:31	WG1618057
Benzene	0.0310	U	0.0160	0.0400	1	02/08/2021 13:31	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 13:31	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 13:31	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 13:31	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 13:31	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 13:31	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 13:31	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 13:31	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 13:31	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 13:31	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 13:31	WG1618057
Chloroethane	1.16	J+ C5	0.0432	0.200	1	02/08/2021 13:31	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 13:31	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 13:31	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 13:31	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 13:31	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 13:31	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 13:31	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 13:31	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 13:31	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 13:31	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 13:31	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 13:31	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 13:31	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 13:31	WG1618057
1,1-Dichloroethene	0.302	J+ C5	0.0200	0.100	1	02/08/2021 13:31	WG1618057
cis-1,2-Dichloroethene	26.4		0.0276	0.100	1	02/08/2021 13:31	WG1618057
trans-1,2-Dichloroethene	0.192	J+ J J4	0.0572	0.200	1	02/08/2021 13:31	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 13:31	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 10:05

L1314614

Volatile Organic 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	02/08/2021 13:31	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 13:31	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 13:31	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 13:31	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 13:31	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 13:31	WG1618057
Ethylbenzene	0.177		0.0212	0.100	1	02/08/2021 13:31	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 13:31	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 13:31	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 13:31	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 13:31	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 13:31	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 13:31	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 13:31	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 13:31	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 13:31	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 13:31	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 13:31	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 13:31	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 13:31	WG1618057
Tetrachloroethene	0.0550	J	0.0280	0.100	1	02/08/2021 13:31	WG1618057
Toluene	0.526		0.0500	0.200	1	02/08/2021 13:31	WG1618057
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/08/2021 13:31	WG1618057
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	02/08/2021 13:31	WG1618057
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/08/2021 13:31	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 13:31	WG1618057
Trichloroethene	1.65		0.0160	0.0400	1	02/08/2021 13:31	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 13:31	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 13:31	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 13:31	WG1618057
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/08/2021 13:31	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 13:31	WG1618057
Vinyl chloride	17.1	J+ C5	0.0273	0.100	1	02/08/2021 13:31	WG1618057
Xylenes, Total	1.17		0.191	0.260	1	02/08/2021 13:31	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 13:31	WG1618057
Tetrahydrofuran	0.229	U C3 J	0.0900	0.500	1	02/08/2021 13:31	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 13:31	WG1618057
Allyl chloride	U	J4	0.580	1.00	1	02/08/2021 13:31	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 13:31	WG1618057
(S) Toluene-d8	93.3			75.0-131		02/08/2021 13:31	WG1618057
(S) 4-Bromofluorobenzene	105			67.0-138		02/08/2021 13:31	WG1618057
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/08/2021 13:31	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	26700		594	5000	1	02/07/2021 10:41	WG1617451

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 date / time	Batch
TOC (Total Organic Carbon)	1950	<u>B</u>	102	1000	1	02/08/2021 22:26	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1230		28.1	100	1	02/12/2021 15:44	WG1618525
Manganese	310		0.704	5.00	1	02/12/2021 15:44	WG1618525

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1380		2.91	10.0	1	02/11/2021 15:00	WG1619813
Ethane	U		4.07	13.0	1	02/11/2021 15:00	WG1619813
Ethene	U		4.26	13.0	1	02/11/2021 15:00	WG1619813

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	02/08/2021 13:50	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 13:50	WG1618057
Benzene	0.159		0.0160	0.0400	1	02/08/2021 13:50	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 13:50	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 13:50	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 13:50	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 13:50	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 13:50	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 13:50	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 13:50	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 13:50	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 13:50	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 13:50	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 13:50	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 13:50	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 13:50	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 13:50	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 13:50	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 13:50	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 13:50	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 13:50	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 13:50	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 13:50	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 13:50	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 13:50	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 13:50	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 13:50	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 13:50	WG1618057
cis-1,2-Dichloroethene	0.0680	<u>J</u>	0.0276	0.100	1	02/08/2021 13:50	WG1618057
trans-1,2-Dichloroethene	U	<u>J4</u>	0.0572	0.200	1	02/08/2021 13:50	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 13:50	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 11:20

L1314614

Volatile Organic 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	02/08/2021 13:50	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 13:50	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 13:50	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 13:50	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 13:50	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 13:50	WG1618057
Ethylbenzene	0.300		0.0212	0.100	1	02/08/2021 13:50	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 13:50	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 13:50	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 13:50	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 13:50	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 13:50	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 13:50	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 13:50	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 13:50	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 13:50	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 13:50	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 13:50	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 13:50	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 13:50	WG1618057
Tetrachloroethene	U		0.0280	0.100	1	02/08/2021 13:50	WG1618057
Toluene	2.79		0.0500	0.200	1	02/08/2021 13:50	WG1618057
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	02/08/2021 13:50	WG1618057
1,2,4-Trichlorobenzene	U	<u>C4</u>	0.193	0.500	1	02/08/2021 13:50	WG1618057
1,1,1-Trichloroethane	U	~~34~~	0.0110	0.100	1	02/08/2021 13:50	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 13:50	WG1618057
Trichloroethene	U		0.0160	0.0400	1	02/08/2021 13:50	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 13:50	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 13:50	WG1618057
1,2,4-Trimethylbenzene	0.128	<u>J</u>	0.0464	0.200	1	02/08/2021 13:50	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/08/2021 13:50	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 13:50	WG1618057
Vinyl chloride	U		0.0273	0.100	1	02/08/2021 13:50	WG1618057
Xylenes, Total	1.65		0.191	0.260	1	02/08/2021 13:50	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 13:50	WG1618057
Tetrahydrofuran	U	<u>UJ</u> <u>C3</u>	0.0900	0.500	1	02/08/2021 13:50	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 13:50	WG1618057
Allyl chloride	U	<u>4</u>	0.580	1.00	1	02/08/2021 13:50	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 13:50	WG1618057
(S) Toluene-d8	93.7			75.0-131		02/08/2021 13:50	WG1618057
(S) 4-Bromofluorobenzene	105			67.0-138		02/08/2021 13:50	WG1618057
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/08/2021 13:50	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	6910		594	5000	1	02/07/2021 10:59	WG1617451

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 date / time	Batch
TOC (Total Organic Carbon)	2350	~~B~~	102	1000	1	02/08/2021 22:39	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	508		28.1	100	1	02/12/2021 15:47	WG1618525
Manganese	704		0.704	5.00	1	02/12/2021 15:47	WG1618525

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	149		2.91	10.0	1	02/11/2021 15:06	WG1619813
Ethane	U		4.07	13.0	1	02/11/2021 15:06	WG1619813
Ethene	U		4.26	13.0	1	02/11/2021 15:06	WG1619813

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	02/08/2021 14:09	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 14:09	WG1618057
Benzene	U		0.0160	0.0400	1	02/08/2021 14:09	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 14:09	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 14:09	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 14:09	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 14:09	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 14:09	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 14:09	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 14:09	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 14:09	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 14:09	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 14:09	WG1618057
Chloroethane	1.37	J+ C5	0.0432	0.200	1	02/08/2021 14:09	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 14:09	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 14:09	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 14:09	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 14:09	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 14:09	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 14:09	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 14:09	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 14:09	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 14:09	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 14:09	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 14:09	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 14:09	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 14:09	WG1618057
1,1-Dichloroethene	5.03	J+ C5	0.0200	0.100	1	02/08/2021 14:09	WG1618057
cis-1,2-Dichloroethene	85.8		0.138	0.500	5	02/15/2021 11:29	WG1620866
trans-1,2-Dichloroethene	2.32	J+ C5 J4	0.0572	0.200	1	02/08/2021 14:09	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 14:09	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 12:50

L1314614

Volatile Organic 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	02/08/2021 14:09	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 14:09	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 14:09	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 14:09	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 14:09	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 14:09	WG1618057
Ethylbenzene	U		0.0212	0.100	1	02/08/2021 14:09	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 14:09	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 14:09	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 14:09	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 14:09	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 14:09	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 14:09	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 14:09	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 14:09	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 14:09	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 14:09	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 14:09	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 14:09	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 14:09	WG1618057
Tetrachloroethene	24.4		0.0280	0.100	1	02/08/2021 14:09	WG1618057
Toluene	0.0590	J	0.0500	0.200	1	02/08/2021 14:09	WG1618057
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/08/2021 14:09	WG1618057
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	02/08/2021 14:09	WG1618057
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/08/2021 14:09	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 14:09	WG1618057
Trichloroethene	55.8		0.0160	0.0400	1	02/08/2021 14:09	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 14:09	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 14:09	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 14:09	WG1618057
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/08/2021 14:09	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 14:09	WG1618057
Vinyl chloride	9.28	J+ C5	0.0273	0.100	1	02/08/2021 14:09	WG1618057
Xylenes, Total	U		0.191	0.260	1	02/08/2021 14:09	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 14:09	WG1618057
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/08/2021 14:09	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 14:09	WG1618057
Allyl chloride	U	J4	0.580	1.00	1	02/08/2021 14:09	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 14:09	WG1618057
(S) Toluene-d8	92.1			75.0-131		02/08/2021 14:09	WG1618057
(S) Toluene-d8	105			75.0-131		02/15/2021 11:29	WG1620866
(S) 4-Bromofluorobenzene	105			67.0-138		02/08/2021 14:09	WG1618057
(S) 4-Bromofluorobenzene	102			67.0-138		02/15/2021 11:29	WG1620866
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/08/2021 14:09	WG1618057
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/15/2021 11:29	WG1620866

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	149000		8450	20000	1	02/10/2021 11:20	WG1619132

Sample Narrative:

L1314614-13 WG1619132: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	23000		379	1000	1	02/07/2021 09:47	WG1617451
Nitrate	2730	J ~~TE~~	48.0	100	1	02/07/2021 09:47	WG1617451
Sulfate	25200		594	5000	1	02/07/2021 09:47	WG1617451

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2540	~~B~~	102	1000	1	02/09/2021 10:57	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	796		28.1	100	1	02/12/2021 15:50	WG1618525
Manganese	35.9		0.704	5.00	1	02/12/2021 15:50	WG1618525

Volatile Organic Compounds (GC) by Method NWTPHGX

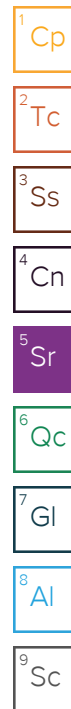
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	43.3	U ~~B~~	31.6	100	1	02/09/2021 06:47	WG1618382
(S) <i>o,a,a</i> -Trifluorotoluene(FID)	108			78.0-120		02/09/2021 06:47	WG1618382

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	02/11/2021 15:09	WG1619813
Ethane	U		0.296	1.29	1	02/11/2021 15:09	WG1619813
Ethene	U		0.422	1.27	1	02/11/2021 15:09	WG1619813

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	1.46	U	0.548	1.00	1	02/08/2021 14:27	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 14:27	WG1618057
Benzene	0.0790		0.0160	0.0400	1	02/08/2021 14:27	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 14:27	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 14:27	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 14:27	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 14:27	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 14:27	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 14:27	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 14:27	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 14:27	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 14:27	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 14:27	WG1618057





Collected date/time: 02/04/21 14:40

L1314614

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	02/08/2021 14:27	WG1618057
Chloroform	0.0770	J	0.0166	0.100	1	02/08/2021 14:27	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 14:27	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 14:27	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 14:27	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 14:27	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 14:27	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 14:27	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 14:27	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 14:27	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 14:27	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 14:27	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 14:27	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 14:27	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 14:27	WG1618057
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/15/2021 11:08	WG1620866
trans-1,2-Dichloroethene	U	J4	0.0572	0.200	1	02/08/2021 14:27	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 14:27	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 14:27	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 14:27	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 14:27	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 14:27	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 14:27	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 14:27	WG1618057
Ethylbenzene	0.209		0.0212	0.100	1	02/08/2021 14:27	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 14:27	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 14:27	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 14:27	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 14:27	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 14:27	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 14:27	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 14:27	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 14:27	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 14:27	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 14:27	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 14:27	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 14:27	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 14:27	WG1618057
Tetrachloroethene	1.62		0.0280	0.100	1	02/08/2021 14:27	WG1618057
Toluene	1.44		0.0500	0.200	1	02/08/2021 14:27	WG1618057
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/08/2021 14:27	WG1618057
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	02/08/2021 14:27	WG1618057
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/08/2021 14:27	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 14:27	WG1618057
Trichloroethene	0.101		0.0160	0.0400	1	02/08/2021 14:27	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 14:27	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 14:27	WG1618057
1,2,4-Trimethylbenzene	0.0970	J	0.0464	0.200	1	02/08/2021 14:27	WG1618057
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/08/2021 14:27	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 14:27	WG1618057
Vinyl chloride	U		0.0273	0.100	1	02/08/2021 14:27	WG1618057
Xylenes, Total	1.17		0.191	0.260	1	02/08/2021 14:27	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 14:27	WG1618057
Tetrahydrofuran	0.558	J- C3	0.0900	0.500	1	02/08/2021 14:27	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 14:27	WG1618057
Allyl chloride	U	J4	0.580	1.00	1	02/08/2021 14:27	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



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	02/08/2021 14:27	WG1618057
(S) Toluene-d8	90.3			75.0-131		02/08/2021 14:27	WG1618057
(S) Toluene-d8	103			75.0-131		02/15/2021 11:08	WG1620866
(S) 4-Bromofluorobenzene	110			67.0-138		02/08/2021 14:27	WG1618057
(S) 4-Bromofluorobenzene	99.7			67.0-138		02/15/2021 11:08	WG1620866
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/08/2021 14:27	WG1618057
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/15/2021 11:08	WG1620866

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	127000		2970	25000	5	02/07/2021 11:53	WG1617451

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2000	~~B~~	102	1000	1	02/08/2021 23:36	WG1617994

6 Qc

7 Gl

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5570		28.1	100	1	02/12/2021 15:54	WG1618525
Manganese	537		0.704	5.00	1	02/12/2021 15:54	WG1618525

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	107		2.91	10.0	1	02/11/2021 15:43	WG1619814
Ethane	U		4.07	13.0	1	02/11/2021 15:43	WG1619814
Ethene	U		4.26	13.0	1	02/11/2021 15:43	WG1619814

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.20	U	0.548	1.00	1	02/08/2021 14:46	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 14:46	WG1618057
Benzene	0.0500		0.0160	0.0400	1	02/08/2021 14:46	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 14:46	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 14:46	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 14:46	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 14:46	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 14:46	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 14:46	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 14:46	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 14:46	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 14:46	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 14:46	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 14:46	WG1618057
Chloroform	0.0810	J	0.0166	0.100	1	02/08/2021 14:46	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 14:46	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 14:46	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 14:46	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 14:46	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 14:46	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 14:46	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 14:46	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 14:46	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 14:46	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 14:46	WG1618057
1,1-Dichloroethane	2.60		0.0230	0.100	1	02/08/2021 14:46	WG1618057
1,2-Dichloroethane	0.423		0.0190	0.100	1	02/08/2021 14:46	WG1618057
1,1-Dichloroethene	0.650	J+ C5	0.0200	0.100	1	02/08/2021 14:46	WG1618057
cis-1,2-Dichloroethene	43.5		0.0276	0.100	1	02/08/2021 14:46	WG1618057
trans-1,2-Dichloroethene	0.212	J+ C5 J4	0.0572	0.200	1	02/08/2021 14:46	WG1618057
1,2-Dichloropropane	0.860		0.0508	0.200	1	02/08/2021 14:46	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 13:55

L1314614

Volatile Organic 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	02/08/2021 14:46	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 14:46	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 14:46	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 14:46	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 14:46	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 14:46	WG1618057
Ethylbenzene	0.0790	<u>J</u>	0.0212	0.100	1	02/08/2021 14:46	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 14:46	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 14:46	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 14:46	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 14:46	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 14:46	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 14:46	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 14:46	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 14:46	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 14:46	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 14:46	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 14:46	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 14:46	WG1618057
1,1,2-Trichlorotrifluoroethane	0.479		0.0270	0.100	1	02/08/2021 14:46	WG1618057
Tetrachloroethene	41.6		0.0280	0.100	1	02/08/2021 14:46	WG1618057
Toluene	0.332		0.0500	0.200	1	02/08/2021 14:46	WG1618057
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	02/08/2021 14:46	WG1618057
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	02/08/2021 14:46	WG1618057
1,1,1-Trichloroethane	0.243	<u>J+</u> <u>C5 J4</u>	0.0110	0.100	1	02/08/2021 14:46	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 14:46	WG1618057
Trichloroethene	17.4		0.0160	0.0400	1	02/08/2021 14:46	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 14:46	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 14:46	WG1618057
1,2,4-Trimethylbenzene	0.0960	<u>J</u>	0.0464	0.200	1	02/08/2021 14:46	WG1618057
1,2,3-Trimethylbenzene	U	<u>J4</u>	0.0460	0.200	1	02/08/2021 14:46	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 14:46	WG1618057
Vinyl chloride	1.17	<u>J+</u> <u>C5</u>	0.0273	0.100	1	02/08/2021 14:46	WG1618057
Xylenes, Total	0.516		0.191	0.260	1	02/08/2021 14:46	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 14:46	WG1618057
Tetrahydrofuran	0.251	<u>U</u> <u>~~C3 J~~</u>	0.0900	0.500	1	02/08/2021 14:46	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 14:46	WG1618057
Allyl chloride	U	<u>J4</u>	0.580	1.00	1	02/08/2021 14:46	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 14:46	WG1618057
(S) Toluene-d8	91.9			75.0-131		02/08/2021 14:46	WG1618057
(S) 4-Bromofluorobenzene	105			67.0-138		02/08/2021 14:46	WG1618057
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/08/2021 14:46	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1790	J	594	5000	1	02/07/2021 12:46	WG1617451

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 date / time	Batch
TOC (Total Organic Carbon)	3670	B	102	1000	1	02/08/2021 23:48	WG1617994

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	23600		28.1	100	1	02/12/2021 15:57	WG1618525
Manganese	1510		0.704	5.00	1	02/12/2021 15:57	WG1618525

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	73.2	U	31.6	100	1	02/09/2021 07:13	WG1618382
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120		02/09/2021 07:13	WG1618382

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	644		2.91	10.0	1	02/11/2021 15:47	WG1619814
Ethane	U		4.07	13.0	1	02/11/2021 15:47	WG1619814
Ethene	U		4.26	13.0	1	02/11/2021 15:47	WG1619814

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	02/08/2021 15:06	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 15:06	WG1618057
Benzene	0.0420		0.0160	0.0400	1	02/08/2021 15:06	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 15:06	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 15:06	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 15:06	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 15:06	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 15:06	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 15:06	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 15:06	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 15:06	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 15:06	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 15:06	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 15:06	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 15:06	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 15:06	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 15:06	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 15:06	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 15:06	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 15:06	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 15:06	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 15:06	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 15:06	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 15:10

L1314614

Volatile 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	02/08/2021 15:06	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 15:06	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 15:06	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 15:06	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 15:06	WG1618057
cis-1,2-Dichloroethene	0.121		0.0276	0.100	1	02/08/2021 15:06	WG1618057
trans-1,2-Dichloroethene	U	~~J4~~	0.0572	0.200	1	02/08/2021 15:06	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 15:06	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 15:06	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 15:06	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 15:06	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 15:06	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 15:06	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 15:06	WG1618057
Ethylbenzene	0.0510	~~J~~	0.0212	0.100	1	02/08/2021 15:06	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 15:06	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 15:06	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 15:06	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 15:06	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 15:06	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 15:06	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 15:06	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 15:06	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 15:06	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 15:06	WG1618057
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/08/2021 15:06	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 15:06	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 15:06	WG1618057
Tetrachloroethene	0.117		0.0280	0.100	1	02/08/2021 15:06	WG1618057
Toluene	0.241		0.0500	0.200	1	02/08/2021 15:06	WG1618057
1,2,3-Trichlorobenzene	U	UJ ~~C4~~	0.0250	0.500	1	02/08/2021 15:06	WG1618057
1,2,4-Trichlorobenzene	U	UJ ~~C4~~	0.193	0.500	1	02/08/2021 15:06	WG1618057
1,1,1-Trichloroethane	U	~~J4~~	0.0110	0.100	1	02/08/2021 15:06	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 15:06	WG1618057
Trichloroethene	U		0.0160	0.0400	1	02/08/2021 15:06	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 15:06	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 15:06	WG1618057
1,2,4-Trimethylbenzene	0.0730	~~J~~	0.0464	0.200	1	02/08/2021 15:06	WG1618057
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/08/2021 15:06	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 15:06	WG1618057
Vinyl chloride	0.138	J+ ~~C5~~	0.0273	0.100	1	02/08/2021 15:06	WG1618057
Xylenes, Total	0.321		0.191	0.260	1	02/08/2021 15:06	WG1618057
Ethyl Ether	0.179		0.0170	0.100	1	02/08/2021 15:06	WG1618057
Tetrahydrofuran	U	UJ ~~C3~~	0.0900	0.500	1	02/08/2021 15:06	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 15:06	WG1618057
Allyl chloride	U	~~J4~~	0.580	1.00	1	02/08/2021 15:06	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 15:06	WG1618057
(S) Toluene-d8	92.4			75.0-131		02/08/2021 15:06	WG1618057
(S) 4-Bromofluorobenzene	104			67.0-138		02/08/2021 15:06	WG1618057
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/08/2021 15:06	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Collected date/time: 02/04/21 16:00

L1314614

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	38.4	<u>B</u>	31.6	100	1	02/09/2021 05:01	WG1618382
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/09/2021 05:01	WG1618382

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	5.33		0.548	1.00	1	02/08/2021 11:56	WG1618057
Acrylonitrile	U		0.0760	0.500	1	02/08/2021 11:56	WG1618057
Benzene	0.0190	<u>J</u>	0.0160	0.0400	1	02/08/2021 11:56	WG1618057
Bromobenzene	U		0.0420	0.500	1	02/08/2021 11:56	WG1618057
Bromodichloromethane	U		0.0315	0.100	1	02/08/2021 11:56	WG1618057
Bromoform	U		0.239	1.00	1	02/08/2021 11:56	WG1618057
Bromomethane	U		0.148	0.500	1	02/08/2021 11:56	WG1618057
n-Butylbenzene	U		0.153	0.500	1	02/08/2021 11:56	WG1618057
sec-Butylbenzene	U		0.101	0.500	1	02/08/2021 11:56	WG1618057
tert-Butylbenzene	U		0.0620	0.200	1	02/08/2021 11:56	WG1618057
Carbon tetrachloride	U		0.0432	0.200	1	02/08/2021 11:56	WG1618057
Chlorobenzene	U		0.0229	0.100	1	02/08/2021 11:56	WG1618057
Chlorodibromomethane	U		0.0180	0.100	1	02/08/2021 11:56	WG1618057
Chloroethane	U		0.0432	0.200	1	02/08/2021 11:56	WG1618057
Chloroform	U		0.0166	0.100	1	02/08/2021 11:56	WG1618057
Chloromethane	U		0.0556	0.500	1	02/08/2021 11:56	WG1618057
2-Chlorotoluene	U		0.0368	0.100	1	02/08/2021 11:56	WG1618057
4-Chlorotoluene	U		0.0452	0.200	1	02/08/2021 11:56	WG1618057
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/08/2021 11:56	WG1618057
1,2-Dibromoethane	U		0.0210	0.100	1	02/08/2021 11:56	WG1618057
Dibromomethane	U		0.0400	0.200	1	02/08/2021 11:56	WG1618057
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/08/2021 11:56	WG1618057
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/08/2021 11:56	WG1618057
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/08/2021 11:56	WG1618057
Dichlorodifluoromethane	U		0.0327	0.100	1	02/08/2021 11:56	WG1618057
1,1-Dichloroethane	U		0.0230	0.100	1	02/08/2021 11:56	WG1618057
1,2-Dichloroethane	U		0.0190	0.100	1	02/08/2021 11:56	WG1618057
1,1-Dichloroethene	U		0.0200	0.100	1	02/08/2021 11:56	WG1618057
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/08/2021 11:56	WG1618057
trans-1,2-Dichloroethene	U	<u>14</u>	0.0572	0.200	1	02/08/2021 11:56	WG1618057
1,2-Dichloropropane	U		0.0508	0.200	1	02/08/2021 11:56	WG1618057
1,1-Dichloropropene	U		0.0280	0.100	1	02/08/2021 11:56	WG1618057
1,3-Dichloropropane	U		0.0700	0.200	1	02/08/2021 11:56	WG1618057
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/08/2021 11:56	WG1618057
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/08/2021 11:56	WG1618057
2,2-Dichloropropane	U		0.0317	0.100	1	02/08/2021 11:56	WG1618057
Di-isopropyl ether	U		0.0140	0.0400	1	02/08/2021 11:56	WG1618057
Ethylbenzene	U		0.0212	0.100	1	02/08/2021 11:56	WG1618057
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/08/2021 11:56	WG1618057
Isopropylbenzene	U		0.0345	0.100	1	02/08/2021 11:56	WG1618057
p-Isopropyltoluene	U		0.0932	0.200	1	02/08/2021 11:56	WG1618057
2-Butanone (MEK)	U		0.500	1.00	1	02/08/2021 11:56	WG1618057
Methylene Chloride	U		0.265	1.00	1	02/08/2021 11:56	WG1618057
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/08/2021 11:56	WG1618057
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/08/2021 11:56	WG1618057
Naphthalene	U		0.124	0.500	1	02/08/2021 11:56	WG1618057
n-Propylbenzene	U		0.0472	0.200	1	02/08/2021 11:56	WG1618057
Styrene	U		0.109	0.500	1	02/08/2021 11:56	WG1618057

JC 2/26/2021



Collected date/time: 02/04/21 16:00

L1314614

Volatile Organic 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	02/08/2021 11:56	WG1618057
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/08/2021 11:56	WG1618057
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/08/2021 11:56	WG1618057
Tetrachloroethene	U		0.0280	0.100	1	02/08/2021 11:56	WG1618057
Toluene	U		0.0500	0.200	1	02/08/2021 11:56	WG1618057
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	02/08/2021 11:56	WG1618057
1,2,4-Trichlorobenzene	U	<u>C4</u>	0.193	0.500	1	02/08/2021 11:56	WG1618057
1,1,1-Trichloroethane	U	<u>J4</u>	0.0110	0.100	1	02/08/2021 11:56	WG1618057
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/08/2021 11:56	WG1618057
Trichloroethene	U		0.0160	0.0400	1	02/08/2021 11:56	WG1618057
Trichlorofluoromethane	U		0.0200	0.100	1	02/08/2021 11:56	WG1618057
1,2,3-Trichloropropane	U		0.204	0.500	1	02/08/2021 11:56	WG1618057
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/08/2021 11:56	WG1618057
1,2,3-Trimethylbenzene	U	<u>J4</u>	0.0460	0.200	1	02/08/2021 11:56	WG1618057
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/08/2021 11:56	WG1618057
Vinyl chloride	U		0.0273	0.100	1	02/08/2021 11:56	WG1618057
Xylenes, Total	U		0.191	0.260	1	02/08/2021 11:56	WG1618057
Ethyl Ether	U		0.0170	0.100	1	02/08/2021 11:56	WG1618057
Tetrahydrofuran	0.271	<u>C3 J</u>	0.0900	0.500	1	02/08/2021 11:56	WG1618057
Iodomethane	U		0.242	0.500	1	02/08/2021 11:56	WG1618057
Allyl chloride	U	<u>J4</u>	0.580	1.00	1	02/08/2021 11:56	WG1618057
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/08/2021 11:56	WG1618057
(S) Toluene-d8	88.1			75.0-131		02/08/2021 11:56	WG1618057
(S) 4-Bromofluorobenzene	113			67.0-138		02/08/2021 11:56	WG1618057
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/08/2021 11:56	WG1618057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/26/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	44300		594	5000	1	02/17/2021 16:19	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	32500		102	1000	1	02/16/2021 18:22	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	20600		562	2000	20	02/17/2021 15:40	WG1619786
Manganese	3950		0.704	5.00	1	02/17/2021 14:32	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	19500		2.87	6.78	10	02/20/2021 15:12	WG1622917
Ethane	417		0.296	1.29	1	02/20/2021 12:46	WG1622724
Ethene	U		0.422	1.27	1	02/20/2021 12:46	WG1622724

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		27.4	50.0	50	02/20/2021 13:27	WG1620024
Acrylonitrile	U		3.80	25.0	50	02/20/2021 13:27	WG1620024
Benzene	U		0.800	2.00	50	02/20/2021 13:27	WG1620024
Bromobenzene	U		2.10	25.0	50	02/20/2021 13:27	WG1620024
Bromodichloromethane	U		1.58	5.00	50	02/20/2021 13:27	WG1620024
Bromoform	U		12.0	50.0	50	02/20/2021 13:27	WG1620024
Bromomethane	U		7.40	25.0	50	02/20/2021 13:27	WG1620024
n-Butylbenzene	U		7.65	25.0	50	02/20/2021 13:27	WG1620024
sec-Butylbenzene	U		5.05	25.0	50	02/20/2021 13:27	WG1620024
tert-Butylbenzene	U		3.10	10.0	50	02/20/2021 13:27	WG1620024
Carbon tetrachloride	U		2.16	10.0	50	02/20/2021 13:27	WG1620024
Chlorobenzene	U		1.15	5.00	50	02/20/2021 13:27	WG1620024
Chlorodibromomethane	U		0.900	5.00	50	02/20/2021 13:27	WG1620024
Chloroethane	U		2.16	10.0	50	02/20/2021 13:27	WG1620024
Chloroform	U		0.830	5.00	50	02/20/2021 13:27	WG1620024
Chloromethane	U	~~J4~~	2.78	25.0	50	02/20/2021 13:27	WG1620024
2-Chlorotoluene	U		1.84	5.00	50	02/20/2021 13:27	WG1620024
4-Chlorotoluene	U		2.26	10.0	50	02/20/2021 13:27	WG1620024
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	02/20/2021 13:27	WG1620024
1,2-Dibromoethane	U		1.05	5.00	50	02/20/2021 13:27	WG1620024
Dibromomethane	U		2.00	10.0	50	02/20/2021 13:27	WG1620024
1,2-Dichlorobenzene	U		2.90	10.0	50	02/20/2021 13:27	WG1620024
1,3-Dichlorobenzene	U		3.40	10.0	50	02/20/2021 13:27	WG1620024
1,4-Dichlorobenzene	U		3.94	10.0	50	02/20/2021 13:27	WG1620024
Dichlorodifluoromethane	U		1.64	5.00	50	02/20/2021 13:27	WG1620024
1,1-Dichloroethane	U		1.15	5.00	50	02/20/2021 13:27	WG1620024
1,2-Dichloroethane	U		0.950	5.00	50	02/20/2021 13:27	WG1620024
1,1-Dichloroethene	6.60		1.00	5.00	50	02/20/2021 13:27	WG1620024
cis-1,2-Dichloroethene	3260		1.38	5.00	50	02/20/2021 13:27	WG1620024
trans-1,2-Dichloroethene	14.1		2.86	10.0	50	02/20/2021 13:27	WG1620024
1,2-Dichloropropane	U		2.54	10.0	50	02/20/2021 13:27	WG1620024

JC 02/23/2021



Collected date/time: 02/08/21 10:30

L1315830

Volatile Organic 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	02/20/2021 13:27	WG1620024
1,3-Dichloropropane	U		3.50	10.0	50	02/20/2021 13:27	WG1620024
cis-1,3-Dichloropropene	U		1.36	5.00	50	02/20/2021 13:27	WG1620024
trans-1,3-Dichloropropene	U		3.06	10.0	50	02/20/2021 13:27	WG1620024
2,2-Dichloropropane	U		1.59	5.00	50	02/20/2021 13:27	WG1620024
Di-isopropyl ether	U		0.700	2.00	50	02/20/2021 13:27	WG1620024
Ethylbenzene	U		1.06	5.00	50	02/20/2021 13:27	WG1620024
Hexachloro-1,3-butadiene	U		25.4	50.0	50	02/20/2021 13:27	WG1620024
Isopropylbenzene	U		1.73	5.00	50	02/20/2021 13:27	WG1620024
p-Isopropyltoluene	U		4.66	10.0	50	02/20/2021 13:27	WG1620024
2-Butanone (MEK)	U		25.0	50.0	50	02/20/2021 13:27	WG1620024
Methylene Chloride	U		13.3	50.0	50	02/20/2021 13:27	WG1620024
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	02/20/2021 13:27	WG1620024
Methyl tert-butyl ether	U		0.590	2.00	50	02/20/2021 13:27	WG1620024
Naphthalene	U		6.20	25.0	50	02/20/2021 13:27	WG1620024
n-Propylbenzene	U		2.36	10.0	50	02/20/2021 13:27	WG1620024
Styrene	U		5.45	25.0	50	02/20/2021 13:27	WG1620024
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	02/20/2021 13:27	WG1620024
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	02/20/2021 13:27	WG1620024
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	02/20/2021 13:27	WG1620024
Tetrachloroethene	U		1.40	5.00	50	02/20/2021 13:27	WG1620024
Toluene	3.00	~~U~~	2.50	10.0	50	02/20/2021 13:27	WG1620024
1,2,3-Trichlorobenzene	U		1.25	25.0	50	02/20/2021 13:27	WG1620024
1,2,4-Trichlorobenzene	U		9.65	25.0	50	02/20/2021 13:27	WG1620024
1,1,1-Trichloroethane	U		0.550	5.00	50	02/20/2021 13:27	WG1620024
1,1,2-Trichloroethane	U	~~J4~~	1.77	5.00	50	02/20/2021 13:27	WG1620024
Trichloroethene	U		0.800	2.00	50	02/20/2021 13:27	WG1620024
Trichlorofluoromethane	U		1.00	5.00	50	02/20/2021 13:27	WG1620024
1,2,3-Trichloropropane	U		10.2	25.0	50	02/20/2021 13:27	WG1620024
1,2,4-Trimethylbenzene	U		2.32	10.0	50	02/20/2021 13:27	WG1620024
1,2,3-Trimethylbenzene	U	~~J4~~	2.30	10.0	50	02/20/2021 13:27	WG1620024
1,3,5-Trimethylbenzene	U		2.16	10.0	50	02/20/2021 13:27	WG1620024
Vinyl chloride	514	J+ C5	1.36	5.00	50	02/20/2021 13:27	WG1620024
Xylenes, Total	U		9.55	13.0	50	02/20/2021 13:27	WG1620024
Ethyl Ether	U		0.850	5.00	50	02/20/2021 13:27	WG1620024
Tetrahydrofuran	U		4.50	25.0	50	02/20/2021 13:27	WG1620024
Iodomethane	U		12.1	25.0	50	02/20/2021 13:27	WG1620024
Allyl chloride	U		29.0	50.0	50	02/20/2021 13:27	WG1620024
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	02/20/2021 13:27	WG1620024
(S) Toluene-d8	118			75.0-131		02/20/2021 13:27	WG1620024
(S) 4-Bromofluorobenzene	108			67.0-138		02/20/2021 13:27	WG1620024
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/20/2021 13:27	WG1620024

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	72800		2970	25000	5	02/17/2021 16:44	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	11400		102	1000	1	02/16/2021 18:35	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2300		140	500	5	02/17/2021 15:43	WG1619786
Manganese	3920		0.704	5.00	1	02/17/2021 14:35	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	5850		0.287	0.678	1	02/20/2021 13:55	WG1622724
Ethane	U		0.296	1.29	1	02/20/2021 13:55	WG1622724
Ethene	U		0.422	1.27	1	02/20/2021 13:55	WG1622724

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

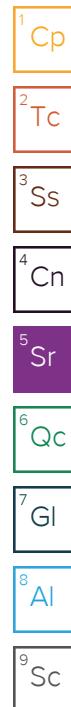
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		5.48	10.0	10	02/20/2021 13:46	WG1620024
Acrylonitrile	U		0.760	5.00	10	02/20/2021 13:46	WG1620024
Benzene	0.240	J	0.160	0.400	10	02/20/2021 13:46	WG1620024
Bromobenzene	U		0.420	5.00	10	02/20/2021 13:46	WG1620024
Bromodichloromethane	U		0.315	1.00	10	02/20/2021 13:46	WG1620024
Bromoform	U		2.39	10.0	10	02/20/2021 13:46	WG1620024
Bromomethane	U		1.48	5.00	10	02/20/2021 13:46	WG1620024
n-Butylbenzene	U		1.53	5.00	10	02/20/2021 13:46	WG1620024
sec-Butylbenzene	U		1.01	5.00	10	02/20/2021 13:46	WG1620024
tert-Butylbenzene	U		0.620	2.00	10	02/20/2021 13:46	WG1620024
Carbon tetrachloride	U		0.432	2.00	10	02/20/2021 13:46	WG1620024
Chlorobenzene	U		0.229	1.00	10	02/20/2021 13:46	WG1620024
Chlorodibromomethane	U		0.180	1.00	10	02/20/2021 13:46	WG1620024
Chloroethane	U		0.432	2.00	10	02/20/2021 13:46	WG1620024
Chloroform	U		0.166	1.00	10	02/20/2021 13:46	WG1620024
Chloromethane	U	J4	0.556	5.00	10	02/20/2021 13:46	WG1620024
2-Chlorotoluene	U		0.368	1.00	10	02/20/2021 13:46	WG1620024
4-Chlorotoluene	U		0.452	2.00	10	02/20/2021 13:46	WG1620024
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/20/2021 13:46	WG1620024
1,2-Dibromoethane	U		0.210	1.00	10	02/20/2021 13:46	WG1620024
Dibromomethane	U		0.400	2.00	10	02/20/2021 13:46	WG1620024
1,2-Dichlorobenzene	U		0.580	2.00	10	02/20/2021 13:46	WG1620024
1,3-Dichlorobenzene	U		0.680	2.00	10	02/20/2021 13:46	WG1620024
1,4-Dichlorobenzene	U		0.788	2.00	10	02/20/2021 13:46	WG1620024
Dichlorodifluoromethane	U		0.327	1.00	10	02/20/2021 13:46	WG1620024
1,1-Dichloroethane	U		0.230	1.00	10	02/20/2021 13:46	WG1620024
1,2-Dichloroethane	U		0.190	1.00	10	02/20/2021 13:46	WG1620024
1,1-Dichloroethene	2.58		0.200	1.00	10	02/20/2021 13:46	WG1620024
cis-1,2-Dichloroethene	703		0.276	1.00	10	02/20/2021 13:46	WG1620024
trans-1,2-Dichloroethene	4.04		0.572	2.00	10	02/20/2021 13:46	WG1620024
1,2-Dichloropropane	U		0.508	2.00	10	02/20/2021 13:46	WG1620024

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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	02/20/2021 13:46	WG1620024
1,3-Dichloropropane	U		0.700	2.00	10	02/20/2021 13:46	WG1620024
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/20/2021 13:46	WG1620024
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/20/2021 13:46	WG1620024
2,2-Dichloropropane	U		0.317	1.00	10	02/20/2021 13:46	WG1620024
Di-isopropyl ether	U		0.140	0.400	10	02/20/2021 13:46	WG1620024
Ethylbenzene	U		0.212	1.00	10	02/20/2021 13:46	WG1620024
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/20/2021 13:46	WG1620024
Isopropylbenzene	U		0.345	1.00	10	02/20/2021 13:46	WG1620024
p-Isopropyltoluene	U		0.932	2.00	10	02/20/2021 13:46	WG1620024
2-Butanone (MEK)	U		5.00	10.0	10	02/20/2021 13:46	WG1620024
Methylene Chloride	U		2.65	10.0	10	02/20/2021 13:46	WG1620024
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/20/2021 13:46	WG1620024
Methyl tert-butyl ether	U		0.118	0.400	10	02/20/2021 13:46	WG1620024
Naphthalene	U		1.24	5.00	10	02/20/2021 13:46	WG1620024
n-Propylbenzene	U		0.472	2.00	10	02/20/2021 13:46	WG1620024
Styrene	U		1.09	5.00	10	02/20/2021 13:46	WG1620024
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/20/2021 13:46	WG1620024
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/20/2021 13:46	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/20/2021 13:46	WG1620024
Tetrachloroethene	492	J+ C5	0.280	1.00	10	02/20/2021 13:46	WG1620024
Toluene	0.540	J	0.500	2.00	10	02/20/2021 13:46	WG1620024
1,2,3-Trichlorobenzene	U		0.250	5.00	10	02/20/2021 13:46	WG1620024
1,2,4-Trichlorobenzene	U		1.93	5.00	10	02/20/2021 13:46	WG1620024
1,1,1-Trichloroethane	U		0.110	1.00	10	02/20/2021 13:46	WG1620024
1,1,2-Trichloroethane	U	J4	0.353	1.00	10	02/20/2021 13:46	WG1620024
Trichloroethene	228		0.160	0.400	10	02/20/2021 13:46	WG1620024
Trichlorofluoromethane	U		0.200	1.00	10	02/20/2021 13:46	WG1620024
1,2,3-Trichloropropane	U		2.04	5.00	10	02/20/2021 13:46	WG1620024
1,2,4-Trimethylbenzene	U		0.464	2.00	10	02/20/2021 13:46	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.460	2.00	10	02/20/2021 13:46	WG1620024
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/20/2021 13:46	WG1620024
Vinyl chloride	U		0.273	1.00	10	02/20/2021 13:46	WG1620024
Xylenes, Total	U		1.91	2.60	10	02/20/2021 13:46	WG1620024
Ethyl Ether	U		0.170	1.00	10	02/20/2021 13:46	WG1620024
Tetrahydrofuran	U		0.900	5.00	10	02/20/2021 13:46	WG1620024
Iodomethane	U		2.42	5.00	10	02/20/2021 13:46	WG1620024
Allyl chloride	U		5.80	10.0	10	02/20/2021 13:46	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/20/2021 13:46	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 13:46	WG1620024
(S) 4-Bromofluorobenzene	106			67.0-138		02/20/2021 13:46	WG1620024
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/20/2021 13:46	WG1620024



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16700		594	5000	1	02/17/2021 16:57	WG1621685

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	45700		102	1000	1	02/16/2021 19:20	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3900		140	500	5	02/17/2021 15:56	WG1619786
Manganese	3630		0.704	5.00	1	02/17/2021 14:39	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2500		0.287	0.678	1	02/20/2021 14:01	WG1622724
Ethane	31.3		0.296	1.29	1	02/20/2021 14:01	WG1622724
Ethene	U		0.422	1.27	1	02/20/2021 14:01	WG1622724

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	6.10	<u>C5</u>	0.548	1.00	1	02/20/2021 14:05	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 14:05	WG1620024
Benzene	0.327		0.0160	0.0400	1	02/20/2021 14:05	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 14:05	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 14:05	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 14:05	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 14:05	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 14:05	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 14:05	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 14:05	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 14:05	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 14:05	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 14:05	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 14:05	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 14:05	WG1620024
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	02/20/2021 14:05	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 14:05	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 14:05	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 14:05	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 14:05	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 14:05	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 14:05	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 14:05	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 14:05	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 14:05	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 14:05	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 14:05	WG1620024
1,1-Dichloroethene	0.370		0.0200	0.100	1	02/20/2021 14:05	WG1620024
cis-1,2-Dichloroethene	80.5		0.0276	0.100	1	02/20/2021 14:05	WG1620024
trans-1,2-Dichloroethene	0.498		0.0572	0.200	1	02/20/2021 14:05	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 14:05	WG1620024

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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	02/20/2021 14:05	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 14:05	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 14:05	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 14:05	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 14:05	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 14:05	WG1620024
Ethylbenzene	0.220		0.0212	0.100	1	02/20/2021 14:05	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 14:05	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 14:05	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 14:05	WG1620024
2-Butanone (MEK)	23.2	J+ C5	0.500	1.00	1	02/20/2021 14:05	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 14:05	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 14:05	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 14:05	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 14:05	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 14:05	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 14:05	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 14:05	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 14:05	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 14:05	WG1620024
Tetrachloroethene	0.0940	J	0.0280	0.100	1	02/20/2021 14:05	WG1620024
Toluene	1.42		0.0500	0.200	1	02/20/2021 14:05	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 14:05	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 14:05	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 14:05	WG1620024
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/20/2021 14:05	WG1620024
Trichloroethene	1.11		0.0160	0.0400	1	02/20/2021 14:05	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 14:05	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 14:05	WG1620024
1,2,4-Trimethylbenzene	0.145	J	0.0464	0.200	1	02/20/2021 14:05	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 14:05	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 14:05	WG1620024
Vinyl chloride	33.9	J+ C5	0.0273	0.100	1	02/20/2021 14:05	WG1620024
Xylenes, Total	1.18		0.191	0.260	1	02/20/2021 14:05	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 14:05	WG1620024
Tetrahydrofuran	14.6		0.0900	0.500	1	02/20/2021 14:05	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 14:05	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 14:05	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 14:05	WG1620024
(S) Toluene-d8	120			75.0-131		02/20/2021 14:05	WG1620024
(S) 4-Bromofluorobenzene	106			67.0-138		02/20/2021 14:05	WG1620024
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/20/2021 14:05	WG1620024

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	4880	J	594	5000	1	02/17/2021 17:35	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	4090		102	1000	1	02/16/2021 19:32	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6770		281	1000	10	02/17/2021 15:59	WG1619786
Manganese	2970		0.704	5.00	1	02/17/2021 14:42	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	20100		2.87	6.78	10	02/20/2021 15:15	WG1622917
Ethane	70.9		0.296	1.29	1	02/20/2021 14:04	WG1622724
Ethene	U		0.422	1.27	1	02/20/2021 14:04	WG1622724

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	6.07	C5	0.548	1.00	1	02/20/2021 14:24	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 14:24	WG1620024
Benzene	0.0340	J	0.0160	0.0400	1	02/20/2021 14:24	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 14:24	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 14:24	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 14:24	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 14:24	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 14:24	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 14:24	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 14:24	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 14:24	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 14:24	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 14:24	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 14:24	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 14:24	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 14:24	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 14:24	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 14:24	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 14:24	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 14:24	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 14:24	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 14:24	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 14:24	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 14:24	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 14:24	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 14:24	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 14:24	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 14:24	WG1620024
cis-1,2-Dichloroethene	0.525		0.0276	0.100	1	02/20/2021 14:24	WG1620024
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/20/2021 14:24	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 14:24	WG1620024

JC 02/23/2021



Collected date/time: 02/08/21 12:05

L1315830

Volatile Organic 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	02/20/2021 14:24	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 14:24	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 14:24	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 14:24	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 14:24	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 14:24	WG1620024
Ethylbenzene	0.0860	J	0.0212	0.100	1	02/20/2021 14:24	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 14:24	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 14:24	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 14:24	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 14:24	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 14:24	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 14:24	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 14:24	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 14:24	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 14:24	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 14:24	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 14:24	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 14:24	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 14:24	WG1620024
Tetrachloroethene	0.126	J+ C5	0.0280	0.100	1	02/20/2021 14:24	WG1620024
Toluene	0.182	J	0.0500	0.200	1	02/20/2021 14:24	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 14:24	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 14:24	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 14:24	WG1620024
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/20/2021 14:24	WG1620024
Trichloroethene	0.0380	J	0.0160	0.0400	1	02/20/2021 14:24	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 14:24	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 14:24	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 14:24	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 14:24	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 14:24	WG1620024
Vinyl chloride	0.504	J+ C5	0.0273	0.100	1	02/20/2021 14:24	WG1620024
Xylenes, Total	0.486		0.191	0.260	1	02/20/2021 14:24	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 14:24	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 14:24	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 14:24	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 14:24	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 14:24	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 14:24	WG1620024
(S) 4-Bromofluorobenzene	107			67.0-138		02/20/2021 14:24	WG1620024
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/20/2021 14:24	WG1620024

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 date / time	Batch
Sulfate	56300		594	5000	1	02/17/2021 17:48	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	1830		102	1000	1	02/16/2021 19:46	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	407		28.1	100	1	02/17/2021 14:45	WG1619786
Manganese	29.6		0.704	5.00	1	02/17/2021 14:45	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	9.16		0.287	0.678	1	02/20/2021 14:08	WG1622724
Ethane	U		0.296	1.29	1	02/20/2021 14:08	WG1622724
Ethene	U		0.422	1.27	1	02/20/2021 14:08	WG1622724

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	02/20/2021 14:42	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 14:42	WG1620024
Benzene	0.0220	J	0.0160	0.0400	1	02/20/2021 14:42	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 14:42	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 14:42	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 14:42	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 14:42	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 14:42	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 14:42	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 14:42	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 14:42	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 14:42	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 14:42	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 14:42	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 14:42	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 14:42	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 14:42	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 14:42	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 14:42	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 14:42	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 14:42	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 14:42	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 14:42	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 14:42	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 14:42	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 14:42	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 14:42	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 14:42	WG1620024
cis-1,2-Dichloroethene	0.203		0.0276	0.100	1	02/20/2021 14:42	WG1620024
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/20/2021 14:42	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 14:42	WG1620024

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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	02/20/2021 14:42	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 14:42	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 14:42	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 14:42	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 14:42	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 14:42	WG1620024
Ethylbenzene	0.106		0.0212	0.100	1	02/20/2021 14:42	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 14:42	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 14:42	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 14:42	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 14:42	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 14:42	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 14:42	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 14:42	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 14:42	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 14:42	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 14:42	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 14:42	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 14:42	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 14:42	WG1620024
Tetrachloroethene	4.72	J+ C5	0.0280	0.100	1	02/20/2021 14:42	WG1620024
Toluene	0.794		0.0500	0.200	1	02/20/2021 14:42	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 14:42	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 14:42	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 14:42	WG1620024
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/20/2021 14:42	WG1620024
Trichloroethene	0.501		0.0160	0.0400	1	02/20/2021 14:42	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 14:42	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 14:42	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 14:42	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 14:42	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 14:42	WG1620024
Vinyl chloride	U		0.0273	0.100	1	02/20/2021 14:42	WG1620024
Xylenes, Total	0.593		0.191	0.260	1	02/20/2021 14:42	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 14:42	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 14:42	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 14:42	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 14:42	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 14:42	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 14:42	WG1620024
(S) 4-Bromofluorobenzene	103			67.0-138		02/20/2021 14:42	WG1620024
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/20/2021 14:42	WG1620024

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

JC 02/23/2021



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	2.49	C5	0.548	1.00	1	02/20/2021 15:01	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 15:01	WG1620024
Benzene	0.0650		0.0160	0.0400	1	02/20/2021 15:01	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 15:01	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 15:01	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 15:01	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 15:01	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 15:01	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 15:01	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 15:01	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 15:01	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 15:01	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 15:01	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 15:01	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 15:01	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 15:01	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 15:01	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 15:01	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 15:01	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 15:01	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 15:01	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 15:01	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 15:01	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 15:01	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 15:01	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 15:01	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 15:01	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 15:01	WG1620024
cis-1,2-Dichloroethene	1.50		0.0276	0.100	1	02/20/2021 15:01	WG1620024
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/20/2021 15:01	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 15:01	WG1620024
1,1-Dichloropropene	U		0.0280	0.100	1	02/20/2021 15:01	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 15:01	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 15:01	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 15:01	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 15:01	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 15:01	WG1620024
Ethylbenzene	0.230		0.0212	0.100	1	02/20/2021 15:01	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 15:01	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 15:01	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 15:01	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 15:01	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 15:01	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 15:01	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 15:01	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 15:01	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 15:01	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 15:01	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 15:01	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 15:01	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 15:01	WG1620024
Tetrachloroethene	U		0.0280	0.100	1	02/20/2021 15:01	WG1620024
Toluene	2.03		0.0500	0.200	1	02/20/2021 15:01	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 15:01	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 15:01	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 15:01	WG1620024

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 02/23/2021



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	J4	0.0353	0.100	1	02/20/2021 15:01	WG1620024
Trichloroethene	U		0.0160	0.0400	1	02/20/2021 15:01	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 15:01	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 15:01	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 15:01	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 15:01	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 15:01	WG1620024
Vinyl chloride	U		0.0273	0.100	1	02/20/2021 15:01	WG1620024
Xylenes, Total	1.10		0.191	0.260	1	02/20/2021 15:01	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 15:01	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 15:01	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 15:01	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 15:01	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 15:01	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 15:01	WG1620024
(S) 4-Bromofluorobenzene	109			67.0-138		02/20/2021 15:01	WG1620024
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/20/2021 15:01	WG1620024

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC
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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	10800		594	5000	1	02/17/2021 18:26	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	907	<u>B J</u>	102	1000	1	02/16/2021 19:59	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	560		28.1	100	1	02/17/2021 14:48	WG1619786
Manganese	315		0.704	5.00	1	02/17/2021 14:48	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	105		0.287	0.678	1	02/21/2021 09:11	WG1622728
Ethane	U		0.296	1.29	1	02/21/2021 09:11	WG1622728
Ethene	U		0.422	1.27	1	02/21/2021 09:11	WG1622728

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

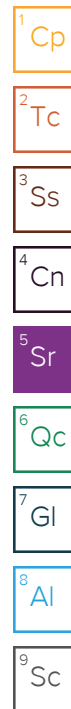
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	02/20/2021 15:39	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 15:39	WG1620024
Benzene	0.0220	<u>J</u>	0.0160	0.0400	1	02/20/2021 15:39	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 15:39	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 15:39	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 15:39	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 15:39	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 15:39	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 15:39	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 15:39	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 15:39	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 15:39	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 15:39	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 15:39	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 15:39	WG1620024
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	02/20/2021 15:39	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 15:39	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 15:39	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 15:39	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 15:39	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 15:39	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 15:39	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 15:39	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 15:39	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 15:39	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 15:39	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 15:39	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 15:39	WG1620024
cis-1,2-Dichloroethene	0.107		0.0276	0.100	1	02/21/2021 12:51	WG1623031
trans-1,2-Dichloroethene	0.0680	<u>J</u>	0.0572	0.200	1	02/20/2021 15:39	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 15:39	WG1620024

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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	02/20/2021 15:39	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 15:39	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 15:39	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 15:39	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 15:39	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 15:39	WG1620024
Ethylbenzene	0.160		0.0212	0.100	1	02/20/2021 15:39	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 15:39	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 15:39	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 15:39	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 15:39	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 15:39	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 15:39	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 15:39	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 15:39	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 15:39	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 15:39	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 15:39	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 15:39	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 15:39	WG1620024
Tetrachloroethene	U		0.0280	0.100	1	02/20/2021 15:39	WG1620024
Toluene	0.918		0.0500	0.200	1	02/20/2021 15:39	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 15:39	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 15:39	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 15:39	WG1620024
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/20/2021 15:39	WG1620024
Trichloroethene	U		0.0160	0.0400	1	02/20/2021 15:39	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 15:39	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 15:39	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 15:39	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 15:39	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 15:39	WG1620024
Vinyl chloride	2.48		0.0273	0.100	1	02/21/2021 12:51	WG1623031
Xylenes, Total	1.02		0.191	0.260	1	02/20/2021 15:39	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 15:39	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 15:39	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 15:39	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 15:39	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 15:39	WG1620024
(S) Toluene-d8	118			75.0-131		02/20/2021 15:39	WG1620024
(S) Toluene-d8	93.7			75.0-131		02/21/2021 12:51	WG1623031
(S) 4-Bromofluorobenzene	105			67.0-138		02/20/2021 15:39	WG1620024
(S) 4-Bromofluorobenzene	103			67.0-138		02/21/2021 12:51	WG1623031
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/20/2021 15:39	WG1620024
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/21/2021 12:51	WG1623031



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	11000		594	5000	1	02/17/2021 18:39	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	955	<u>B J</u>	102	1000	1	02/16/2021 21:19	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	382		28.1	100	1	02/17/2021 14:52	WG1619786
Manganese	313		0.704	5.00	1	02/17/2021 14:52	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	103		0.287	0.678	1	02/21/2021 09:26	WG1622728
Ethane	U		0.296	1.29	1	02/21/2021 09:26	WG1622728
Ethene	U		0.422	1.27	1	02/21/2021 09:26	WG1622728

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	02/20/2021 15:58	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 15:58	WG1620024
Benzene	0.0200	<u>J</u>	0.0160	0.0400	1	02/20/2021 15:58	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 15:58	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 15:58	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 15:58	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 15:58	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 15:58	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 15:58	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 15:58	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 15:58	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 15:58	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 15:58	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 15:58	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 15:58	WG1620024
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	02/20/2021 15:58	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 15:58	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 15:58	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 15:58	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 15:58	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 15:58	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 15:58	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 15:58	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 15:58	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 15:58	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 15:58	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 15:58	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 15:58	WG1620024
cis-1,2-Dichloroethene	0.105		0.0276	0.100	1	02/21/2021 13:10	WG1623031
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/20/2021 15:58	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 15:58	WG1620024

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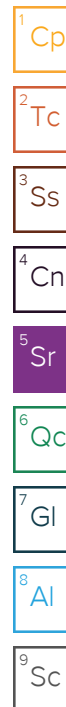


Collected date/time: 02/09/21 09:40

L1315830

Volatile Organic 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	02/20/2021 15:58	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 15:58	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 15:58	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 15:58	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 15:58	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 15:58	WG1620024
Ethylbenzene	0.147		0.0212	0.100	1	02/20/2021 15:58	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 15:58	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 15:58	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 15:58	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 15:58	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 15:58	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 15:58	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 15:58	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 15:58	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 15:58	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 15:58	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 15:58	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 15:58	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 15:58	WG1620024
Tetrachloroethene	U		0.0280	0.100	1	02/20/2021 15:58	WG1620024
Toluene	0.860		0.0500	0.200	1	02/20/2021 15:58	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 15:58	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 15:58	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 15:58	WG1620024
1,1,2-Trichloroethane	U	~~14~~	0.0353	0.100	1	02/20/2021 15:58	WG1620024
Trichloroethene	U		0.0160	0.0400	1	02/20/2021 15:58	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 15:58	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 15:58	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 15:58	WG1620024
1,2,3-Trimethylbenzene	U	~~14~~	0.0460	0.200	1	02/20/2021 15:58	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 15:58	WG1620024
Vinyl chloride	2.42		0.0273	0.100	1	02/21/2021 13:10	WG1623031
Xylenes, Total	1.01		0.191	0.260	1	02/20/2021 15:58	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 15:58	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 15:58	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 15:58	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 15:58	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 15:58	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 15:58	WG1620024
(S) Toluene-d8	91.6			75.0-131		02/21/2021 13:10	WG1623031
(S) 4-Bromofluorobenzene	107			67.0-138		02/20/2021 15:58	WG1620024
(S) 4-Bromofluorobenzene	108			67.0-138		02/21/2021 13:10	WG1623031
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/20/2021 15:58	WG1620024
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/21/2021 13:10	WG1623031



JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	25800		594	5000	1	02/17/2021 18:52	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	5750		102	1000	1	02/16/2021 22:10	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	15000		281	1000	10	02/17/2021 16:03	WG1619786
Manganese	2090		0.704	5.00	1	02/17/2021 14:55	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3510		0.287	0.678	1	02/21/2021 09:34	WG1622728
Ethane	64.7		0.296	1.29	1	02/21/2021 09:34	WG1622728
Ethene	21.3		0.422	1.27	1	02/21/2021 09:34	WG1622728

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		2.74	5.00	5	02/20/2021 16:16	WG1620024
Acrylonitrile	U		0.380	2.50	5	02/20/2021 16:16	WG1620024
Benzene	2.89		0.0800	0.200	5	02/20/2021 16:16	WG1620024
Bromobenzene	U		0.210	2.50	5	02/20/2021 16:16	WG1620024
Bromodichloromethane	U		0.158	0.500	5	02/20/2021 16:16	WG1620024
Bromoform	U		1.20	5.00	5	02/20/2021 16:16	WG1620024
Bromomethane	U		0.740	2.50	5	02/20/2021 16:16	WG1620024
n-Butylbenzene	U		0.765	2.50	5	02/20/2021 16:16	WG1620024
sec-Butylbenzene	U		0.505	2.50	5	02/20/2021 16:16	WG1620024
tert-Butylbenzene	U		0.310	1.00	5	02/20/2021 16:16	WG1620024
Carbon tetrachloride	U		0.216	1.00	5	02/20/2021 16:16	WG1620024
Chlorobenzene	U		0.115	0.500	5	02/20/2021 16:16	WG1620024
Chlorodibromomethane	U		0.0900	0.500	5	02/20/2021 16:16	WG1620024
Chloroethane	U		0.216	1.00	5	02/20/2021 16:16	WG1620024
Chloroform	U		0.0830	0.500	5	02/20/2021 16:16	WG1620024
Chloromethane	U		0.278	2.50	5	02/20/2021 16:16	WG1620024
2-Chlorotoluene	U		0.184	0.500	5	02/20/2021 16:16	WG1620024
4-Chlorotoluene	U		0.226	1.00	5	02/20/2021 16:16	WG1620024
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	02/20/2021 16:16	WG1620024
1,2-Dibromoethane	U		0.105	0.500	5	02/20/2021 16:16	WG1620024
Dibromomethane	U		0.200	1.00	5	02/20/2021 16:16	WG1620024
1,2-Dichlorobenzene	U		0.290	1.00	5	02/20/2021 16:16	WG1620024
1,3-Dichlorobenzene	U		0.340	1.00	5	02/20/2021 16:16	WG1620024
1,4-Dichlorobenzene	U		0.394	1.00	5	02/20/2021 16:16	WG1620024
Dichlorodifluoromethane	U		0.164	0.500	5	02/20/2021 16:16	WG1620024
1,1-Dichloroethane	U		0.115	0.500	5	02/20/2021 16:16	WG1620024
1,2-Dichloroethane	U		0.0950	0.500	5	02/20/2021 16:16	WG1620024
1,1-Dichloroethene	1.25		0.100	0.500	5	02/20/2021 16:16	WG1620024
cis-1,2-Dichloroethene	269		0.138	0.500	5	02/20/2021 16:16	WG1620024
trans-1,2-Dichloroethene	1.48		0.286	1.00	5	02/20/2021 16:16	WG1620024
1,2-Dichloropropane	U		0.254	1.00	5	02/20/2021 16:16	WG1620024

JC 02/23/2021



Collected date/time: 02/09/21 10:15

L1315830

Volatile Organic 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	02/20/2021 16:16	WG1620024
1,3-Dichloropropane	U		0.350	1.00	5	02/20/2021 16:16	WG1620024
cis-1,3-Dichloropropene	U		0.136	0.500	5	02/20/2021 16:16	WG1620024
trans-1,3-Dichloropropene	U		0.306	1.00	5	02/20/2021 16:16	WG1620024
2,2-Dichloropropane	U		0.159	0.500	5	02/20/2021 16:16	WG1620024
Di-isopropyl ether	U		0.0700	0.200	5	02/20/2021 16:16	WG1620024
Ethylbenzene	U		0.106	0.500	5	02/20/2021 16:16	WG1620024
Hexachloro-1,3-butadiene	U		2.54	5.00	5	02/20/2021 16:16	WG1620024
Isopropylbenzene	U		0.173	0.500	5	02/20/2021 16:16	WG1620024
p-Isopropyltoluene	U		0.466	1.00	5	02/20/2021 16:16	WG1620024
2-Butanone (MEK)	U		2.50	5.00	5	02/20/2021 16:16	WG1620024
Methylene Chloride	U		1.33	5.00	5	02/20/2021 16:16	WG1620024
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	02/20/2021 16:16	WG1620024
Methyl tert-butyl ether	U		0.0590	0.200	5	02/20/2021 16:16	WG1620024
Naphthalene	U		0.620	2.50	5	02/20/2021 16:16	WG1620024
n-Propylbenzene	U		0.236	1.00	5	02/20/2021 16:16	WG1620024
Styrene	U		0.545	2.50	5	02/20/2021 16:16	WG1620024
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	02/20/2021 16:16	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	02/20/2021 16:16	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	02/20/2021 16:16	WG1620024
Tetrachloroethene	238	J+ C5	0.140	0.500	5	02/20/2021 16:16	WG1620024
Toluene	0.440	J	0.250	1.00	5	02/20/2021 16:16	WG1620024
1,2,3-Trichlorobenzene	U		0.125	2.50	5	02/20/2021 16:16	WG1620024
1,2,4-Trichlorobenzene	U		0.965	2.50	5	02/20/2021 16:16	WG1620024
1,1,1-Trichloroethane	U		0.0550	0.500	5	02/20/2021 16:16	WG1620024
1,1,2-Trichloroethane	U	J4	0.177	0.500	5	02/20/2021 16:16	WG1620024
Trichloroethene	106		0.0800	0.200	5	02/20/2021 16:16	WG1620024
Trichlorofluoromethane	U		0.100	0.500	5	02/20/2021 16:16	WG1620024
1,2,3-Trichloropropane	U		1.02	2.50	5	02/20/2021 16:16	WG1620024
1,2,4-Trimethylbenzene	U		0.232	1.00	5	02/20/2021 16:16	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.230	1.00	5	02/20/2021 16:16	WG1620024
1,3,5-Trimethylbenzene	U		0.216	1.00	5	02/20/2021 16:16	WG1620024
Vinyl chloride	172	J+ C5	0.137	0.500	5	02/20/2021 16:16	WG1620024
Xylenes, Total	U		0.955	1.30	5	02/20/2021 16:16	WG1620024
Ethyl Ether	U		0.0850	0.500	5	02/20/2021 16:16	WG1620024
Tetrahydrofuran	U		0.450	2.50	5	02/20/2021 16:16	WG1620024
Iodomethane	U		1.21	2.50	5	02/20/2021 16:16	WG1620024
Allyl chloride	U		2.90	5.00	5	02/20/2021 16:16	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	02/20/2021 16:16	WG1620024
(S) Toluene-d8	118			75.0-131		02/20/2021 16:16	WG1620024
(S) 4-Bromofluorobenzene	106			67.0-138		02/20/2021 16:16	WG1620024
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/20/2021 16:16	WG1620024

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	696	J	594	5000	1	02/17/2021 19:05	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	6650		102	1000	1	02/16/2021 22:25	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9950		281	1000	10	02/17/2021 16:06	WG1619786
Manganese	3140		0.704	5.00	1	02/17/2021 15:05	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4220		0.287	0.678	1	02/21/2021 09:36	WG1622728
Ethane	16.4		0.296	1.29	1	02/21/2021 09:36	WG1622728
Ethene	U		0.422	1.27	1	02/21/2021 09:36	WG1622728

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	02/20/2021 16:35	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 16:35	WG1620024
Benzene	0.0520		0.0160	0.0400	1	02/20/2021 16:35	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 16:35	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 16:35	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 16:35	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 16:35	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 16:35	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 16:35	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 16:35	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 16:35	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 16:35	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 16:35	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 16:35	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 16:35	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 16:35	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 16:35	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 16:35	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 16:35	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 16:35	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 16:35	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 16:35	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 16:35	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 16:35	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 16:35	WG1620024
1,1-Dichloroethane	0.0250	J	0.0230	0.100	1	02/20/2021 16:35	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 16:35	WG1620024
1,1-Dichloroethene	0.0420	J	0.0200	0.100	1	02/20/2021 16:35	WG1620024
cis-1,2-Dichloroethene	9.89		0.0276	0.100	1	02/20/2021 16:35	WG1620024
trans-1,2-Dichloroethene	0.125	J	0.0572	0.200	1	02/20/2021 16:35	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 16:35	WG1620024

JC 02/23/2021



Collected date/time: 02/09/21 11:45

L1315830

Volatile Organic 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	02/20/2021 16:35	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 16:35	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 16:35	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 16:35	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 16:35	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 16:35	WG1620024
Ethylbenzene	0.139		0.0212	0.100	1	02/20/2021 16:35	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 16:35	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 16:35	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 16:35	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 16:35	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 16:35	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 16:35	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 16:35	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 16:35	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 16:35	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 16:35	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 16:35	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 16:35	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 16:35	WG1620024
Tetrachloroethene	U		0.0280	0.100	1	02/20/2021 16:35	WG1620024
Toluene	0.634		0.0500	0.200	1	02/20/2021 16:35	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 16:35	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 16:35	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 16:35	WG1620024
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/20/2021 16:35	WG1620024
Trichloroethene	0.0860		0.0160	0.0400	1	02/20/2021 16:35	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 16:35	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 16:35	WG1620024
1,2,4-Trimethylbenzene	0.0710	~~J~~	0.0464	0.200	1	02/20/2021 16:35	WG1620024
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/20/2021 16:35	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 16:35	WG1620024
Vinyl chloride	13.7	J+ ~~C5~~	0.0273	0.100	1	02/20/2021 16:35	WG1620024
Xylenes, Total	0.791		0.191	0.260	1	02/20/2021 16:35	WG1620024
Ethyl Ether	0.231		0.0170	0.100	1	02/20/2021 16:35	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 16:35	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 16:35	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 16:35	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 16:35	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 16:35	WG1620024
(S) 4-Bromofluorobenzene	102			67.0-138		02/20/2021 16:35	WG1620024
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		02/20/2021 16:35	WG1620024

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

JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	36800		594	5000	1	02/17/2021 19:18	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	4330		102	1000	1	02/16/2021 22:37	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2440		140	500	5	02/17/2021 16:09	WG1619786
Manganese	659		0.704	5.00	1	02/17/2021 15:08	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4050		0.287	0.678	1	02/21/2021 09:39	WG1622728
Ethane	U		0.296	1.29	1	02/21/2021 09:39	WG1622728
Ethene	302		0.422	1.27	1	02/21/2021 09:39	WG1622728

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		27.4	50.0	50	02/20/2021 16:54	WG1620024
Acrylonitrile	U		3.80	25.0	50	02/20/2021 16:54	WG1620024
Benzene	U		0.800	2.00	50	02/20/2021 16:54	WG1620024
Bromobenzene	U		2.10	25.0	50	02/20/2021 16:54	WG1620024
Bromodichloromethane	U		1.58	5.00	50	02/20/2021 16:54	WG1620024
Bromoform	U		12.0	50.0	50	02/20/2021 16:54	WG1620024
Bromomethane	U		7.40	25.0	50	02/20/2021 16:54	WG1620024
n-Butylbenzene	U		7.65	25.0	50	02/20/2021 16:54	WG1620024
sec-Butylbenzene	U		5.05	25.0	50	02/20/2021 16:54	WG1620024
tert-Butylbenzene	U		3.10	10.0	50	02/20/2021 16:54	WG1620024
Carbon tetrachloride	U		2.16	10.0	50	02/20/2021 16:54	WG1620024
Chlorobenzene	U		1.15	5.00	50	02/20/2021 16:54	WG1620024
Chlorodibromomethane	U		0.900	5.00	50	02/20/2021 16:54	WG1620024
Chloroethane	U		2.16	10.0	50	02/20/2021 16:54	WG1620024
Chloroform	U		0.830	5.00	50	02/20/2021 16:54	WG1620024
Chloromethane	U	J4	2.78	25.0	50	02/20/2021 16:54	WG1620024
2-Chlorotoluene	U		1.84	5.00	50	02/20/2021 16:54	WG1620024
4-Chlorotoluene	U		2.26	10.0	50	02/20/2021 16:54	WG1620024
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	02/20/2021 16:54	WG1620024
1,2-Dibromoethane	U		1.05	5.00	50	02/20/2021 16:54	WG1620024
Dibromomethane	U		2.00	10.0	50	02/20/2021 16:54	WG1620024
1,2-Dichlorobenzene	U		2.90	10.0	50	02/20/2021 16:54	WG1620024
1,3-Dichlorobenzene	U		3.40	10.0	50	02/20/2021 16:54	WG1620024
1,4-Dichlorobenzene	U		3.94	10.0	50	02/20/2021 16:54	WG1620024
Dichlorodifluoromethane	U		1.64	5.00	50	02/20/2021 16:54	WG1620024
1,1-Dichloroethane	U		1.15	5.00	50	02/20/2021 16:54	WG1620024
1,2-Dichloroethane	U		0.950	5.00	50	02/20/2021 16:54	WG1620024
1,1-Dichloroethene	3.20	J	1.00	5.00	50	02/20/2021 16:54	WG1620024
cis-1,2-Dichloroethene	1750		1.38	5.00	50	02/20/2021 16:54	WG1620024
trans-1,2-Dichloroethene	7.80	J	2.86	10.0	50	02/20/2021 16:54	WG1620024
1,2-Dichloropropane	U		2.54	10.0	50	02/20/2021 16:54	WG1620024

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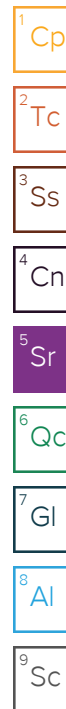


Collected date/time: 02/09/21 12:25

L1315830

Volatile Organic 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	02/20/2021 16:54	WG1620024
1,3-Dichloropropane	U		3.50	10.0	50	02/20/2021 16:54	WG1620024
cis-1,3-Dichloropropene	U		1.36	5.00	50	02/20/2021 16:54	WG1620024
trans-1,3-Dichloropropene	U		3.06	10.0	50	02/20/2021 16:54	WG1620024
2,2-Dichloropropane	U		1.59	5.00	50	02/20/2021 16:54	WG1620024
Di-isopropyl ether	U		0.700	2.00	50	02/20/2021 16:54	WG1620024
Ethylbenzene	U		1.06	5.00	50	02/20/2021 16:54	WG1620024
Hexachloro-1,3-butadiene	U		25.4	50.0	50	02/20/2021 16:54	WG1620024
Isopropylbenzene	U		1.73	5.00	50	02/20/2021 16:54	WG1620024
p-Isopropyltoluene	U		4.66	10.0	50	02/20/2021 16:54	WG1620024
2-Butanone (MEK)	U		25.0	50.0	50	02/20/2021 16:54	WG1620024
Methylene Chloride	U		13.3	50.0	50	02/20/2021 16:54	WG1620024
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	02/20/2021 16:54	WG1620024
Methyl tert-butyl ether	U		0.590	2.00	50	02/20/2021 16:54	WG1620024
Naphthalene	U		6.20	25.0	50	02/20/2021 16:54	WG1620024
n-Propylbenzene	U		2.36	10.0	50	02/20/2021 16:54	WG1620024
Styrene	U		5.45	25.0	50	02/20/2021 16:54	WG1620024
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	02/20/2021 16:54	WG1620024
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	02/20/2021 16:54	WG1620024
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	02/20/2021 16:54	WG1620024
Tetrachloroethene	U		1.40	5.00	50	02/20/2021 16:54	WG1620024
Toluene	U		2.50	10.0	50	02/20/2021 16:54	WG1620024
1,2,3-Trichlorobenzene	U		1.25	25.0	50	02/20/2021 16:54	WG1620024
1,2,4-Trichlorobenzene	U		9.65	25.0	50	02/20/2021 16:54	WG1620024
1,1,1-Trichloroethane	U		0.550	5.00	50	02/20/2021 16:54	WG1620024
1,1,2-Trichloroethane	U	~~14~~	1.77	5.00	50	02/20/2021 16:54	WG1620024
Trichloroethene	9.90		0.800	2.00	50	02/20/2021 16:54	WG1620024
Trichlorofluoromethane	U		1.00	5.00	50	02/20/2021 16:54	WG1620024
1,2,3-Trichloropropane	U		10.2	25.0	50	02/20/2021 16:54	WG1620024
1,2,4-Trimethylbenzene	U		2.32	10.0	50	02/20/2021 16:54	WG1620024
1,2,3-Trimethylbenzene	U	~~14~~	2.30	10.0	50	02/20/2021 16:54	WG1620024
1,3,5-Trimethylbenzene	U		2.16	10.0	50	02/20/2021 16:54	WG1620024
Vinyl chloride	3450	J+ C5	1.36	5.00	50	02/20/2021 16:54	WG1620024
Xylenes, Total	U		9.55	13.0	50	02/20/2021 16:54	WG1620024
Ethyl Ether	U		0.850	5.00	50	02/20/2021 16:54	WG1620024
Tetrahydrofuran	U		4.50	25.0	50	02/20/2021 16:54	WG1620024
Iodomethane	U		12.1	25.0	50	02/20/2021 16:54	WG1620024
Allyl chloride	U		29.0	50.0	50	02/20/2021 16:54	WG1620024
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	02/20/2021 16:54	WG1620024
(S) Toluene-d8	120			75.0-131		02/20/2021 16:54	WG1620024
(S) 4-Bromofluorobenzene	103			67.0-138		02/20/2021 16:54	WG1620024
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		02/20/2021 16:54	WG1620024



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	79600		2970	25000	5	02/17/2021 19:31	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	3080		102	1000	1	02/16/2021 22:51	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1170		28.1	100	1	02/17/2021 15:11	WG1619786
Manganese	2790		0.704	5.00	1	02/17/2021 15:11	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1660		0.287	0.678	1	02/21/2021 09:41	WG1622728
Ethane	U		0.296	1.29	1	02/21/2021 09:41	WG1622728
Ethene	U		0.422	1.27	1	02/21/2021 09:41	WG1622728

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	02/20/2021 17:13	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 17:13	WG1620024
Benzene	0.125		0.0160	0.0400	1	02/20/2021 17:13	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 17:13	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 17:13	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 17:13	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 17:13	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 17:13	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 17:13	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 17:13	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 17:13	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 17:13	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 17:13	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 17:13	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 17:13	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 17:13	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 17:13	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 17:13	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 17:13	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 17:13	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 17:13	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 17:13	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 17:13	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 17:13	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 17:13	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 17:13	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 17:13	WG1620024
1,1-Dichloroethene	3.21		0.0200	0.100	1	02/20/2021 17:13	WG1620024
cis-1,2-Dichloroethene	401		0.690	2.50	25	02/21/2021 13:48	WG1623031
trans-1,2-Dichloroethene	2.99		0.0572	0.200	1	02/20/2021 17:13	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 17:13	WG1620024

JC 02/23/2021



Collected date/time: 02/09/21 13:45

L1315830

Volatile Organic 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	02/20/2021 17:13	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 17:13	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 17:13	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 17:13	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 17:13	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 17:13	WG1620024
Ethylbenzene	0.158		0.0212	0.100	1	02/20/2021 17:13	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 17:13	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 17:13	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 17:13	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 17:13	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 17:13	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 17:13	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 17:13	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 17:13	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 17:13	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 17:13	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 17:13	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 17:13	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 17:13	WG1620024
Tetrachloroethene	602		0.700	2.50	25	02/21/2021 13:48	WG1623031
Toluene	0.784		0.0500	0.200	1	02/20/2021 17:13	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 17:13	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 17:13	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 17:13	WG1620024
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/20/2021 17:13	WG1620024
Trichloroethene	302	J+ ~~J4~~	0.400	1.00	25	02/21/2021 13:48	WG1623031
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 17:13	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 17:13	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 17:13	WG1620024
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/20/2021 17:13	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 17:13	WG1620024
Vinyl chloride	0.833	J+ ~~C5~~	0.0273	0.100	1	02/20/2021 17:13	WG1620024
Xylenes, Total	0.791		0.191	0.260	1	02/20/2021 17:13	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 17:13	WG1620024
Tetrahydrofuran	0.805		0.0900	0.500	1	02/20/2021 17:13	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 17:13	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 17:13	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 17:13	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 17:13	WG1620024
(S) Toluene-d8	92.7			75.0-131		02/21/2021 13:48	WG1623031
(S) 4-Bromofluorobenzene	107			67.0-138		02/20/2021 17:13	WG1620024
(S) 4-Bromofluorobenzene	107			67.0-138		02/21/2021 13:48	WG1623031
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/20/2021 17:13	WG1620024
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/21/2021 13:48	WG1623031

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

JC 02/23/2021



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	U		0.548	1.00	1	02/20/2021 17:32	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 17:32	WG1620024
Benzene	0.0680		0.0160	0.0400	1	02/20/2021 17:32	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 17:32	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 17:32	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 17:32	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 17:32	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 17:32	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 17:32	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 17:32	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 17:32	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 17:32	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 17:32	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 17:32	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 17:32	WG1620024
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/20/2021 17:32	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 17:32	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 17:32	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 17:32	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 17:32	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 17:32	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 17:32	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 17:32	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 17:32	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 17:32	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 17:32	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 17:32	WG1620024
1,1-Dichloroethene	U		0.0200	0.100	1	02/20/2021 17:32	WG1620024
cis-1,2-Dichloroethene	3.40		0.0276	0.100	1	02/21/2021 13:29	WG1623031
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/20/2021 17:32	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 17:32	WG1620024
1,1-Dichloropropene	U		0.0280	0.100	1	02/20/2021 17:32	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 17:32	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 17:32	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 17:32	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 17:32	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 17:32	WG1620024
Ethylbenzene	0.0570	J	0.0212	0.100	1	02/20/2021 17:32	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 17:32	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 17:32	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 17:32	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 17:32	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 17:32	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 17:32	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 17:32	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 17:32	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 17:32	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 17:32	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 17:32	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 17:32	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 17:32	WG1620024
Tetrachloroethene	0.183		0.0280	0.100	1	02/21/2021 13:29	WG1623031
Toluene	0.540		0.0500	0.200	1	02/20/2021 17:32	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 17:32	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 17:32	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 17:32	WG1620024

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 02/23/2021



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	~~J4~~	0.0353	0.100	1	02/20/2021 17:32	WG1620024
Trichloroethene	0.263 J+	~~J4~~	0.0160	0.0400	1	02/21/2021 13:29	WG1623031
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 17:32	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 17:32	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 17:32	WG1620024
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/20/2021 17:32	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 17:32	WG1620024
Vinyl chloride	0.182 J+	~~C5~~	0.0273	0.100	1	02/20/2021 17:32	WG1620024
Xylenes, Total	0.427		0.191	0.260	1	02/20/2021 17:32	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 17:32	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 17:32	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 17:32	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 17:32	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 17:32	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 17:32	WG1620024
(S) Toluene-d8	91.5			75.0-131		02/21/2021 13:29	WG1623031
(S) 4-Bromofluorobenzene	107			67.0-138		02/20/2021 17:32	WG1620024
(S) 4-Bromofluorobenzene	107			67.0-138		02/21/2021 13:29	WG1623031
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/20/2021 17:32	WG1620024
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 13:29	WG1623031

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	25400		594	5000	1	02/17/2021 19:44	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	1440	B	102	1000	1	02/16/2021 23:04	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4380		140	500	5	02/17/2021 16:12	WG1619786
Manganese	429		0.704	5.00	1	02/17/2021 15:15	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	452		0.287	0.678	1	02/21/2021 09:43	WG1622728
Ethane	43.5		0.296	1.29	1	02/21/2021 09:43	WG1622728
Ethene	26.1		0.422	1.27	1	02/21/2021 09:43	WG1622728

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	02/20/2021 17:51	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 17:51	WG1620024
Benzene	0.0420		0.0160	0.0400	1	02/20/2021 17:51	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 17:51	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 17:51	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 17:51	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 17:51	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 17:51	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 17:51	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 17:51	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 17:51	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 17:51	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 17:51	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 17:51	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 17:51	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 17:51	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 17:51	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 17:51	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 17:51	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 17:51	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 17:51	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 17:51	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 17:51	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 17:51	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 17:51	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 17:51	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 17:51	WG1620024
1,1-Dichloroethene	0.121		0.0200	0.100	1	02/20/2021 17:51	WG1620024
cis-1,2-Dichloroethene	14.5		0.0276	0.100	1	02/20/2021 17:51	WG1620024
trans-1,2-Dichloroethene	0.0720	J	0.0572	0.200	1	02/20/2021 17:51	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 17:51	WG1620024

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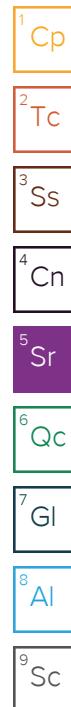


Collected date/time: 02/09/21 15:45

L1315830

Volatile Organic 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	02/20/2021 17:51	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 17:51	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 17:51	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 17:51	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 17:51	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 17:51	WG1620024
Ethylbenzene	0.103		0.0212	0.100	1	02/20/2021 17:51	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 17:51	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 17:51	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 17:51	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 17:51	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 17:51	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 17:51	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 17:51	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 17:51	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 17:51	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 17:51	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 17:51	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 17:51	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 17:51	WG1620024
Tetrachloroethene	0.320	~~U~~	0.140	0.500	5	02/21/2021 14:07	WG1623031
Toluene	0.955		0.0500	0.200	1	02/20/2021 17:51	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 17:51	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 17:51	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 17:51	WG1620024
1,1,2-Trichloroethane	U	~~U~~	0.0353	0.100	1	02/20/2021 17:51	WG1620024
Trichloroethene	U	~~U~~	0.0800	0.200	5	02/21/2021 14:07	WG1623031
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 17:51	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 17:51	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 17:51	WG1620024
1,2,3-Trimethylbenzene	U	~~U~~	0.0460	0.200	1	02/20/2021 17:51	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 17:51	WG1620024
Vinyl chloride	112		0.137	0.500	5	02/21/2021 14:07	WG1623031
Xylenes, Total	0.606		0.191	0.260	1	02/20/2021 17:51	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 17:51	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 17:51	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 17:51	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 17:51	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 17:51	WG1620024
(S) Toluene-d8	122			75.0-131		02/20/2021 17:51	WG1620024
(S) Toluene-d8	91.7			75.0-131		02/21/2021 14:07	WG1623031
(S) 4-Bromofluorobenzene	106			67.0-138		02/20/2021 17:51	WG1620024
(S) 4-Bromofluorobenzene	106			67.0-138		02/21/2021 14:07	WG1623031
(S) 1,2-Dichloroethane-d4	98.3			70.0-130		02/20/2021 17:51	WG1620024
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 14:07	WG1623031



JC 02/23/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	31500		594	5000	1	02/17/2021 19:57	WG1621685

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 date / time	Batch
TOC (Total Organic Carbon)	2170		102	1000	1	02/16/2021 23:17	WG1621637

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2970		140	500	5	02/17/2021 16:16	WG1619786
Manganese	952		0.704	5.00	1	02/17/2021 15:18	WG1619786

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3330		0.287	0.678	1	02/21/2021 09:45	WG1622728
Ethane	U		0.296	1.29	1	02/21/2021 09:45	WG1622728
Ethene	239		0.422	1.27	1	02/21/2021 09:45	WG1622728

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.21	C5	0.548	1.00	1	02/20/2021 15:20	WG1620024
Acrylonitrile	U		0.0760	0.500	1	02/20/2021 15:20	WG1620024
Benzene	0.105		0.0160	0.0400	1	02/20/2021 15:20	WG1620024
Bromobenzene	U		0.0420	0.500	1	02/20/2021 15:20	WG1620024
Bromodichloromethane	U		0.0315	0.100	1	02/20/2021 15:20	WG1620024
Bromoform	U		0.239	1.00	1	02/20/2021 15:20	WG1620024
Bromomethane	U		0.148	0.500	1	02/20/2021 15:20	WG1620024
n-Butylbenzene	U		0.153	0.500	1	02/20/2021 15:20	WG1620024
sec-Butylbenzene	U		0.101	0.500	1	02/20/2021 15:20	WG1620024
tert-Butylbenzene	U		0.0620	0.200	1	02/20/2021 15:20	WG1620024
Carbon tetrachloride	U		0.0432	0.200	1	02/20/2021 15:20	WG1620024
Chlorobenzene	U		0.0229	0.100	1	02/20/2021 15:20	WG1620024
Chlorodibromomethane	U		0.0180	0.100	1	02/20/2021 15:20	WG1620024
Chloroethane	U		0.0432	0.200	1	02/20/2021 15:20	WG1620024
Chloroform	U		0.0166	0.100	1	02/20/2021 15:20	WG1620024
Chloromethane	U	J4	0.0556	0.500	1	02/20/2021 15:20	WG1620024
2-Chlorotoluene	U		0.0368	0.100	1	02/20/2021 15:20	WG1620024
4-Chlorotoluene	U		0.0452	0.200	1	02/20/2021 15:20	WG1620024
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/20/2021 15:20	WG1620024
1,2-Dibromoethane	U		0.0210	0.100	1	02/20/2021 15:20	WG1620024
Dibromomethane	U		0.0400	0.200	1	02/20/2021 15:20	WG1620024
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/20/2021 15:20	WG1620024
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/20/2021 15:20	WG1620024
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/20/2021 15:20	WG1620024
Dichlorodifluoromethane	U		0.0327	0.100	1	02/20/2021 15:20	WG1620024
1,1-Dichloroethane	U		0.0230	0.100	1	02/20/2021 15:20	WG1620024
1,2-Dichloroethane	U		0.0190	0.100	1	02/20/2021 15:20	WG1620024
1,1-Dichloroethene	3.02		0.0200	0.100	1	02/20/2021 15:20	WG1620024
cis-1,2-Dichloroethene	2690		5.52	20.0	200	02/21/2021 14:26	WG1623031
trans-1,2-Dichloroethene	8.01		0.0572	0.200	1	02/20/2021 15:20	WG1620024
1,2-Dichloropropane	U		0.0508	0.200	1	02/20/2021 15:20	WG1620024

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02/23/2021

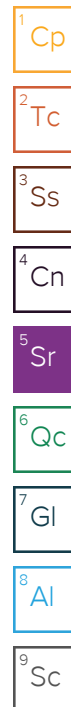


Collected date/time: 02/08/21 15:30

L1315830

Volatile Organic 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	02/20/2021 15:20	WG1620024
1,3-Dichloropropane	U		0.0700	0.200	1	02/20/2021 15:20	WG1620024
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/20/2021 15:20	WG1620024
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/20/2021 15:20	WG1620024
2,2-Dichloropropane	U		0.0317	0.100	1	02/20/2021 15:20	WG1620024
Di-isopropyl ether	U		0.0140	0.0400	1	02/20/2021 15:20	WG1620024
Ethylbenzene	0.183		0.0212	0.100	1	02/20/2021 15:20	WG1620024
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/20/2021 15:20	WG1620024
Isopropylbenzene	U		0.0345	0.100	1	02/20/2021 15:20	WG1620024
p-Isopropyltoluene	U		0.0932	0.200	1	02/20/2021 15:20	WG1620024
2-Butanone (MEK)	U		0.500	1.00	1	02/20/2021 15:20	WG1620024
Methylene Chloride	U		0.265	1.00	1	02/20/2021 15:20	WG1620024
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/20/2021 15:20	WG1620024
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/20/2021 15:20	WG1620024
Naphthalene	U		0.124	0.500	1	02/20/2021 15:20	WG1620024
n-Propylbenzene	U		0.0472	0.200	1	02/20/2021 15:20	WG1620024
Styrene	U		0.109	0.500	1	02/20/2021 15:20	WG1620024
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/20/2021 15:20	WG1620024
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/20/2021 15:20	WG1620024
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/20/2021 15:20	WG1620024
Tetrachloroethene	0.704	J+ C5	0.0280	0.100	1	02/20/2021 15:20	WG1620024
Toluene	1.26		0.0500	0.200	1	02/20/2021 15:20	WG1620024
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/20/2021 15:20	WG1620024
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/20/2021 15:20	WG1620024
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/20/2021 15:20	WG1620024
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/20/2021 15:20	WG1620024
Trichloroethene	3.52		0.0160	0.0400	1	02/20/2021 15:20	WG1620024
Trichlorofluoromethane	U		0.0200	0.100	1	02/20/2021 15:20	WG1620024
1,2,3-Trichloropropane	U		0.204	0.500	1	02/20/2021 15:20	WG1620024
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/20/2021 15:20	WG1620024
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/20/2021 15:20	WG1620024
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/20/2021 15:20	WG1620024
Vinyl chloride	3910		5.46	20.0	200	02/21/2021 14:26	WG1623031
Xylenes, Total	0.958		0.191	0.260	1	02/20/2021 15:20	WG1620024
Ethyl Ether	U		0.0170	0.100	1	02/20/2021 15:20	WG1620024
Tetrahydrofuran	U		0.0900	0.500	1	02/20/2021 15:20	WG1620024
Iodomethane	U		0.242	0.500	1	02/20/2021 15:20	WG1620024
Allyl chloride	U		0.580	1.00	1	02/20/2021 15:20	WG1620024
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/20/2021 15:20	WG1620024
(S) Toluene-d8	119			75.0-131		02/20/2021 15:20	WG1620024
(S) Toluene-d8	93.6			75.0-131		02/21/2021 14:26	WG1623031
(S) 4-Bromofluorobenzene	107			67.0-138		02/20/2021 15:20	WG1620024
(S) 4-Bromofluorobenzene	107			67.0-138		02/21/2021 14:26	WG1623031
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/20/2021 15:20	WG1620024
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/21/2021 14:26	WG1623031



JC 02/23/2021

MEMORANDUM

TO: Project File **DATE:** March 15, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.02.501G and 1413.001.05.601

TASK: EIM Data Validation Level EPA2A for 4th Quarter Monitoring – Groundwater Samples – Group 2

LAB: Pace Sample Delivery Groups (SDGs): L1317227, L1317757, L1318319, and L1318924

Thirty-eight groundwater samples including three field duplicates, and three trip blanks were collected as part of the 1st Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in February 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 2 analytical results are reported in SDGs L1317227, L1317757, L1318319, and L1318924. 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review

(USEPA, 2017). 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 with the following discussion:

- SDG L1318924: The February 17, 2021 (Wednesday) sample shipment to Pace was delayed due to inclement weather on and received on February 23, 2021 (Tuesday). No action was needed since samples were received in good condition and holding time criteria was met.

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 sample was 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

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 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.**
- 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+).**

In some instances, U qualifiers are applied to C5 or C3 qualified results due to a hierarchy for applying qualifiers (e.g., blank contamination qualifier (U) supersedes estimated qualifiers (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 L1317757 (analytical batch WG1623029): A low level of 1,2,3-trichlorobenzene is detected in the method blank. No action is needed since this compound is not detected in the associated sample.
- SDGs L1317757 and L1317757 (analytical batch WG1623108): A low level of 1,2,3-trichlorobenzene is detected in the method blank. No action is needed since this compound is not detected in the associated samples.

- SDG L1318319 (analytical batch WG1624535): A low level of 2-butanone (MEK) is detected in the method blank. No action is needed since this compound is not detected in the associated sample.

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
L1317227	WG1623226	9060A	TOC	293	J	1000	µg/L	NO
L1317757	WG1624159	9060A	TOC	250	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:

Three trip blanks (TB-021221, TB-021921, and TB-021721) were collected and analyzed for VOCs. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

SDG L1317757: Low levels of acetone and tetrahydrofuran are detected in the trip blank (TB-021221). Actions are as follows:

- **Associated tetrahydrofuran detection below the RDL in sample GEI-2-021221 is qualified as not-detected (U).**
- Acetone, a common laboratory contaminant, was detected above the RDL in the trip blank at 4.82 ug/L (RDL is 1.00 ug/L). Several associated sample acetone detections are above the RDL and below the trip blank detection. **Per guidance, acetone detected in samples FMW-137-021221, FMW-131-021221, GEI-2-021221, MW-949-021221, MW-106-021221, and MW115-021221 are qualified as not detected (U) due to blank contamination.**

SDG L1318319: A low level of acetone is detected in the trip blank (TB-021921). Actions are as follows:

- Acetone, a common laboratory contaminant, was detected above the RDL in the trip blank at 4.83 ug/L (RDL is 1.00 ug/L). Associated sample acetone detections are above the RDL and below the trip blank detection. **Per guidance, associated acetone detected results in samples MW-180-021921 and MW-183-021921 are qualified as not detected (U) due to blank contamination.**

SDG L1318924: A low level of acetone is detected in the trip blank (TB-021721). Actions are as follows:

- Acetone, a common laboratory contaminant, was detected above the RDL in the trip blank at 3.06 ug/L (RDL is 1.00 ug/L). Associated sample acetone detections are above the RDL and below the trip blank detection. **Per guidance, associated acetone detected results in samples MW-188-021621, MW-186-021621, MW-187-021621, and MW-950-021721 are qualified as not detected (U) due to blank contamination.**

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

SDG L1317227: One equipment blank (EQ-021121) was collected and submitted for analysis. PES indicated that the equipment blank (for the bladder pump) is associated with five samples (MW105-021121, MW-948-021121, R-MW5-021121, MW-138-021121, and MW112-021121). Target analytes were not detected in the equipment blank sample at or above the RDLs with the following exceptions:

Low levels of TOC, manganese, and VOCs (acetone, 1,2,3-trimethylbenzene, and tetrahydrofuran) were detected in the equipment blank as follows:

Equipment Blank Identification	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
EQ-021121	9060A	TOC	843	BJ	1000	µg/L	NO
EQ-021121	6020B	Manganese	0.988	J	5.00	µg/L	NO
EQ-021121	8260D	Acetone	4.96	C5	1.00	µg/L	YES
EQ-021121	8260D	1,2,3-Trimethylbenzene	0.05	J	0.200	µg/L	NO
EQ-021121	8260D	Tetrahydrofuran	0.229	C3, J	0.500	µg/L	YES

Actions are as follows:

- No action is needed for TOC, manganese, and 1,2,3-trimethylbenzene since these targets were either not detected in the associated samples or detected above the RDL.
- Acetone, a common laboratory contaminant, was detected above the RDL in the trip blank at 4.96 ug/L (RDL is 1.00 ug/L). Associated sample acetone detections are above the RDL and below the trip blank detection. **Per guidance, associated acetone detected results in samples MW105-021121, MW-948-021121, R-MW5-021121, MW-138-**

021121, and MW112-021121, are qualified as not detected (U) due to blank contamination.

- **Associated tetrahydrofuran detections below the RDL in samples R-MW5-021121 and MW112-021121 are qualified as not-detected (U).**

Field Duplicate Analyses

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

- SDG L1317227: MW-948-021121 is a field duplicate of R-MW5-021121
- SDG L1317757: MW-949-021212 is a field duplicate of MW106-021221
- SDG L1318924: MW-950-021721 is a field duplicate of MW-171-021721

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 L1318924: **Field duplicate pair MW-171-021721 and MW-950-021721 chloroethane, cis-1,2-dichloroethene, and vinyl chloride RPD results exceed acceptance criteria and field duplicate results for these compounds are qualified as estimated (J).**
- SDG L1317227: **Field duplicate pair R-MW5-021121 and MW-948-021121 TOC RPD result exceeds criteria. TOC results for the field duplicate pair 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.

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 discussions:

- SDG L1317227 - Analytical batch WG1621779: LCS and/or LCSD % recoveries for chloromethane, 1,1,2-trichloroethane, and 1,2,3-trimethylbenzene are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1317227 - Analytical batch WG1623029: LCS % recoveries for 2,2-dichloropropane and 1,1,2,2-tetrachloroethane were recovered below laboratory acceptance criteria and laboratory qualified (J4). **Associated sample MW113-021021 results are qualified as estimated (UJ/J-).**
- SDG L1317227 - Analytical batch WG1623108: LCS % recoveries for 2,2-dichloropropane and 1,1,2,2-tetrachloroethane are below laboratory acceptance criteria and laboratory qualified (J4). **Associated sample R-MW5-021121, MW-138-021121, MW112-021121, and MW116-021121 results are qualified as estimated (UJ/J-).**
- SDG L1317227 - Analytical batch WG1623108: LCS % recovery for trichloroethene is above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1317757 - Analytical batch WG1623108: LCS % recoveries for 2,2-dichloropropane and 1,1,2,2-tetrachloroethane are below laboratory acceptance criteria and laboratory qualified (J4). **Associated results are qualified as estimated (UJ/J-).**

- SDG L1317757 - Analytical batch WG1623108: LCS % recovery for trichloroethene is above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1317757 - Analytical batch WG1623108: LCS % recoveries for trans-1,2-dichloroethene, 1,1,1-trichloroethane, and trichloroethene are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1318319 - Analytical batch WG1625020: LCS % recoveries for 2,2-dichloropropane, 1,1,1-trichloroethane, 1,2,3-trimethylbenzene, and allyl chloride are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.**
- SDG L1318924 - Analytical batch WG1624822: LCS and/or LCSD % recoveries for acetone, chloromethane 1,2,3-trimethylbenzene, and vinyl chloride are above laboratory acceptance criteria and laboratory qualified (J4). **Associated detections are qualified as estimated (J+). No action is taken on this basis for non-detect results.** LCS/LCSD RPDs for acetone and acrylonitrile are elevated and are laboratory qualified (J3). Recoveries are within but were recovered wide. No action is taken in these cases.

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:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS and field duplicate results for precision data.

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

MS/MSD analyses were performed on a non-client sample within the analytical batch. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples. In cases where MS/MSD analyses were not performed refer to LCS/LCSD or LCS and/or laboratory duplicate data 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.

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/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 discussion:

- SDG L1317227: Sulfate matrix spike was performed on a non-client sample. Spike results are laboratory qualified (E and EV) to indicate that the sample amount exceeds the upper calibration limit and that the sample concentration exceeds the spike amount. No action is taken for associated samples since the spike was performed on a non-client sample 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

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	5290		594	5000	1	02/21/2021 13:51	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	2490	~~B~~	102	1000	1	02/22/2021 02:46	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2830		28.1	100	1	02/23/2021 10:18	WG1623308
Manganese	627		0.704	5.00	1	02/23/2021 10:18	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	139		0.287	0.678	1	02/23/2021 13:12	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:12	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:12	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.91		0.548	1.00	1	02/17/2021 13:34	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 13:34	WG1621779
Benzene	0.0450		0.0160	0.0400	1	02/17/2021 13:34	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 13:34	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 13:34	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 13:34	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 13:34	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 13:34	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 13:34	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 13:34	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 13:34	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 13:34	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 13:34	WG1621779
Chloroethane	1.20		0.0432	0.200	1	02/17/2021 13:34	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 13:34	WG1621779
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/17/2021 13:34	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 13:34	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 13:34	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 13:34	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 13:34	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 13:34	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 13:34	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 13:34	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 13:34	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 13:34	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 13:34	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 13:34	WG1621779
1,1-Dichloroethene	2.34		0.0200	0.100	1	02/17/2021 13:34	WG1621779
cis-1,2-Dichloroethene	43.9		0.0276	0.100	1	02/17/2021 13:34	WG1621779
trans-1,2-Dichloroethene	1.15		0.0572	0.200	1	02/17/2021 13:34	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 13:34	WG1621779

JC 3/12/2021



Collected date/time: 02/10/21 09:05

L1317227

Volatile Organic 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	02/17/2021 13:34	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 13:34	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 13:34	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 13:34	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 13:34	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 13:34	WG1621779
Ethylbenzene	0.225		0.0212	0.100	1	02/17/2021 13:34	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 13:34	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 13:34	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 13:34	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 13:34	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 13:34	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 13:34	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 13:34	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 13:34	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 13:34	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 13:34	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 13:34	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 13:34	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 13:34	WG1621779
Tetrachloroethene	1.52		0.0280	0.100	1	02/17/2021 13:34	WG1621779
Toluene	2.03		0.0500	0.200	1	02/17/2021 13:34	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 13:34	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 13:34	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 13:34	WG1621779
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/17/2021 13:34	WG1621779
Trichloroethene	29.8		0.0160	0.0400	1	02/17/2021 13:34	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 13:34	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 13:34	WG1621779
1,2,4-Trimethylbenzene	0.0830	~~J~~	0.0464	0.200	1	02/17/2021 13:34	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/17/2021 13:34	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 13:34	WG1621779
Vinyl chloride	9.58		0.0273	0.100	1	02/17/2021 13:34	WG1621779
Xylenes, Total	1.18		0.191	0.260	1	02/17/2021 13:34	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 13:34	WG1621779
Tetrahydrofuran	3.54	J+ C5	0.0900	0.500	1	02/17/2021 13:34	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 13:34	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 13:34	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 13:34	WG1621779
(S) Toluene-d8	118			75.0-131		02/17/2021 13:34	WG1621779
(S) 4-Bromofluorobenzene	104			67.0-138		02/17/2021 13:34	WG1621779
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/17/2021 13:34	WG1621779

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	4610	J	594	5000	1	02/21/2021 21:31	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1090	B	102	1000	1	02/22/2021 03:58	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	49.0	J	28.1	100	1	02/23/2021 08:42	WG1623308
Manganese	12.9		0.704	5.00	1	02/23/2021 08:42	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	02/23/2021 13:14	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:14	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:14	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.65	J+ C5	0.548	1.00	1	02/21/2021 18:32	WG1623029
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 18:32	WG1623029
Benzene	U		0.0160	0.0400	1	02/21/2021 18:32	WG1623029
Bromobenzene	U		0.0420	0.500	1	02/21/2021 18:32	WG1623029
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 18:32	WG1623029
Bromoform	U		0.239	1.00	1	02/21/2021 18:32	WG1623029
Bromomethane	U		0.148	0.500	1	02/21/2021 18:32	WG1623029
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 18:32	WG1623029
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 18:32	WG1623029
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 18:32	WG1623029
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 18:32	WG1623029
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 18:32	WG1623029
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 18:32	WG1623029
Chloroethane	U		0.0432	0.200	1	02/21/2021 18:32	WG1623029
Chloroform	U		0.0166	0.100	1	02/21/2021 18:32	WG1623029
Chloromethane	U		0.0556	0.500	1	02/21/2021 18:32	WG1623029
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 18:32	WG1623029
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 18:32	WG1623029
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 18:32	WG1623029
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 18:32	WG1623029
Dibromomethane	U		0.0400	0.200	1	02/21/2021 18:32	WG1623029
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 18:32	WG1623029
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 18:32	WG1623029
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 18:32	WG1623029
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 18:32	WG1623029
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 18:32	WG1623029
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 18:32	WG1623029
1,1-Dichloroethene	0.0630	J	0.0200	0.100	1	02/21/2021 18:32	WG1623029
cis-1,2-Dichloroethene	39.1		0.0276	0.100	1	02/21/2021 18:32	WG1623029
trans-1,2-Dichloroethene	0.0780	J	0.0572	0.200	1	02/22/2021 18:29	WG1623654
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 18:32	WG1623029

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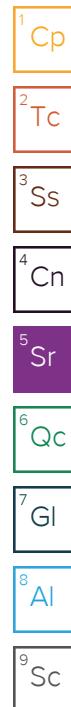


Collected date/time: 02/10/21 09:20

L1317227

Volatile Organic 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	02/21/2021 18:32	WG1623029
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 18:32	WG1623029
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 18:32	WG1623029
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 18:32	WG1623029
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 18:32	WG1623029
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 18:32	WG1623029
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 18:32	WG1623029
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 18:32	WG1623029
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 18:32	WG1623029
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 18:32	WG1623029
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 18:32	WG1623029
Methylene Chloride	U		0.265	1.00	1	02/21/2021 18:32	WG1623029
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 18:32	WG1623029
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 18:32	WG1623029
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 18:32	WG1623029
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 18:32	WG1623029
Styrene	U		0.109	0.500	1	02/21/2021 18:32	WG1623029
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 18:32	WG1623029
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 18:32	WG1623029
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 18:32	WG1623029
Tetrachloroethene	3.04		0.0280	0.100	1	02/21/2021 18:32	WG1623029
Toluene	U		0.0500	0.200	1	02/21/2021 18:32	WG1623029
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 18:32	WG1623029
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 18:32	WG1623029
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 18:29	WG1623654
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 18:32	WG1623029
Trichloroethene	4.18		0.0160	0.0400	1	02/22/2021 18:29	WG1623654
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 18:32	WG1623029
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 18:32	WG1623029
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 18:32	WG1623029
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 18:32	WG1623029
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 18:32	WG1623029
Vinyl chloride	0.0710	J	0.0273	0.100	1	02/21/2021 18:32	WG1623029
Xylenes, Total	U		0.191	0.260	1	02/21/2021 18:32	WG1623029
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 18:32	WG1623029
Tetrahydrofuran	0.183	J C3 J	0.0900	0.500	1	02/21/2021 18:32	WG1623029
Iodomethane	U		0.242	0.500	1	02/21/2021 18:32	WG1623029
Allyl chloride	U		0.580	1.00	1	02/21/2021 18:32	WG1623029
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 18:32	WG1623029
(S) Toluene-d8	91.6			75.0-131		02/21/2021 18:32	WG1623029
(S) Toluene-d8	97.1			75.0-131		02/22/2021 18:29	WG1623654
(S) 4-Bromofluorobenzene	109			67.0-138		02/21/2021 18:32	WG1623029
(S) 4-Bromofluorobenzene	99.3			67.0-138		02/22/2021 18:29	WG1623654
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 18:32	WG1623029
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/22/2021 18:29	WG1623654



JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2460	J	594	5000	1	02/21/2021 21:18	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	7560		102	1000	1	02/22/2021 04:12	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	14400		28.1	100	1	02/23/2021 10:22	WG1623308
Manganese	3270		0.704	5.00	1	02/23/2021 10:22	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3960		0.287	0.678	1	02/23/2021 13:17	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:17	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:17	WG1623952

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	02/17/2021 13:53	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 13:53	WG1621779
Benzene	0.0470		0.0160	0.0400	1	02/17/2021 13:53	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 13:53	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 13:53	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 13:53	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 13:53	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 13:53	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 13:53	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 13:53	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 13:53	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 13:53	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 13:53	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 13:53	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 13:53	WG1621779
Chloromethane	U	J4	0.0556	0.500	1	02/17/2021 13:53	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 13:53	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 13:53	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 13:53	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 13:53	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 13:53	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 13:53	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 13:53	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 13:53	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 13:53	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 13:53	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 13:53	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 13:53	WG1621779
cis-1,2-Dichloroethene	6.05		0.0276	0.100	1	02/17/2021 13:53	WG1621779
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/17/2021 13:53	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 13:53	WG1621779

JC 3/12/2021



Collected date/time: 02/10/21 10:10

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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	02/17/2021 13:53	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 13:53	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 13:53	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 13:53	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 13:53	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 13:53	WG1621779
Ethylbenzene	U		0.0212	0.100	1	02/17/2021 13:53	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 13:53	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 13:53	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 13:53	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 13:53	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 13:53	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 13:53	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 13:53	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 13:53	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 13:53	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 13:53	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 13:53	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 13:53	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 13:53	WG1621779
Tetrachloroethene	0.0410	J	0.0280	0.100	1	02/17/2021 13:53	WG1621779
Toluene	U		0.0500	0.200	1	02/17/2021 13:53	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 13:53	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 13:53	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 13:53	WG1621779
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/17/2021 13:53	WG1621779
Trichloroethene	0.511		0.0160	0.0400	1	02/17/2021 13:53	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 13:53	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 13:53	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 13:53	WG1621779
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/17/2021 13:53	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 13:53	WG1621779
Vinyl chloride	0.134		0.0273	0.100	1	02/17/2021 13:53	WG1621779
Xylenes, Total	U		0.191	0.260	1	02/17/2021 13:53	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 13:53	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 13:53	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 13:53	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 13:53	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 13:53	WG1621779
(S) Toluene-d8	121			75.0-131		02/17/2021 13:53	WG1621779
(S) 4-Bromofluorobenzene	103			67.0-138		02/17/2021 13:53	WG1621779
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		02/17/2021 13:53	WG1621779

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 date / time	Batch
Sulfate	4170	J	594	5000	1	02/21/2021 14:46	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1330	B	102	1000	1	02/22/2021 04:41	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	152		28.1	100	1	02/23/2021 10:25	WG1623308
Manganese	14.5		0.704	5.00	1	02/23/2021 10:25	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	02/23/2021 13:19	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:19	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:19	WG1623952

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

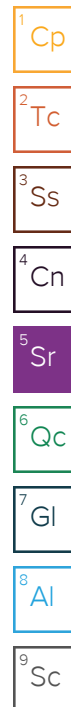
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.56		0.548	1.00	1	02/17/2021 14:12	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 14:12	WG1621779
Benzene	U		0.0160	0.0400	1	02/17/2021 14:12	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 14:12	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 14:12	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 14:12	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 14:12	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 14:12	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 14:12	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 14:12	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 14:12	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 14:12	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 14:12	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 14:12	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 14:12	WG1621779
Chloromethane	U	J4	0.0556	0.500	1	02/17/2021 14:12	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 14:12	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 14:12	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 14:12	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 14:12	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 14:12	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 14:12	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 14:12	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 14:12	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 14:12	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 14:12	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 14:12	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 14:12	WG1621779
cis-1,2-Dichloroethene	42.5		0.0276	0.100	1	02/17/2021 14:12	WG1621779
trans-1,2-Dichloroethene	0.276		0.0572	0.200	1	02/17/2021 14:12	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 14:12	WG1621779

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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	02/17/2021 14:12	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 14:12	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 14:12	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 14:12	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 14:12	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 14:12	WG1621779
Ethylbenzene	U		0.0212	0.100	1	02/17/2021 14:12	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 14:12	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 14:12	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 14:12	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 14:12	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 14:12	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 14:12	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 14:12	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 14:12	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 14:12	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 14:12	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 14:12	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 14:12	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 14:12	WG1621779
Tetrachloroethene	2.42		0.0280	0.100	1	02/17/2021 14:12	WG1621779
Toluene	U		0.0500	0.200	1	02/17/2021 14:12	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 14:12	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 14:12	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 14:12	WG1621779
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/17/2021 14:12	WG1621779
Trichloroethene	4.97		0.0160	0.0400	1	02/17/2021 14:12	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 14:12	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 14:12	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 14:12	WG1621779
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/17/2021 14:12	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 14:12	WG1621779
Vinyl chloride	U		0.0273	0.100	1	02/17/2021 14:12	WG1621779
Xylenes, Total	U		0.191	0.260	1	02/17/2021 14:12	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 14:12	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 14:12	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 14:12	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 14:12	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 14:12	WG1621779
(S) Toluene-d8	119			75.0-131		02/17/2021 14:12	WG1621779
(S) 4-Bromofluorobenzene	105			67.0-138		02/17/2021 14:12	WG1621779
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/17/2021 14:12	WG1621779



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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	1.64		0.548	1.00	1	02/17/2021 14:31	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 14:31	WG1621779
Benzene	0.0660		0.0160	0.0400	1	02/17/2021 14:31	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 14:31	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 14:31	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 14:31	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 14:31	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 14:31	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 14:31	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 14:31	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 14:31	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 14:31	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 14:31	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 14:31	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 14:31	WG1621779
Chloromethane	U	J4	0.0556	0.500	1	02/17/2021 14:31	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 14:31	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 14:31	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 14:31	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 14:31	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 14:31	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 14:31	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 14:31	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 14:31	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 14:31	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 14:31	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 14:31	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 14:31	WG1621779
cis-1,2-Dichloroethene	107		0.138	0.500	5	02/20/2021 11:49	WG1622037
trans-1,2-Dichloroethene	0.189	J	0.0572	0.200	1	02/17/2021 14:31	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 14:31	WG1621779
1,1-Dichloropropene	U		0.0280	0.100	1	02/17/2021 14:31	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 14:31	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 14:31	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 14:31	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 14:31	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 14:31	WG1621779
Ethylbenzene	0.0550	J	0.0212	0.100	1	02/17/2021 14:31	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 14:31	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 14:31	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 14:31	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 14:31	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 14:31	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 14:31	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 14:31	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 14:31	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 14:31	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 14:31	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 14:31	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 14:31	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 14:31	WG1621779
Tetrachloroethene	U		0.0280	0.100	1	02/17/2021 14:31	WG1621779
Toluene	0.328		0.0500	0.200	1	02/17/2021 14:31	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 14:31	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 14:31	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 14:31	WG1621779

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	~~J4~~	0.0353	0.100	1	02/17/2021 14:31	WG1621779
Trichloroethene	1.86		0.0160	0.0400	1	02/17/2021 14:31	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 14:31	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 14:31	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 14:31	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/17/2021 14:31	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 14:31	WG1621779
Vinyl chloride	8.18		0.0273	0.100	1	02/17/2021 14:31	WG1621779
Xylenes, Total	0.225	~~J~~	0.191	0.260	1	02/17/2021 14:31	WG1621779
Ethyl Ether	0.0510	~~J~~	0.0170	0.100	1	02/17/2021 14:31	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 14:31	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 14:31	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 14:31	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 14:31	WG1621779
(S) Toluene-d8	119			75.0-131		02/17/2021 14:31	WG1621779
(S) Toluene-d8	119			75.0-131		02/20/2021 11:49	WG1622037
(S) 4-Bromofluorobenzene	105			67.0-138		02/17/2021 14:31	WG1621779
(S) 4-Bromofluorobenzene	105			67.0-138		02/20/2021 11:49	WG1622037
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/17/2021 14:31	WG1621779
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/20/2021 11:49	WG1622037

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 date / time	Batch
Sulfate	6650		594	5000	1	02/21/2021 14:59	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	2600	~~B~~	102	1000	1	02/22/2021 04:53	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	245		28.1	100	1	02/23/2021 10:28	WG1623308
Manganese	262		0.704	5.00	1	02/23/2021 10:28	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	267		0.287	0.678	1	02/23/2021 13:21	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:21	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:21	WG1623952

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

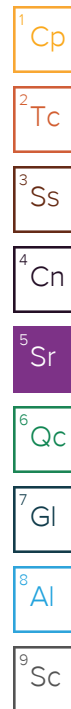
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	02/17/2021 14:50	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 14:50	WG1621779
Benzene	U		0.0160	0.0400	1	02/17/2021 14:50	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 14:50	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 14:50	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 14:50	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 14:50	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 14:50	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 14:50	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 14:50	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 14:50	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 14:50	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 14:50	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 14:50	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 14:50	WG1621779
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/17/2021 14:50	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 14:50	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 14:50	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 14:50	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 14:50	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 14:50	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 14:50	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 14:50	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 14:50	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 14:50	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 14:50	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 14:50	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 14:50	WG1621779
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/17/2021 14:50	WG1621779
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/17/2021 14:50	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 14:50	WG1621779

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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	02/17/2021 14:50	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 14:50	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 14:50	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 14:50	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 14:50	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 14:50	WG1621779
Ethylbenzene	U		0.0212	0.100	1	02/17/2021 14:50	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 14:50	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 14:50	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 14:50	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 14:50	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 14:50	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 14:50	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 14:50	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 14:50	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 14:50	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 14:50	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 14:50	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 14:50	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 14:50	WG1621779
Tetrachloroethene	U		0.0280	0.100	1	02/17/2021 14:50	WG1621779
Toluene	U		0.0500	0.200	1	02/17/2021 14:50	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 14:50	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 14:50	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 14:50	WG1621779
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/17/2021 14:50	WG1621779
Trichloroethene	U		0.0160	0.0400	1	02/17/2021 14:50	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 14:50	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 14:50	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 14:50	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/17/2021 14:50	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 14:50	WG1621779
Vinyl chloride	U		0.0273	0.100	1	02/17/2021 14:50	WG1621779
Xylenes, Total	U		0.191	0.260	1	02/17/2021 14:50	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 14:50	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 14:50	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 14:50	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 14:50	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 14:50	WG1621779
(S) Toluene-d8	120			75.0-131		02/17/2021 14:50	WG1621779
(S) 4-Bromofluorobenzene	103			67.0-138		02/17/2021 14:50	WG1621779
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/17/2021 14:50	WG1621779



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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	U		5.48	10.0	10	02/17/2021 17:21	WG1621779
Acrylonitrile	U		0.760	5.00	10	02/17/2021 17:21	WG1621779
Benzene	0.790		0.160	0.400	10	02/17/2021 17:21	WG1621779
Bromobenzene	U		0.420	5.00	10	02/17/2021 17:21	WG1621779
Bromodichloromethane	1.76		0.315	1.00	10	02/17/2021 17:21	WG1621779
Bromoform	U		2.39	10.0	10	02/17/2021 17:21	WG1621779
Bromomethane	U		1.48	5.00	10	02/17/2021 17:21	WG1621779
n-Butylbenzene	U		1.53	5.00	10	02/17/2021 17:21	WG1621779
sec-Butylbenzene	U		1.01	5.00	10	02/17/2021 17:21	WG1621779
tert-Butylbenzene	U		0.620	2.00	10	02/17/2021 17:21	WG1621779
Carbon tetrachloride	U		0.432	2.00	10	02/17/2021 17:21	WG1621779
Chlorobenzene	U		0.229	1.00	10	02/17/2021 17:21	WG1621779
Chlorodibromomethane	U		0.180	1.00	10	02/17/2021 17:21	WG1621779
Chloroethane	U		0.432	2.00	10	02/17/2021 17:21	WG1621779
Chloroform	U		0.166	1.00	10	02/17/2021 17:21	WG1621779
Chloromethane	U	J4	0.556	5.00	10	02/17/2021 17:21	WG1621779
2-Chlorotoluene	U		0.368	1.00	10	02/17/2021 17:21	WG1621779
4-Chlorotoluene	U		0.452	2.00	10	02/17/2021 17:21	WG1621779
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/17/2021 17:21	WG1621779
1,2-Dibromoethane	U		0.210	1.00	10	02/17/2021 17:21	WG1621779
Dibromomethane	U		0.400	2.00	10	02/17/2021 17:21	WG1621779
1,2-Dichlorobenzene	U		0.580	2.00	10	02/17/2021 17:21	WG1621779
1,3-Dichlorobenzene	U		0.680	2.00	10	02/17/2021 17:21	WG1621779
1,4-Dichlorobenzene	U		0.788	2.00	10	02/17/2021 17:21	WG1621779
Dichlorodifluoromethane	U		0.327	1.00	10	02/17/2021 17:21	WG1621779
1,1-Dichloroethane	U		0.230	1.00	10	02/17/2021 17:21	WG1621779
1,2-Dichloroethane	U		0.190	1.00	10	02/17/2021 17:21	WG1621779
1,1-Dichloroethene	1.93		0.200	1.00	10	02/17/2021 17:21	WG1621779
cis-1,2-Dichloroethene	1350		0.690	2.50	25	02/20/2021 12:08	WG1622037
trans-1,2-Dichloroethene	6.34		0.572	2.00	10	02/17/2021 17:21	WG1621779
1,2-Dichloropropane	U		0.508	2.00	10	02/17/2021 17:21	WG1621779
1,1-Dichloropropene	U		0.280	1.00	10	02/17/2021 17:21	WG1621779
1,3-Dichloropropane	U		0.700	2.00	10	02/17/2021 17:21	WG1621779
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/17/2021 17:21	WG1621779
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/17/2021 17:21	WG1621779
2,2-Dichloropropane	U		0.317	1.00	10	02/17/2021 17:21	WG1621779
Di-isopropyl ether	U		0.140	0.400	10	02/17/2021 17:21	WG1621779
Ethylbenzene	U		0.212	1.00	10	02/17/2021 17:21	WG1621779
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/17/2021 17:21	WG1621779
Isopropylbenzene	U		0.345	1.00	10	02/17/2021 17:21	WG1621779
p-Isopropyltoluene	U		0.932	2.00	10	02/17/2021 17:21	WG1621779
2-Butanone (MEK)	U		5.00	10.0	10	02/17/2021 17:21	WG1621779
Methylene Chloride	U		2.65	10.0	10	02/17/2021 17:21	WG1621779
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/17/2021 17:21	WG1621779
Methyl tert-butyl ether	U		0.118	0.400	10	02/17/2021 17:21	WG1621779
Naphthalene	U		1.24	5.00	10	02/17/2021 17:21	WG1621779
n-Propylbenzene	U		0.472	2.00	10	02/17/2021 17:21	WG1621779
Styrene	U		1.09	5.00	10	02/17/2021 17:21	WG1621779
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/17/2021 17:21	WG1621779
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/17/2021 17:21	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/17/2021 17:21	WG1621779
Tetrachloroethene	135		0.280	1.00	10	02/17/2021 17:21	WG1621779
Toluene	U		0.500	2.00	10	02/17/2021 17:21	WG1621779
1,2,3-Trichlorobenzene	U		0.250	5.00	10	02/17/2021 17:21	WG1621779
1,2,4-Trichlorobenzene	U		1.93	5.00	10	02/17/2021 17:21	WG1621779
1,1,1-Trichloroethane	U		0.110	1.00	10	02/17/2021 17:21	WG1621779

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



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	~~J4~~	0.353	1.00	10	02/17/2021 17:21	WG1621779
Trichloroethene	230		0.160	0.400	10	02/17/2021 17:21	WG1621779
Trichlorofluoromethane	U		0.200	1.00	10	02/17/2021 17:21	WG1621779
1,2,3-Trichloropropane	U		2.04	5.00	10	02/17/2021 17:21	WG1621779
1,2,4-Trimethylbenzene	U		0.464	2.00	10	02/17/2021 17:21	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.460	2.00	10	02/17/2021 17:21	WG1621779
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/17/2021 17:21	WG1621779
Vinyl chloride	U		0.273	1.00	10	02/17/2021 17:21	WG1621779
Xylenes, Total	U		1.91	2.60	10	02/17/2021 17:21	WG1621779
Ethyl Ether	U		0.170	1.00	10	02/17/2021 17:21	WG1621779
Tetrahydrofuran	U		0.900	5.00	10	02/17/2021 17:21	WG1621779
Iodomethane	U		2.42	5.00	10	02/17/2021 17:21	WG1621779
Allyl chloride	U		5.80	10.0	10	02/17/2021 17:21	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/17/2021 17:21	WG1621779
(S) Toluene-d8	118			75.0-131		02/17/2021 17:21	WG1621779
(S) Toluene-d8	118			75.0-131		02/20/2021 12:08	WG1622037
(S) 4-Bromofluorobenzene	105			67.0-138		02/17/2021 17:21	WG1621779
(S) 4-Bromofluorobenzene	103			67.0-138		02/20/2021 12:08	WG1622037
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/17/2021 17:21	WG1621779
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/20/2021 12:08	WG1622037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	9200		594	5000	1	02/21/2021 15:12	WG1622758

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1180	~~B~~	102	1000	1	02/22/2021 05:07	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9690		28.1	100	1	02/23/2021 10:31	WG1623308
Manganese	592		0.704	5.00	1	02/23/2021 10:31	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	65.2		0.287	0.678	1	02/23/2021 13:24	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:24	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:24	WG1623952

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	02/17/2021 15:09	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 15:09	WG1621779
Benzene	0.0200	~~J~~	0.0160	0.0400	1	02/17/2021 15:09	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 15:09	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 15:09	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 15:09	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 15:09	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 15:09	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 15:09	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 15:09	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 15:09	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 15:09	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 15:09	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 15:09	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 15:09	WG1621779
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/17/2021 15:09	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 15:09	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 15:09	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 15:09	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 15:09	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 15:09	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 15:09	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 15:09	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 15:09	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 15:09	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 15:09	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 15:09	WG1621779
1,1-Dichloroethene	0.190		0.0200	0.100	1	02/17/2021 15:09	WG1621779
cis-1,2-Dichloroethene	9.05		0.0276	0.100	1	02/17/2021 15:09	WG1621779
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/17/2021 15:09	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 15:09	WG1621779

JC 3/12/2021



Collected date/time: 02/10/21 15:15

L1317227

Volatile Organic 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	02/17/2021 15:09	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 15:09	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 15:09	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 15:09	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 15:09	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 15:09	WG1621779
Ethylbenzene	0.0450	~~U~~	0.0212	0.100	1	02/17/2021 15:09	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 15:09	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 15:09	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 15:09	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 15:09	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 15:09	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 15:09	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 15:09	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 15:09	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 15:09	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 15:09	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 15:09	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 15:09	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 15:09	WG1621779
Tetrachloroethene	U		0.0280	0.100	1	02/17/2021 15:09	WG1621779
Toluene	0.542		0.0500	0.200	1	02/17/2021 15:09	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 15:09	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 15:09	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 15:09	WG1621779
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/17/2021 15:09	WG1621779
Trichloroethene	0.602		0.0160	0.0400	1	02/17/2021 15:09	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 15:09	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 15:09	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 15:09	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/17/2021 15:09	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 15:09	WG1621779
Vinyl chloride	5.37		0.0273	0.100	1	02/17/2021 15:09	WG1621779
Xylenes, Total	0.433		0.191	0.260	1	02/17/2021 15:09	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 15:09	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 15:09	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 15:09	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 15:09	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 15:09	WG1621779
(S) Toluene-d8	119			75.0-131		02/17/2021 15:09	WG1621779
(S) 4-Bromofluorobenzene	107			67.0-138		02/17/2021 15:09	WG1621779
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/17/2021 15:09	WG1621779

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	40900		2970	25000	5	02/21/2021 15:51	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1800	~~B~~	102	1000	1	02/22/2021 05:19	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	769		28.1	100	1	02/23/2021 10:35	WG1623308
Manganese	171		0.704	5.00	1	02/23/2021 10:35	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	02/23/2021 13:26	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:26	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:26	WG1623952

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	02/17/2021 15:28	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 15:28	WG1621779
Benzene	0.0490		0.0160	0.0400	1	02/17/2021 15:28	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 15:28	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 15:28	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 15:28	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 15:28	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 15:28	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 15:28	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 15:28	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 15:28	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 15:28	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 15:28	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 15:28	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 15:28	WG1621779
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/17/2021 15:28	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 15:28	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 15:28	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 15:28	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 15:28	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 15:28	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 15:28	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 15:28	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 15:28	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 15:28	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 15:28	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 15:28	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 15:28	WG1621779
cis-1,2-Dichloroethene	2.19		0.0276	0.100	1	02/17/2021 15:28	WG1621779
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/17/2021 15:28	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 15:28	WG1621779

JC 3/12/2021



Collected date/time: 02/11/21 09:50

L1317227

Volatile Organic 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	02/17/2021 15:28	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 15:28	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 15:28	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 15:28	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 15:28	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 15:28	WG1621779
Ethylbenzene	0.242		0.0212	0.100	1	02/17/2021 15:28	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 15:28	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 15:28	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 15:28	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 15:28	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 15:28	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 15:28	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 15:28	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 15:28	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 15:28	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 15:28	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 15:28	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 15:28	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 15:28	WG1621779
Tetrachloroethene	20.1		0.0280	0.100	1	02/17/2021 15:28	WG1621779
Toluene	1.58		0.0500	0.200	1	02/17/2021 15:28	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 15:28	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 15:28	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 15:28	WG1621779
1,1,2-Trichloroethane	U	~~14~~	0.0353	0.100	1	02/17/2021 15:28	WG1621779
Trichloroethene	3.83		0.0160	0.0400	1	02/17/2021 15:28	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 15:28	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 15:28	WG1621779
1,2,4-Trimethylbenzene	0.140	~~14~~	0.0464	0.200	1	02/17/2021 15:28	WG1621779
1,2,3-Trimethylbenzene	U	~~14~~	0.0460	0.200	1	02/17/2021 15:28	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 15:28	WG1621779
Vinyl chloride	U		0.0273	0.100	1	02/17/2021 15:28	WG1621779
Xylenes, Total	1.28		0.191	0.260	1	02/17/2021 15:28	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 15:28	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 15:28	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 15:28	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 15:28	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 15:28	WG1621779
(S) Toluene-d8	117			75.0-131		02/17/2021 15:28	WG1621779
(S) 4-Bromofluorobenzene	105			67.0-138		02/17/2021 15:28	WG1621779
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/17/2021 15:28	WG1621779

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	12100		594	5000	1	02/21/2021 16:04	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	3700		102	1000	1	02/22/2021 05:30	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4340		28.1	100	1	02/23/2021 10:38	WG1623308
Manganese	732		0.704	5.00	1	02/23/2021 10:38	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	52.4		0.287	0.678	1	02/23/2021 13:29	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:29	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:29	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.89	U	0.548	1.00	1	02/17/2021 15:47	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 15:47	WG1621779
Benzene	U		0.0160	0.0400	1	02/17/2021 15:47	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 15:47	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 15:47	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 15:47	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 15:47	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 15:47	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 15:47	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 15:47	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 15:47	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 15:47	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 15:47	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 15:47	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 15:47	WG1621779
Chloromethane	U	J4	0.0556	0.500	1	02/17/2021 15:47	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 15:47	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 15:47	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 15:47	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 15:47	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 15:47	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 15:47	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 15:47	WG1621779
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/17/2021 15:47	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 15:47	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 15:47	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 15:47	WG1621779
1,1-Dichloroethene	1.07		0.0200	0.100	1	02/17/2021 15:47	WG1621779
cis-1,2-Dichloroethene	6.78		0.0276	0.100	1	02/17/2021 15:47	WG1621779
trans-1,2-Dichloroethene	0.403		0.0572	0.200	1	02/17/2021 15:47	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 15:47	WG1621779

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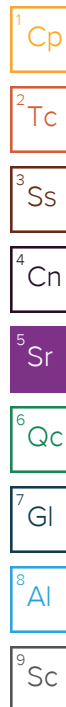


Collected date/time: 02/11/21 10:15

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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	02/17/2021 15:47	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 15:47	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 15:47	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 15:47	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 15:47	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 15:47	WG1621779
Ethylbenzene	0.0690	~~U~~	0.0212	0.100	1	02/17/2021 15:47	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 15:47	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 15:47	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 15:47	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 15:47	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 15:47	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 15:47	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 15:47	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 15:47	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 15:47	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 15:47	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 15:47	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 15:47	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 15:47	WG1621779
Tetrachloroethene	0.335		0.0280	0.100	1	02/17/2021 15:47	WG1621779
Toluene	0.373		0.0500	0.200	1	02/17/2021 15:47	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 15:47	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 15:47	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 15:47	WG1621779
1,1,2-Trichloroethane	U	~~J4~~	0.0353	0.100	1	02/17/2021 15:47	WG1621779
Trichloroethene	3.53		0.0160	0.0400	1	02/17/2021 15:47	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 15:47	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 15:47	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 15:47	WG1621779
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/17/2021 15:47	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 15:47	WG1621779
Vinyl chloride	0.178		0.0273	0.100	1	02/17/2021 15:47	WG1621779
Xylenes, Total	0.528		0.191	0.260	1	02/17/2021 15:47	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 15:47	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 15:47	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 15:47	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 15:47	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 15:47	WG1621779
(S) Toluene-d8	117			75.0-131		02/17/2021 15:47	WG1621779
(S) 4-Bromofluorobenzene	104			67.0-138		02/17/2021 15:47	WG1621779
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/17/2021 15:47	WG1621779



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	9160		594	5000	1	02/21/2021 16:17	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1720	J	102	1000	1	02/22/2021 12:39	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2070		28.1	100	1	02/23/2021 10:42	WG1623308
Manganese	363		0.704	5.00	1	02/23/2021 10:42	WG1623308

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	45.1	J	31.6	100	1	02/21/2021 05:32	WG1621855
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		02/21/2021 05:32	WG1621855

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	128		0.287	0.678	1	02/23/2021 13:35	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:35	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:35	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.31	U	0.548	1.00	1	02/17/2021 16:06	WG1621779
Acrylonitrile	U		0.0760	0.500	1	02/17/2021 16:06	WG1621779
Benzene	U		0.0160	0.0400	1	02/17/2021 16:06	WG1621779
Bromobenzene	U		0.0420	0.500	1	02/17/2021 16:06	WG1621779
Bromodichloromethane	U		0.0315	0.100	1	02/17/2021 16:06	WG1621779
Bromoform	U		0.239	1.00	1	02/17/2021 16:06	WG1621779
Bromomethane	U		0.148	0.500	1	02/17/2021 16:06	WG1621779
n-Butylbenzene	U		0.153	0.500	1	02/17/2021 16:06	WG1621779
sec-Butylbenzene	U		0.101	0.500	1	02/17/2021 16:06	WG1621779
tert-Butylbenzene	U		0.0620	0.200	1	02/17/2021 16:06	WG1621779
Carbon tetrachloride	U		0.0432	0.200	1	02/17/2021 16:06	WG1621779
Chlorobenzene	U		0.0229	0.100	1	02/17/2021 16:06	WG1621779
Chlorodibromomethane	U		0.0180	0.100	1	02/17/2021 16:06	WG1621779
Chloroethane	U		0.0432	0.200	1	02/17/2021 16:06	WG1621779
Chloroform	U		0.0166	0.100	1	02/17/2021 16:06	WG1621779
Chloromethane	U	J4	0.0556	0.500	1	02/17/2021 16:06	WG1621779
2-Chlorotoluene	U		0.0368	0.100	1	02/17/2021 16:06	WG1621779
4-Chlorotoluene	U		0.0452	0.200	1	02/17/2021 16:06	WG1621779
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/17/2021 16:06	WG1621779
1,2-Dibromoethane	U		0.0210	0.100	1	02/17/2021 16:06	WG1621779
Dibromomethane	U		0.0400	0.200	1	02/17/2021 16:06	WG1621779
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/17/2021 16:06	WG1621779
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/17/2021 16:06	WG1621779

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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	02/17/2021 16:06	WG1621779
Dichlorodifluoromethane	U		0.0327	0.100	1	02/17/2021 16:06	WG1621779
1,1-Dichloroethane	U		0.0230	0.100	1	02/17/2021 16:06	WG1621779
1,2-Dichloroethane	U		0.0190	0.100	1	02/17/2021 16:06	WG1621779
1,1-Dichloroethene	U		0.0200	0.100	1	02/17/2021 16:06	WG1621779
cis-1,2-Dichloroethene	0.382		0.0276	0.100	1	02/17/2021 16:06	WG1621779
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/17/2021 16:06	WG1621779
1,2-Dichloropropane	U		0.0508	0.200	1	02/17/2021 16:06	WG1621779
1,1-Dichloropropene	U		0.0280	0.100	1	02/17/2021 16:06	WG1621779
1,3-Dichloropropane	U		0.0700	0.200	1	02/17/2021 16:06	WG1621779
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/17/2021 16:06	WG1621779
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/17/2021 16:06	WG1621779
2,2-Dichloropropane	U		0.0317	0.100	1	02/17/2021 16:06	WG1621779
Di-isopropyl ether	U		0.0140	0.0400	1	02/17/2021 16:06	WG1621779
Ethylbenzene	U		0.0212	0.100	1	02/17/2021 16:06	WG1621779
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/17/2021 16:06	WG1621779
Isopropylbenzene	U		0.0345	0.100	1	02/17/2021 16:06	WG1621779
p-Isopropyltoluene	U		0.0932	0.200	1	02/17/2021 16:06	WG1621779
2-Butanone (MEK)	U		0.500	1.00	1	02/17/2021 16:06	WG1621779
Methylene Chloride	U		0.265	1.00	1	02/17/2021 16:06	WG1621779
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/17/2021 16:06	WG1621779
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/17/2021 16:06	WG1621779
Naphthalene	U		0.124	0.500	1	02/17/2021 16:06	WG1621779
n-Propylbenzene	U		0.0472	0.200	1	02/17/2021 16:06	WG1621779
Styrene	U		0.109	0.500	1	02/17/2021 16:06	WG1621779
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/17/2021 16:06	WG1621779
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/17/2021 16:06	WG1621779
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/17/2021 16:06	WG1621779
Tetrachloroethene	0.990		0.0280	0.100	1	02/17/2021 16:06	WG1621779
Toluene	U		0.0500	0.200	1	02/17/2021 16:06	WG1621779
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/17/2021 16:06	WG1621779
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/17/2021 16:06	WG1621779
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/17/2021 16:06	WG1621779
1,1,2-Trichloroethane	U	J4	0.0353	0.100	1	02/17/2021 16:06	WG1621779
Trichloroethene	0.286		0.0160	0.0400	1	02/17/2021 16:06	WG1621779
Trichlorofluoromethane	U		0.0200	0.100	1	02/17/2021 16:06	WG1621779
1,2,3-Trichloropropane	U		0.204	0.500	1	02/17/2021 16:06	WG1621779
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/17/2021 16:06	WG1621779
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/17/2021 16:06	WG1621779
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/17/2021 16:06	WG1621779
Vinyl chloride	U		0.0273	0.100	1	02/17/2021 16:06	WG1621779
Xylenes, Total	U		0.191	0.260	1	02/17/2021 16:06	WG1621779
Ethyl Ether	U		0.0170	0.100	1	02/17/2021 16:06	WG1621779
Tetrahydrofuran	U		0.0900	0.500	1	02/17/2021 16:06	WG1621779
Iodomethane	U		0.242	0.500	1	02/17/2021 16:06	WG1621779
Allyl chloride	U		0.580	1.00	1	02/17/2021 16:06	WG1621779
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/17/2021 16:06	WG1621779
(S) Toluene-d8	119			75.0-131		02/17/2021 16:06	WG1621779
(S) 4-Bromofluorobenzene	106			67.0-138		02/17/2021 16:06	WG1621779
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/17/2021 16:06	WG1621779

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 date / time	Batch
Sulfate	9480		594	5000	1	02/21/2021 16:30	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	4920	J	102	1000	1	02/22/2021 07:01	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2350		28.1	100	1	02/23/2021 10:57	WG1623308
Manganese	371		0.704	5.00	1	02/23/2021 10:57	WG1623308

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	02/21/2021 05:54	WG1621855
(S) a,a,a-Trifluorotoluene(FID)	99.6			78.0-120		02/21/2021 05:54	WG1621855

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	138		0.287	0.678	1	02/23/2021 13:41	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:41	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:41	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.45	U C5	0.548	1.00	1	02/21/2021 14:44	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 14:44	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 14:44	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 14:44	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 14:44	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 14:44	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 14:44	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 14:44	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 14:44	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 14:44	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 14:44	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 14:44	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 14:44	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 14:44	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 14:44	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 14:44	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 14:44	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 14:44	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 14:44	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 14:44	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 14:44	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 14:44	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 14:44	WG1623108

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Collected date/time: 02/11/21 11:45

L1317227

Volatile 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	02/21/2021 14:44	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 14:44	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 14:44	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 14:44	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 14:44	WG1623108
cis-1,2-Dichloroethene	0.357		0.0276	0.100	1	02/21/2021 14:44	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 19:11	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 14:44	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 14:44	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 14:44	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 14:44	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 14:44	WG1623108
2,2-Dichloropropane	U	UJ ~~J4~~	0.0317	0.100	1	02/21/2021 14:44	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 14:44	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 14:44	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 14:44	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 14:44	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 14:44	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 14:44	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 14:44	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 14:44	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 14:44	WG1623108
Naphthalene	U	UJ ~~C3~~	0.124	0.500	1	02/21/2021 14:44	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 14:44	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 14:44	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 14:44	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ ~~J4~~	0.0156	0.100	1	02/21/2021 14:44	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 14:44	WG1623108
Tetrachloroethene	0.741		0.0280	0.100	1	02/21/2021 14:44	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 14:44	WG1623108
1,2,3-Trichlorobenzene	U	UJ ~~C4~~	0.0250	0.500	1	02/21/2021 14:44	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 14:44	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 19:11	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 14:44	WG1623108
Trichloroethene	0.271		0.0160	0.0400	1	02/22/2021 19:11	WG1623651
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 14:44	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 14:44	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 14:44	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 14:44	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 14:44	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 14:44	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 14:44	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 14:44	WG1623108
Tetrahydrofuran	0.224	U ~~C3 J~~	0.0900	0.500	1	02/21/2021 14:44	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 14:44	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 14:44	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 14:44	WG1623108
(S) Toluene-d8	91.6			75.0-131		02/21/2021 14:44	WG1623108
(S) Toluene-d8	99.6			75.0-131		02/22/2021 19:11	WG1623651
(S) 4-Bromofluorobenzene	105			67.0-138		02/21/2021 14:44	WG1623108
(S) 4-Bromofluorobenzene	93.9			67.0-138		02/22/2021 19:11	WG1623651
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 14:44	WG1623108
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		02/22/2021 19:11	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	48900		594	5000	1	02/21/2021 16:44	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1020	~~B~~	102	1000	1	02/22/2021 07:42	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9100		28.1	100	1	02/23/2021 11:00	WG1623308
Manganese	460		0.704	5.00	1	02/23/2021 11:00	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	26.7		0.287	0.678	1	02/23/2021 13:43	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:43	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:43	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.27 U	C5	0.548	1.00	1	02/21/2021 15:03	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 15:03	WG1623108
Benzene	0.0240	J	0.0160	0.0400	1	02/21/2021 15:03	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 15:03	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 15:03	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 15:03	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 15:03	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 15:03	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 15:03	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 15:03	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 15:03	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 15:03	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 15:03	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 15:03	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 15:03	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 15:03	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 15:03	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 15:03	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 15:03	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 15:03	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 15:03	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 15:03	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 15:03	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 15:03	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 15:03	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 15:03	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 15:03	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 15:03	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 15:03	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 19:31	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 15:03	WG1623108

JC 3/12/2021



Collected date/time: 02/11/21 12:30

L1317227

Volatile Organic 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	02/21/2021 15:03	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 15:03	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 15:03	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 15:03	WG1623108
2,2-Dichloropropane	U	UJ ~~C4~~	0.0317	0.100	1	02/21/2021 15:03	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 15:03	WG1623108
Ethylbenzene	0.105		0.0212	0.100	1	02/21/2021 15:03	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 15:03	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 15:03	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 15:03	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 15:03	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 15:03	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 15:03	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 15:03	WG1623108
Naphthalene	U	UJ ~~C3~~	0.124	0.500	1	02/21/2021 15:03	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 15:03	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 15:03	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 15:03	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ ~~C4~~	0.0156	0.100	1	02/21/2021 15:03	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 15:03	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 15:03	WG1623108
Toluene	0.481		0.0500	0.200	1	02/21/2021 15:03	WG1623108
1,2,3-Trichlorobenzene	U	UJ ~~C4~~	0.0250	0.500	1	02/21/2021 15:03	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 15:03	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 19:31	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 15:03	WG1623108
Trichloroethene	U	• ~~C4~~	0.0160	0.0400	1	02/21/2021 15:03	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 15:03	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 15:03	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 15:03	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 15:03	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 15:03	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 15:03	WG1623108
Xylenes, Total	0.686		0.191	0.260	1	02/21/2021 15:03	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 15:03	WG1623108
Tetrahydrofuran	U	UJ ~~C3~~	0.0900	0.500	1	02/21/2021 15:03	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 15:03	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 15:03	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 15:03	WG1623108
(S) Toluene-d8	93.4			75.0-131		02/21/2021 15:03	WG1623108
(S) Toluene-d8	102			75.0-131		02/22/2021 19:31	WG1623651
(S) 4-Bromofluorobenzene	106			67.0-138		02/21/2021 15:03	WG1623108
(S) 4-Bromofluorobenzene	95.9			67.0-138		02/22/2021 19:31	WG1623651
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/21/2021 15:03	WG1623108
(S) 1,2-Dichloroethane-d4	98.9			70.0-130		02/22/2021 19:31	WG1623651

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

JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	32400		594	5000	1	02/21/2021 16:57	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	1700	B	102	1000	1	02/22/2021 07:54	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1570		28.1	100	1	02/23/2021 11:04	WG1623308
Manganese	176		0.704	5.00	1	02/23/2021 11:04	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	93.8		0.287	0.678	1	02/23/2021 13:45	WG1623952
Ethane	U		0.296	1.29	1	02/23/2021 13:45	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:45	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.41	U	C5	0.548	1.00	1	02/21/2021 15:22	WG1623108
Acrylonitrile	U			0.0760	0.500	1	02/21/2021 15:22	WG1623108
Benzene	0.0200		J	0.0160	0.0400	1	02/21/2021 15:22	WG1623108
Bromobenzene	U			0.0420	0.500	1	02/21/2021 15:22	WG1623108
Bromodichloromethane	U			0.0315	0.100	1	02/21/2021 15:22	WG1623108
Bromoform	U			0.239	1.00	1	02/21/2021 15:22	WG1623108
Bromomethane	U			0.148	0.500	1	02/21/2021 15:22	WG1623108
n-Butylbenzene	U			0.153	0.500	1	02/21/2021 15:22	WG1623108
sec-Butylbenzene	U			0.101	0.500	1	02/21/2021 15:22	WG1623108
tert-Butylbenzene	U			0.0620	0.200	1	02/21/2021 15:22	WG1623108
Carbon tetrachloride	U			0.0432	0.200	1	02/21/2021 15:22	WG1623108
Chlorobenzene	U			0.0229	0.100	1	02/21/2021 15:22	WG1623108
Chlorodibromomethane	U			0.0180	0.100	1	02/21/2021 15:22	WG1623108
Chloroethane	U			0.0432	0.200	1	02/21/2021 15:22	WG1623108
Chloroform	U			0.0166	0.100	1	02/21/2021 15:22	WG1623108
Chloromethane	U			0.0556	0.500	1	02/21/2021 15:22	WG1623108
2-Chlorotoluene	U			0.0368	0.100	1	02/21/2021 15:22	WG1623108
4-Chlorotoluene	U			0.0452	0.200	1	02/21/2021 15:22	WG1623108
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	02/21/2021 15:22	WG1623108
1,2-Dibromoethane	U			0.0210	0.100	1	02/21/2021 15:22	WG1623108
Dibromomethane	U			0.0400	0.200	1	02/21/2021 15:22	WG1623108
1,2-Dichlorobenzene	U			0.0580	0.200	1	02/21/2021 15:22	WG1623108
1,3-Dichlorobenzene	U			0.0680	0.200	1	02/21/2021 15:22	WG1623108
1,4-Dichlorobenzene	U			0.0788	0.200	1	02/21/2021 15:22	WG1623108
Dichlorodifluoromethane	U			0.0327	0.100	1	02/21/2021 15:22	WG1623108
1,1-Dichloroethane	U			0.0230	0.100	1	02/21/2021 15:22	WG1623108
1,2-Dichloroethane	U			0.0190	0.100	1	02/21/2021 15:22	WG1623108
1,1-Dichloroethene	U			0.0200	0.100	1	02/21/2021 15:22	WG1623108
cis-1,2-Dichloroethene	U			0.0276	0.100	1	02/21/2021 15:22	WG1623108
trans-1,2-Dichloroethene	U			0.0572	0.200	1	02/22/2021 19:52	WG1623651
1,2-Dichloropropane	U			0.0508	0.200	1	02/21/2021 15:22	WG1623108

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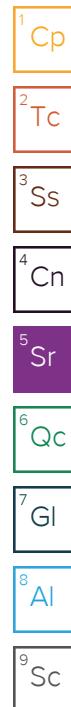


Collected date/time: 02/11/21 13:40

L1317227

Volatile Organic 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	02/21/2021 15:22	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 15:22	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 15:22	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 15:22	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 15:22	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 15:22	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 15:22	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 15:22	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 15:22	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 15:22	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 15:22	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 15:22	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 15:22	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 15:22	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 15:22	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 15:22	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 15:22	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 15:22	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 15:22	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 15:22	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 15:22	WG1623108
Toluene	0.112	J	0.0500	0.200	1	02/21/2021 15:22	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 15:22	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 15:22	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 19:52	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 15:22	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 15:22	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 15:22	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 15:22	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 15:22	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 15:22	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 15:22	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 15:22	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 15:22	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 15:22	WG1623108
Tetrahydrofuran	0.152	U C3 J	0.0900	0.500	1	02/21/2021 15:22	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 15:22	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 15:22	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 15:22	WG1623108
(S) Toluene-d8	93.9			75.0-131		02/21/2021 15:22	WG1623108
(S) Toluene-d8	99.3			75.0-131		02/22/2021 19:52	WG1623651
(S) 4-Bromofluorobenzene	105			67.0-138		02/21/2021 15:22	WG1623108
(S) 4-Bromofluorobenzene	95.4			67.0-138		02/22/2021 19:52	WG1623651
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/21/2021 15:22	WG1623108
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/22/2021 19:52	WG1623651



JC 3/12/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	9160		594	5000	1	02/21/2021 17:10	WG1622758

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 date / time	Batch
TOC (Total Organic Carbon)	5640		102	1000	1	02/22/2021 08:07	WG1623226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5720		28.1	100	1	02/23/2021 11:07	WG1623308
Manganese	767		0.704	5.00	1	02/23/2021 11:07	WG1623308

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	8410		2.87	6.78	10	02/23/2021 15:14	WG1624302
Ethane	U		0.296	1.29	1	02/23/2021 13:47	WG1623952
Ethene	U		0.422	1.27	1	02/23/2021 13:47	WG1623952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.12	U C5	0.548	1.00	1	02/21/2021 15:41	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 15:41	WG1623108
Benzene	0.0370	J	0.0160	0.0400	1	02/21/2021 15:41	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 15:41	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 15:41	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 15:41	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 15:41	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 15:41	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 15:41	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 15:41	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 15:41	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 15:41	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 15:41	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 15:41	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 15:41	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 15:41	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 15:41	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 15:41	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 15:41	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 15:41	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 15:41	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 15:41	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 15:41	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 15:41	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 15:41	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 15:41	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 15:41	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 15:41	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 15:41	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 20:13	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 15:41	WG1623108

JC 3/12/2021



Collected date/time: 02/11/21 14:40

L1317227

Volatile Organic 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	02/21/2021 15:41	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 15:41	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 15:41	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 15:41	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 15:41	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 15:41	WG1623108
Ethylbenzene	0.161		0.0212	0.100	1	02/21/2021 15:41	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 15:41	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 15:41	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 15:41	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 15:41	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 15:41	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 15:41	WG1623108
Methyl tert-butyl ether	0.0470		0.0118	0.0400	1	02/21/2021 15:41	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 15:41	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 15:41	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 15:41	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 15:41	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 15:41	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 15:41	WG1623108
Tetrachloroethene	0.0480	J	0.0280	0.100	1	02/21/2021 15:41	WG1623108
Toluene	1.23		0.0500	0.200	1	02/21/2021 15:41	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 15:41	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 15:41	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 20:13	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 15:41	WG1623108
Trichloroethene	U	~~J4~~	0.0160	0.0400	1	02/21/2021 15:41	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 15:41	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 15:41	WG1623108
1,2,4-Trimethylbenzene	0.143	J	0.0464	0.200	1	02/21/2021 15:41	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 15:41	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 15:41	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 15:41	WG1623108
Xylenes, Total	0.968		0.191	0.260	1	02/21/2021 15:41	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 15:41	WG1623108
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/21/2021 15:41	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 15:41	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 15:41	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 15:41	WG1623108
(S) Toluene-d8	95.5			75.0-131		02/21/2021 15:41	WG1623108
(S) Toluene-d8	99.6			75.0-131		02/22/2021 20:13	WG1623651
(S) 4-Bromofluorobenzene	100			67.0-138		02/21/2021 15:41	WG1623108
(S) 4-Bromofluorobenzene	89.0			67.0-138		02/22/2021 20:13	WG1623651
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/21/2021 15:41	WG1623108
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		02/22/2021 20:13	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

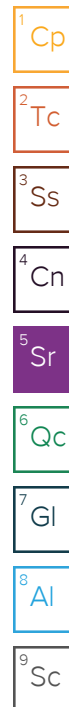
9 Sc

JC 3/12/2021



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	1.71	J+ C5	0.548	1.00	1	02/21/2021 16:00	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:00	WG1623108
Benzene	0.0330	J	0.0160	0.0400	1	02/21/2021 16:00	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:00	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:00	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:00	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:00	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:00	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:00	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:00	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:00	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:00	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:00	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:00	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:00	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:00	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:00	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:00	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:00	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:00	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:00	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:00	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:00	WG1623108
1,1-Dichloroethane	0.0350	J	0.0230	0.100	1	02/21/2021 16:00	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:00	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
cis-1,2-Dichloroethene	2.66		0.0276	0.100	1	02/21/2021 16:00	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 20:55	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:00	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:00	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:00	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:00	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:00	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 16:00	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:00	WG1623108
Ethylbenzene	0.0800	J	0.0212	0.100	1	02/21/2021 16:00	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:00	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:00	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:00	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:00	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:00	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:00	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:00	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 16:00	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:00	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:00	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 16:00	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:00	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:00	WG1623108
Toluene	0.448		0.0500	0.200	1	02/21/2021 16:00	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 16:00	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:00	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 20:55	WG1623651



JC 3/16/2021



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	02/21/2021 16:00	WG1623108
Trichloroethene	U	~~J4~~	0.0160	0.0400	1	02/21/2021 16:00	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:00	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 16:00	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:00	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Vinyl chloride	0.0920	J	0.0273	0.100	1	02/21/2021 16:00	WG1623108
Xylenes, Total	0.442		0.191	0.260	1	02/21/2021 16:00	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:00	WG1623108
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/21/2021 16:00	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:00	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:00	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:00	WG1623108
(S) Toluene-d8	94.9			75.0-131		02/21/2021 16:00	WG1623108
(S) Toluene-d8	98.1			75.0-131		02/22/2021 20:55	WG1623651
(S) 4-Bromofluorobenzene	104			67.0-138		02/21/2021 16:00	WG1623108
(S) 4-Bromofluorobenzene	91.4			67.0-138		02/22/2021 20:55	WG1623651
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 16:00	WG1623108
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		02/22/2021 20:55	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

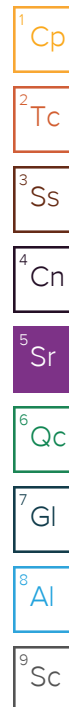
JC 3/16/2021



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	2.25	J+ C5	0.548	1.00	1	02/21/2021 16:19	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:19	WG1623108
Benzene	0.0900		0.0160	0.0400	1	02/21/2021 16:19	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:19	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:19	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:19	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:19	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:19	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:19	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:19	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:19	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:19	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:19	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:19	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:19	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:19	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:19	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:19	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:19	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:19	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:19	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:19	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:19	WG1623108
1,1-Dichloroethane	0.0400	J	0.0230	0.100	1	02/21/2021 16:19	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:19	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
cis-1,2-Dichloroethene	7.89		0.0276	0.100	1	02/21/2021 16:19	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:16	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:19	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:19	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:19	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:19	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:19	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 16:19	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:19	WG1623108
Ethylbenzene	0.172		0.0212	0.100	1	02/21/2021 16:19	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:19	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:19	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:19	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:19	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:19	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:19	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:19	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 16:19	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:19	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:19	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 16:19	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:19	WG1623108
Tetrachloroethene	0.0450	J	0.0280	0.100	1	02/21/2021 16:19	WG1623108
Toluene	1.04		0.0500	0.200	1	02/21/2021 16:19	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 16:19	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:19	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:16	WG1623651

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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	02/21/2021 16:19	WG1623108
Trichloroethene	U	<u>J4</u>	0.0160	0.0400	1	02/21/2021 16:19	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:19	WG1623108
1,2,4-Trimethylbenzene	0.143	<u>J</u>	0.0464	0.200	1	02/21/2021 16:19	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:19	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Vinyl chloride	0.287		0.0273	0.100	1	02/21/2021 16:19	WG1623108
Xylenes, Total	0.952		0.191	0.260	1	02/21/2021 16:19	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:19	WG1623108
Tetrahydrofuran	U	<u>UJ</u> <u>C3</u>	0.0900	0.500	1	02/21/2021 16:19	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:19	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:19	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:19	WG1623108
(S) Toluene-d8	93.0			75.0-131		02/21/2021 16:19	WG1623108
(S) Toluene-d8	99.7			75.0-131		02/22/2021 21:16	WG1623651
(S) 4-Bromofluorobenzene	104			67.0-138		02/21/2021 16:19	WG1623108
(S) 4-Bromofluorobenzene	94.4			67.0-138		02/22/2021 21:16	WG1623651
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/21/2021 16:19	WG1623108
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		02/22/2021 21:16	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

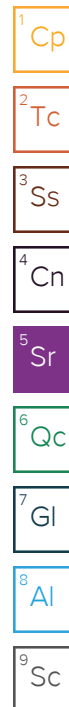
JC 3/16/2021



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	2.95	J+ C5	0.548	1.00	1	02/21/2021 16:38	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:38	WG1623108
Benzene	2.79		0.0160	0.0400	1	02/21/2021 16:38	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:38	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:38	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:38	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:38	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:38	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:38	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:38	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:38	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:38	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:38	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:38	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:38	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:38	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:38	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:38	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:38	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:38	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:38	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:38	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:38	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 16:38	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:38	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
cis-1,2-Dichloroethene	0.711		0.0276	0.100	1	02/21/2021 16:38	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:37	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:38	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:38	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:38	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:38	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:38	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 16:38	WG1623108
Di-isopropyl ether	0.0570		0.0140	0.0400	1	02/21/2021 16:38	WG1623108
Ethylbenzene	0.216		0.0212	0.100	1	02/21/2021 16:38	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:38	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:38	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:38	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:38	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:38	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:38	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:38	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 16:38	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:38	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:38	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 16:38	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:38	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:38	WG1623108
Toluene	1.22		0.0500	0.200	1	02/21/2021 16:38	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 16:38	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:38	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:37	WG1623651

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Collected date/time: 02/12/21 11:30

L1317757

Volatile Organic 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	02/21/2021 16:38	WG1623108
Trichloroethene	U	~~J4~~	0.0160	0.0400	1	02/21/2021 16:38	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:38	WG1623108
1,2,4-Trimethylbenzene	0.188	J	0.0464	0.200	1	02/21/2021 16:38	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:38	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Vinyl chloride	18.4		0.0273	0.100	1	02/21/2021 16:38	WG1623108
Xylenes, Total	1.09		0.191	0.260	1	02/21/2021 16:38	WG1623108
Ethyl Ether	0.0640	J	0.0170	0.100	1	02/21/2021 16:38	WG1623108
Tetrahydrofuran	0.282	J C3 J	0.0900	0.500	1	02/21/2021 16:38	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:38	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:38	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:38	WG1623108
(S) Toluene-d8	90.3			75.0-131		02/21/2021 16:38	WG1623108
(S) Toluene-d8	101			75.0-131		02/22/2021 21:37	WG1623651
(S) 4-Bromofluorobenzene	109			67.0-138		02/21/2021 16:38	WG1623108
(S) 4-Bromofluorobenzene	91.4			67.0-138		02/22/2021 21:37	WG1623651
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/21/2021 16:38	WG1623108
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		02/22/2021 21:37	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/16/2021



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16200		594	5000	1	02/25/2021 03:59	WG1624675

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 date / time	Batch
TOC (Total Organic Carbon)	1150	~~B~~	102	1000	1	02/23/2021 14:24	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2880		28.1	100	1	02/24/2021 08:56	WG1624522
Manganese	583		0.704	5.00	1	02/24/2021 08:56	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	88.8		0.287	0.678	1	02/24/2021 14:19	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:19	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:19	WG1624305

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.63	J+ C5	0.548	1.00	1	02/21/2021 16:57	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:57	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 16:57	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:57	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:57	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:57	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:57	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:57	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:57	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:57	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:57	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:57	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:57	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:57	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:57	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:57	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:57	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:57	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:57	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:57	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:57	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:57	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:57	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 16:57	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:57	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 16:57	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:58	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:57	WG1623108

JC 3/16/2021



Collected date/time: 02/12/21 08:00

L1317757

Volatile Organic 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	02/21/2021 16:57	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:57	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:57	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:57	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 16:57	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:57	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 16:57	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:57	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:57	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:57	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:57	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:57	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:57	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:57	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 16:57	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:57	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:57	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 16:57	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:57	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:57	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 16:57	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 16:57	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:57	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:58	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 16:57	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 16:57	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:57	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 16:57	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:57	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 16:57	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 16:57	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:57	WG1623108
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/21/2021 16:57	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:57	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:57	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:57	WG1623108
(S) Toluene-d8	91.3			75.0-131		02/21/2021 16:57	WG1623108
(S) Toluene-d8	100			75.0-131		02/22/2021 21:58	WG1623651
(S) 4-Bromofluorobenzene	106			67.0-138		02/21/2021 16:57	WG1623108
(S) 4-Bromofluorobenzene	93.6			67.0-138		02/22/2021 21:58	WG1623651
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/21/2021 16:57	WG1623108
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		02/22/2021 21:58	WG1623651

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 date / time	Batch
Sulfate	16100		594	5000	1	02/25/2021 05:11	WG1624675

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1170	~~B~~	102	1000	1	02/23/2021 15:59	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2940		28.1	100	1	02/24/2021 09:00	WG1624522
Manganese	583		0.704	5.00	1	02/24/2021 09:00	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	93.5		0.287	0.678	1	02/24/2021 14:22	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:22	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:22	WG1624305

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.34	J+ C5	0.548	1.00	1	02/21/2021 17:16	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 17:16	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 17:16	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 17:16	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 17:16	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 17:16	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 17:16	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 17:16	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 17:16	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 17:16	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 17:16	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 17:16	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 17:16	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 17:16	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 17:16	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 17:16	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 17:16	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 17:16	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 17:16	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 17:16	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 17:16	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 17:16	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 17:16	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 17:16	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 17:16	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 17:16	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 22:19	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 17:16	WG1623108

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Collected date/time: 02/12/21 12:50

L1317757

Volatile Organic 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	02/21/2021 17:16	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 17:16	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 17:16	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 17:16	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 17:16	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 17:16	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 17:16	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 17:16	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 17:16	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 17:16	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 17:16	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 17:16	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 17:16	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 17:16	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 17:16	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 17:16	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 17:16	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 17:16	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 17:16	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 17:16	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 17:16	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 17:16	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 17:16	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 22:19	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 17:16	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 17:16	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 17:16	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 17:16	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 17:16	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 17:16	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 17:16	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 17:16	WG1623108
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/21/2021 17:16	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 17:16	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 17:16	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 17:16	WG1623108
(S) Toluene-d8	91.9			75.0-131		02/21/2021 17:16	WG1623108
(S) Toluene-d8	101			75.0-131		02/22/2021 22:19	WG1623651
(S) 4-Bromofluorobenzene	105			67.0-138		02/21/2021 17:16	WG1623108
(S) 4-Bromofluorobenzene	91.8			67.0-138		02/22/2021 22:19	WG1623651
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/21/2021 17:16	WG1623108
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		02/22/2021 22:19	WG1623651

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 date / time	Batch
Sulfate	68200		594	5000	1	02/25/2021 04:17	WG1624675

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 date / time	Batch
TOC (Total Organic Carbon)	6730		102	1000	1	02/23/2021 16:12	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	13500		28.1	100	1	02/24/2021 09:03	WG1624522
Manganese	1230		0.704	5.00	1	02/24/2021 09:03	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1570		0.287	0.678	1	02/24/2021 14:25	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:25	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:25	WG1624305

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.76	J+ C5	0.548	1.00	1	02/21/2021 17:35	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 17:35	WG1623108
Benzene	0.0330	J	0.0160	0.0400	1	02/21/2021 17:35	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 17:35	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 17:35	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 17:35	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 17:35	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 17:35	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 17:35	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 17:35	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 17:35	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 17:35	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 17:35	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 17:35	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 17:35	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 17:35	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 17:35	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 17:35	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 17:35	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 17:35	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 17:35	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 17:35	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 17:35	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 17:35	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 17:35	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
cis-1,2-Dichloroethene	0.244		0.0276	0.100	1	02/21/2021 17:35	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 22:40	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 17:35	WG1623108

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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	02/21/2021 17:35	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 17:35	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 17:35	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 17:35	WG1623108
2,2-Dichloropropane	U	UJ J4	0.0317	0.100	1	02/21/2021 17:35	WG1623108
Di-isopropyl ether	0.0390	J	0.0140	0.0400	1	02/21/2021 17:35	WG1623108
Ethylbenzene	0.0730	J	0.0212	0.100	1	02/21/2021 17:35	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 17:35	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 17:35	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 17:35	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 17:35	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 17:35	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 17:35	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 17:35	WG1623108
Naphthalene	U	UJ C3	0.124	0.500	1	02/21/2021 17:35	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 17:35	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 17:35	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
1,1,2,2-Tetrachloroethane	U	UJ J4	0.0156	0.100	1	02/21/2021 17:35	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 17:35	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 17:35	WG1623108
Toluene	0.515		0.0500	0.200	1	02/21/2021 17:35	WG1623108
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	02/21/2021 17:35	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 17:35	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 22:40	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 17:35	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 17:35	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 17:35	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 17:35	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 17:35	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Vinyl chloride	1.02		0.0273	0.100	1	02/21/2021 17:35	WG1623108
Xylenes, Total	0.453		0.191	0.260	1	02/21/2021 17:35	WG1623108
Ethyl Ether	0.306		0.0170	0.100	1	02/21/2021 17:35	WG1623108
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	02/21/2021 17:35	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 17:35	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 17:35	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 17:35	WG1623108
(S) Toluene-d8	92.3			75.0-131		02/21/2021 17:35	WG1623108
(S) Toluene-d8	102			75.0-131		02/22/2021 22:40	WG1623651
(S) 4-Bromofluorobenzene	101			67.0-138		02/21/2021 17:35	WG1623108
(S) 4-Bromofluorobenzene	87.9			67.0-138		02/22/2021 22:40	WG1623651
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/21/2021 17:35	WG1623108
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		02/22/2021 22:40	WG1623651

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

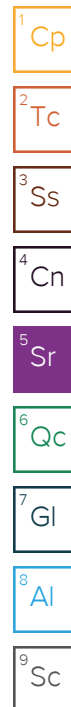
JC 3/16/2021



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	524		274	500	500	02/24/2021 02:21	WG1624535
Acrylonitrile	U		38.0	250	500	02/24/2021 02:21	WG1624535
Benzene	U		8.00	20.0	500	02/24/2021 02:21	WG1624535
Bromobenzene	U		21.0	250	500	02/24/2021 02:21	WG1624535
Bromodichloromethane	U		15.8	50.0	500	02/24/2021 02:21	WG1624535
Bromoform	U		120	500	500	02/24/2021 02:21	WG1624535
Bromomethane	U		74.0	250	500	02/24/2021 02:21	WG1624535
n-Butylbenzene	U		76.5	250	500	02/24/2021 02:21	WG1624535
sec-Butylbenzene	U		50.5	250	500	02/24/2021 02:21	WG1624535
tert-Butylbenzene	U		31.0	100	500	02/24/2021 02:21	WG1624535
Carbon tetrachloride	U		21.6	100	500	02/24/2021 02:21	WG1624535
Chlorobenzene	U		11.5	50.0	500	02/24/2021 02:21	WG1624535
Chlorodibromomethane	U		9.00	50.0	500	02/24/2021 02:21	WG1624535
Chloroethane	U		21.6	100	500	02/24/2021 02:21	WG1624535
Chloroform	U		8.30	50.0	500	02/24/2021 02:21	WG1624535
Chloromethane	U		27.8	250	500	02/24/2021 02:21	WG1624535
2-Chlorotoluene	U		18.4	50.0	500	02/24/2021 02:21	WG1624535
4-Chlorotoluene	U		22.6	100	500	02/24/2021 02:21	WG1624535
1,2-Dibromo-3-Chloropropane	U		102	500	500	02/24/2021 02:21	WG1624535
1,2-Dibromoethane	U		10.5	50.0	500	02/24/2021 02:21	WG1624535
Dibromomethane	U		20.0	100	500	02/24/2021 02:21	WG1624535
1,2-Dichlorobenzene	U		29.0	100	500	02/24/2021 02:21	WG1624535
1,3-Dichlorobenzene	U		34.0	100	500	02/24/2021 02:21	WG1624535
1,4-Dichlorobenzene	U		39.4	100	500	02/24/2021 02:21	WG1624535
Dichlorodifluoromethane	U		16.4	50.0	500	02/24/2021 02:21	WG1624535
1,1-Dichloroethane	U		11.5	50.0	500	02/24/2021 02:21	WG1624535
1,2-Dichloroethane	U		9.50	50.0	500	02/24/2021 02:21	WG1624535
1,1-Dichloroethene	170		10.0	50.0	500	02/24/2021 02:21	WG1624535
cis-1,2-Dichloroethene	16600		55.2	200	2000	02/24/2021 22:43	WG1625020
trans-1,2-Dichloroethene	279		28.6	100	500	02/24/2021 02:21	WG1624535
1,2-Dichloropropane	U		25.4	100	500	02/24/2021 02:21	WG1624535
1,1-Dichloropropene	U		14.0	50.0	500	02/24/2021 02:21	WG1624535
1,3-Dichloropropane	U		35.0	100	500	02/24/2021 02:21	WG1624535
cis-1,3-Dichloropropene	U		13.6	50.0	500	02/24/2021 02:21	WG1624535
trans-1,3-Dichloropropene	U		30.6	100	500	02/24/2021 02:21	WG1624535
2,2-Dichloropropane	U		15.9	50.0	500	02/24/2021 02:21	WG1624535
Di-isopropyl ether	U		7.00	20.0	500	02/24/2021 02:21	WG1624535
Ethylbenzene	U		10.6	50.0	500	02/24/2021 02:21	WG1624535
Hexachloro-1,3-butadiene	U		254	500	500	02/24/2021 02:21	WG1624535
Isopropylbenzene	U		17.2	50.0	500	02/24/2021 02:21	WG1624535
p-Isopropyltoluene	U		46.6	100	500	02/24/2021 02:21	WG1624535
2-Butanone (MEK)	U		250	500	500	02/24/2021 02:21	WG1624535
Methylene Chloride	U		133	500	500	02/24/2021 02:21	WG1624535
4-Methyl-2-pentanone (MIBK)	U		200	500	500	02/24/2021 02:21	WG1624535
Methyl tert-butyl ether	U		5.90	20.0	500	02/24/2021 02:21	WG1624535
Naphthalene	U		62.0	250	500	02/24/2021 02:21	WG1624535
n-Propylbenzene	U		23.6	100	500	02/24/2021 02:21	WG1624535
Styrene	U		54.5	250	500	02/24/2021 02:21	WG1624535
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	02/24/2021 02:21	WG1624535
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	02/24/2021 02:21	WG1624535
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	02/24/2021 02:21	WG1624535
Tetrachloroethene	489		14.0	50.0	500	02/24/2021 02:21	WG1624535
Toluene	U		25.0	100	500	02/24/2021 02:21	WG1624535
1,2,3-Trichlorobenzene	U		12.5	250	500	02/24/2021 02:21	WG1624535
1,2,4-Trichlorobenzene	U		96.5	250	500	02/24/2021 02:21	WG1624535
1,1,1-Trichloroethane	U		5.50	50.0	500	02/24/2021 02:21	WG1624535

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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		17.7	50.0	500	02/24/2021 02:21	WG1624535
Trichloroethene	110		8.00	20.0	500	02/24/2021 02:21	WG1624535
Trichlorofluoromethane	U		10.0	50.0	500	02/24/2021 02:21	WG1624535
1,2,3-Trichloropropane	U		102	250	500	02/24/2021 02:21	WG1624535
1,2,4-Trimethylbenzene	U		23.2	100	500	02/24/2021 02:21	WG1624535
1,2,3-Trimethylbenzene	U		23.0	100	500	02/24/2021 02:21	WG1624535
1,3,5-Trimethylbenzene	U		21.6	100	500	02/24/2021 02:21	WG1624535
Vinyl chloride	31300		13.6	50.0	500	02/24/2021 02:21	WG1624535
Xylenes, Total	U		95.5	130	500	02/24/2021 02:21	WG1624535
Ethyl Ether	U		8.50	50.0	500	02/24/2021 02:21	WG1624535
Tetrahydrofuran	U		45.0	250	500	02/24/2021 02:21	WG1624535
Iodomethane	U		121	250	500	02/24/2021 02:21	WG1624535
Allyl chloride	U		290	500	500	02/24/2021 02:21	WG1624535
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	02/24/2021 02:21	WG1624535
(S) Toluene-d8	91.4			75.0-131		02/24/2021 02:21	WG1624535
(S) Toluene-d8	90.6			75.0-131		02/24/2021 22:43	WG1625020
(S) 4-Bromofluorobenzene	106			67.0-138		02/24/2021 02:21	WG1624535
(S) 4-Bromofluorobenzene	107			67.0-138		02/24/2021 22:43	WG1625020
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 02:21	WG1624535
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2021 22:43	WG1625020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

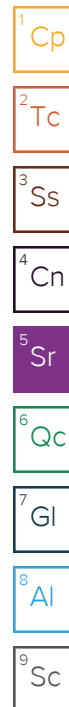
9 Sc

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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	29.5		11.0	20.0	20	02/24/2021 02:40	WG1624535
Acrylonitrile	U		1.52	10.0	20	02/24/2021 02:40	WG1624535
Benzene	0.500	J	0.320	0.800	20	02/24/2021 02:40	WG1624535
Bromobenzene	U		0.840	10.0	20	02/24/2021 02:40	WG1624535
Bromodichloromethane	U		0.630	2.00	20	02/24/2021 02:40	WG1624535
Bromoform	U		4.78	20.0	20	02/24/2021 02:40	WG1624535
Bromomethane	U		2.96	10.0	20	02/24/2021 02:40	WG1624535
n-Butylbenzene	U		3.06	10.0	20	02/24/2021 02:40	WG1624535
sec-Butylbenzene	U		2.02	10.0	20	02/24/2021 02:40	WG1624535
tert-Butylbenzene	U		1.24	4.00	20	02/24/2021 02:40	WG1624535
Carbon tetrachloride	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Chlorobenzene	U		0.458	2.00	20	02/24/2021 02:40	WG1624535
Chlorodibromomethane	U		0.360	2.00	20	02/24/2021 02:40	WG1624535
Chloroethane	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Chloroform	U		0.332	2.00	20	02/24/2021 02:40	WG1624535
Chloromethane	U		1.11	10.0	20	02/24/2021 02:40	WG1624535
2-Chlorotoluene	U		0.736	2.00	20	02/24/2021 02:40	WG1624535
4-Chlorotoluene	U		0.904	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	02/24/2021 02:40	WG1624535
1,2-Dibromoethane	U		0.420	2.00	20	02/24/2021 02:40	WG1624535
Dibromomethane	U		0.800	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dichlorobenzene	U		1.16	4.00	20	02/24/2021 02:40	WG1624535
1,3-Dichlorobenzene	U		1.36	4.00	20	02/24/2021 02:40	WG1624535
1,4-Dichlorobenzene	U		1.58	4.00	20	02/24/2021 02:40	WG1624535
Dichlorodifluoromethane	U		0.654	2.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloroethane	U		0.460	2.00	20	02/24/2021 02:40	WG1624535
1,2-Dichloroethane	U		0.380	2.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloroethene	3.02		0.400	2.00	20	02/24/2021 02:40	WG1624535
cis-1,2-Dichloroethene	2540		1.38	5.00	50	02/24/2021 23:02	WG1625020
trans-1,2-Dichloroethene	34.3		1.14	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dichloropropane	U		1.02	4.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloropropene	U		0.560	2.00	20	02/24/2021 02:40	WG1624535
1,3-Dichloropropane	U		1.40	4.00	20	02/24/2021 02:40	WG1624535
cis-1,3-Dichloropropene	U		0.542	2.00	20	02/24/2021 02:40	WG1624535
trans-1,3-Dichloropropene	U		1.22	4.00	20	02/24/2021 02:40	WG1624535
2,2-Dichloropropane	U		0.634	2.00	20	02/24/2021 02:40	WG1624535
Di-isopropyl ether	U		0.280	0.800	20	02/24/2021 02:40	WG1624535
Ethylbenzene	U		0.424	2.00	20	02/24/2021 02:40	WG1624535
Hexachloro-1,3-butadiene	U		10.2	20.0	20	02/24/2021 02:40	WG1624535
Isopropylbenzene	U		0.690	2.00	20	02/24/2021 02:40	WG1624535
p-Isopropyltoluene	U		1.86	4.00	20	02/24/2021 02:40	WG1624535
2-Butanone (MEK)	U		10.0	20.0	20	02/24/2021 02:40	WG1624535
Methylene Chloride	U		5.30	20.0	20	02/24/2021 02:40	WG1624535
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	02/24/2021 02:40	WG1624535
Methyl tert-butyl ether	U		0.236	0.800	20	02/24/2021 02:40	WG1624535
Naphthalene	U		2.48	10.0	20	02/24/2021 02:40	WG1624535
n-Propylbenzene	U		0.944	4.00	20	02/24/2021 02:40	WG1624535
Styrene	U		2.18	10.0	20	02/24/2021 02:40	WG1624535
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	02/24/2021 02:40	WG1624535
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	02/24/2021 02:40	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	02/24/2021 02:40	WG1624535
Tetrachloroethene	2.40		0.560	2.00	20	02/24/2021 02:40	WG1624535
Toluene	U		1.00	4.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trichlorobenzene	U		0.500	10.0	20	02/24/2021 02:40	WG1624535
1,2,4-Trichlorobenzene	U		3.86	10.0	20	02/24/2021 02:40	WG1624535
1,1,1-Trichloroethane	U		0.220	2.00	20	02/24/2021 02:40	WG1624535



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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		0.706	2.00	20	02/24/2021 02:40	WG1624535
Trichloroethene	0.840		0.320	0.800	20	02/24/2021 02:40	WG1624535
Trichlorofluoromethane	U		0.400	2.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trichloropropane	U		4.08	10.0	20	02/24/2021 02:40	WG1624535
1,2,4-Trimethylbenzene	U		0.928	4.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trimethylbenzene	U		0.920	4.00	20	02/24/2021 02:40	WG1624535
1,3,5-Trimethylbenzene	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Vinyl chloride	1230		0.546	2.00	20	02/24/2021 02:40	WG1624535
Xylenes, Total	U		3.82	5.20	20	02/24/2021 02:40	WG1624535
Ethyl Ether	U		0.340	2.00	20	02/24/2021 02:40	WG1624535
Tetrahydrofuran	4.24	J	1.80	10.0	20	02/24/2021 02:40	WG1624535
Iodomethane	U		4.84	10.0	20	02/24/2021 02:40	WG1624535
Allyl chloride	U		11.6	20.0	20	02/24/2021 02:40	WG1624535
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	02/24/2021 02:40	WG1624535
(S) Toluene-d8	89.3			75.0-131		02/24/2021 02:40	WG1624535
(S) Toluene-d8	89.6			75.0-131		02/24/2021 23:02	WG1625020
(S) 4-Bromofluorobenzene	108			67.0-138		02/24/2021 02:40	WG1624535
(S) 4-Bromofluorobenzene	109			67.0-138		02/24/2021 23:02	WG1625020
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 02:40	WG1624535
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2021 23:02	WG1625020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

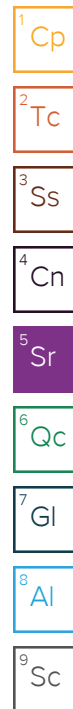
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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		110	200	200	02/24/2021 23:21	WG1625020
Acrylonitrile	U		15.2	100	200	02/24/2021 23:21	WG1625020
Benzene	U		3.20	8.00	200	02/24/2021 23:21	WG1625020
Bromobenzene	U		8.40	100	200	02/24/2021 23:21	WG1625020
Bromodichloromethane	U		6.30	20.0	200	02/24/2021 23:21	WG1625020
Bromoform	U		47.8	200	200	02/24/2021 23:21	WG1625020
Bromomethane	U		29.6	100	200	02/24/2021 23:21	WG1625020
n-Butylbenzene	U		30.6	100	200	02/24/2021 23:21	WG1625020
sec-Butylbenzene	U		20.2	100	200	02/24/2021 23:21	WG1625020
tert-Butylbenzene	U		12.4	40.0	200	02/24/2021 23:21	WG1625020
Carbon tetrachloride	U		8.64	40.0	200	02/24/2021 23:21	WG1625020
Chlorobenzene	U		4.58	20.0	200	02/24/2021 23:21	WG1625020
Chlorodibromomethane	U		3.60	20.0	200	02/24/2021 23:21	WG1625020
Chloroethane	50.2		8.64	40.0	200	02/25/2021 18:45	WG1625529
Chloroform	U		3.32	20.0	200	02/24/2021 23:21	WG1625020
Chloromethane	U		11.1	100	200	02/24/2021 23:21	WG1625020
2-Chlorotoluene	U		7.36	20.0	200	02/24/2021 23:21	WG1625020
4-Chlorotoluene	U		9.04	40.0	200	02/24/2021 23:21	WG1625020
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	02/24/2021 23:21	WG1625020
1,2-Dibromoethane	U		4.20	20.0	200	02/24/2021 23:21	WG1625020
Dibromomethane	U		8.00	40.0	200	02/24/2021 23:21	WG1625020
1,2-Dichlorobenzene	U		11.6	40.0	200	02/24/2021 23:21	WG1625020
1,3-Dichlorobenzene	U		13.6	40.0	200	02/24/2021 23:21	WG1625020
1,4-Dichlorobenzene	U		15.8	40.0	200	02/24/2021 23:21	WG1625020
Dichlorodifluoromethane	U		6.54	20.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloroethane	U		4.60	20.0	200	02/24/2021 23:21	WG1625020
1,2-Dichloroethane	U		3.80	20.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloroethene	34.4		4.00	20.0	200	02/25/2021 18:45	WG1625529
cis-1,2-Dichloroethene	12800		5.52	20.0	200	02/24/2021 23:21	WG1625020
trans-1,2-Dichloroethene	50.0		11.4	40.0	200	02/25/2021 18:45	WG1625529
1,2-Dichloropropane	U		10.2	40.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloropropene	U		5.60	20.0	200	02/24/2021 23:21	WG1625020
1,3-Dichloropropane	U		14.0	40.0	200	02/24/2021 23:21	WG1625020
cis-1,3-Dichloropropene	U		5.42	20.0	200	02/24/2021 23:21	WG1625020
trans-1,3-Dichloropropene	U		12.2	40.0	200	02/24/2021 23:21	WG1625020
2,2-Dichloropropane	U	~~J4~~	6.34	20.0	200	02/24/2021 23:21	WG1625020
Di-isopropyl ether	U		2.80	8.00	200	02/24/2021 23:21	WG1625020
Ethylbenzene	U		4.24	20.0	200	02/24/2021 23:21	WG1625020
Hexachloro-1,3-butadiene	U		102	200	200	02/24/2021 23:21	WG1625020
Isopropylbenzene	U		6.90	20.0	200	02/24/2021 23:21	WG1625020
p-Isopropyltoluene	U		18.6	40.0	200	02/24/2021 23:21	WG1625020
2-Butanone (MEK)	U		100	200	200	02/24/2021 23:21	WG1625020
Methylene Chloride	U		53.0	200	200	02/24/2021 23:21	WG1625020
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	02/24/2021 23:21	WG1625020
Methyl tert-butyl ether	U		2.36	8.00	200	02/24/2021 23:21	WG1625020
Naphthalene	U	UJ C3	24.8	100	200	02/24/2021 23:21	WG1625020
n-Propylbenzene	U		9.44	40.0	200	02/24/2021 23:21	WG1625020
Styrene	U		21.8	100	200	02/24/2021 23:21	WG1625020
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	02/24/2021 23:21	WG1625020
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	02/24/2021 23:21	WG1625020
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	02/24/2021 23:21	WG1625020
Tetrachloroethene	10900		5.60	20.0	200	02/24/2021 23:21	WG1625020
Toluene	U		10.0	40.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trichlorobenzene	U	UJ C4	5.00	100	200	02/24/2021 23:21	WG1625020
1,2,4-Trichlorobenzene	U	UJ C4	38.6	100	200	02/24/2021 23:21	WG1625020
1,1,1-Trichloroethane	U	~~J4~~	2.20	20.0	200	02/24/2021 23:21	WG1625020



JC 3/15/2021



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		7.06	20.0	200	02/24/2021 23:21	WG1625020
Trichloroethene	2010		3.20	8.00	200	02/24/2021 23:21	WG1625020
Trichlorofluoromethane	U		4.00	20.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trichloropropane	U		40.8	100	200	02/24/2021 23:21	WG1625020
1,2,4-Trimethylbenzene	U		9.28	40.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trimethylbenzene	U	J4	9.20	40.0	200	02/24/2021 23:21	WG1625020
1,3,5-Trimethylbenzene	U		8.64	40.0	200	02/24/2021 23:21	WG1625020
Vinyl chloride	6310		5.46	20.0	200	02/24/2021 23:21	WG1625020
Xylenes, Total	U		38.2	52.0	200	02/24/2021 23:21	WG1625020
Ethyl Ether	U		3.40	20.0	200	02/24/2021 23:21	WG1625020
Tetrahydrofuran	U		18.0	100	200	02/24/2021 23:21	WG1625020
Iodomethane	U		48.4	100	200	02/24/2021 23:21	WG1625020
Allyl chloride	U	J4	116	200	200	02/24/2021 23:21	WG1625020
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	02/24/2021 23:21	WG1625020
(S) Toluene-d8	91.3			75.0-131		02/24/2021 23:21	WG1625020
(S) Toluene-d8	99.0			75.0-131		02/25/2021 18:45	WG1625529
(S) 4-Bromofluorobenzene	109			67.0-138		02/24/2021 23:21	WG1625020
(S) 4-Bromofluorobenzene	101			67.0-138		02/25/2021 18:45	WG1625529
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/24/2021 23:21	WG1625020
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/25/2021 18:45	WG1625529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

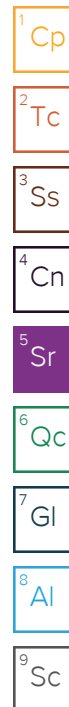
9 Sc

JC 3/15/2021



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	1.24		0.548	1.00	1	02/24/2021 04:14	WG1624535
Acrylonitrile	U		0.0760	0.500	1	02/24/2021 04:14	WG1624535
Benzene	U		0.0160	0.0400	1	02/24/2021 04:14	WG1624535
Bromobenzene	U		0.0420	0.500	1	02/24/2021 04:14	WG1624535
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 04:14	WG1624535
Bromoform	U		0.239	1.00	1	02/24/2021 04:14	WG1624535
Bromomethane	U		0.148	0.500	1	02/24/2021 04:14	WG1624535
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 04:14	WG1624535
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 04:14	WG1624535
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 04:14	WG1624535
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 04:14	WG1624535
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 04:14	WG1624535
Chloroethane	5.00		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Chloroform	U		0.0166	0.100	1	02/24/2021 04:14	WG1624535
Chloromethane	U		0.0556	0.500	1	02/24/2021 04:14	WG1624535
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 04:14	WG1624535
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 04:14	WG1624535
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 04:14	WG1624535
Dibromomethane	U		0.0400	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 04:14	WG1624535
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 04:14	WG1624535
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 04:14	WG1624535
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 04:14	WG1624535
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 04:14	WG1624535
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 04:14	WG1624535
1,1-Dichloroethene	2.59		0.0200	0.100	1	02/24/2021 04:14	WG1624535
cis-1,2-Dichloroethene	162		0.138	0.500	5	02/24/2021 23:40	WG1625020
trans-1,2-Dichloroethene	3.46		0.0572	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 04:14	WG1624535
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 04:14	WG1624535
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 04:14	WG1624535
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 04:14	WG1624535
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 04:14	WG1624535
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 04:14	WG1624535
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 04:14	WG1624535
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 04:14	WG1624535
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 04:14	WG1624535
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 04:14	WG1624535
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 04:14	WG1624535
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 04:14	WG1624535
Methylene Chloride	U		0.265	1.00	1	02/24/2021 04:14	WG1624535
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 04:14	WG1624535
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 04:14	WG1624535
Naphthalene	U		0.124	0.500	1	02/24/2021 04:14	WG1624535
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 04:14	WG1624535
Styrene	U		0.109	0.500	1	02/24/2021 04:14	WG1624535
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 04:14	WG1624535
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 04:14	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 04:14	WG1624535
Tetrachloroethene	46.8		0.0280	0.100	1	02/24/2021 04:14	WG1624535
Toluene	U		0.0500	0.200	1	02/24/2021 04:14	WG1624535
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 04:14	WG1624535
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 04:14	WG1624535
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 04:14	WG1624535



JC 3/15/2021



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	02/24/2021 04:14	WG1624535
Trichloroethene	8.00		0.0160	0.0400	1	02/24/2021 04:14	WG1624535
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 04:14	WG1624535
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 04:14	WG1624535
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 04:14	WG1624535
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2021 04:14	WG1624535
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Vinyl chloride	308		0.137	0.500	5	02/24/2021 23:40	WG1625020
Xylenes, Total	U		0.191	0.260	1	02/24/2021 04:14	WG1624535
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 04:14	WG1624535
Tetrahydrofuran	0.235	U	0.0900	0.500	1	02/24/2021 04:14	WG1624535
Iodomethane	U		0.242	0.500	1	02/24/2021 04:14	WG1624535
Allyl chloride	U		0.580	1.00	1	02/24/2021 04:14	WG1624535
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 04:14	WG1624535
(S) Toluene-d8	92.4			75.0-131		02/24/2021 04:14	WG1624535
(S) Toluene-d8	90.1			75.0-131		02/24/2021 23:40	WG1625020
(S) 4-Bromofluorobenzene	108			67.0-138		02/24/2021 04:14	WG1624535
(S) 4-Bromofluorobenzene	110			67.0-138		02/24/2021 23:40	WG1625020
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 04:14	WG1624535
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/24/2021 23:40	WG1625020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021



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	667		274	500	500	02/24/2021 03:17	WG1624535
Acrylonitrile	U		38.0	250	500	02/24/2021 03:17	WG1624535
Benzene	U		8.00	20.0	500	02/24/2021 03:17	WG1624535
Bromobenzene	U		21.0	250	500	02/24/2021 03:17	WG1624535
Bromodichloromethane	U		15.8	50.0	500	02/24/2021 03:17	WG1624535
Bromoform	U		120	500	500	02/24/2021 03:17	WG1624535
Bromomethane	U		74.0	250	500	02/24/2021 03:17	WG1624535
n-Butylbenzene	U		76.5	250	500	02/24/2021 03:17	WG1624535
sec-Butylbenzene	U		50.5	250	500	02/24/2021 03:17	WG1624535
tert-Butylbenzene	U		31.0	100	500	02/24/2021 03:17	WG1624535
Carbon tetrachloride	U		21.6	100	500	02/24/2021 03:17	WG1624535
Chlorobenzene	U		11.5	50.0	500	02/24/2021 03:17	WG1624535
Chlorodibromomethane	U		9.00	50.0	500	02/24/2021 03:17	WG1624535
Chloroethane	U		21.6	100	500	02/24/2021 03:17	WG1624535
Chloroform	U		8.30	50.0	500	02/24/2021 03:17	WG1624535
Chloromethane	U		27.8	250	500	02/24/2021 03:17	WG1624535
2-Chlorotoluene	U		18.4	50.0	500	02/24/2021 03:17	WG1624535
4-Chlorotoluene	U		22.6	100	500	02/24/2021 03:17	WG1624535
1,2-Dibromo-3-Chloropropane	U		102	500	500	02/24/2021 03:17	WG1624535
1,2-Dibromoethane	U		10.5	50.0	500	02/24/2021 03:17	WG1624535
Dibromomethane	U		20.0	100	500	02/24/2021 03:17	WG1624535
1,2-Dichlorobenzene	U		29.0	100	500	02/24/2021 03:17	WG1624535
1,3-Dichlorobenzene	U		34.0	100	500	02/24/2021 03:17	WG1624535
1,4-Dichlorobenzene	U		39.4	100	500	02/24/2021 03:17	WG1624535
Dichlorodifluoromethane	U		16.4	50.0	500	02/24/2021 03:17	WG1624535
1,1-Dichloroethane	U		11.5	50.0	500	02/24/2021 03:17	WG1624535
1,2-Dichloroethane	U		9.50	50.0	500	02/24/2021 03:17	WG1624535
1,1-Dichloroethene	163		10.0	50.0	500	02/24/2021 03:17	WG1624535
cis-1,2-Dichloroethene	87400		55.2	200	2000	02/24/2021 23:59	WG1625020
trans-1,2-Dichloroethene	269		28.6	100	500	02/24/2021 03:17	WG1624535
1,2-Dichloropropane	U		25.4	100	500	02/24/2021 03:17	WG1624535
1,1-Dichloropropene	U		14.0	50.0	500	02/24/2021 03:17	WG1624535
1,3-Dichloropropane	U		35.0	100	500	02/24/2021 03:17	WG1624535
cis-1,3-Dichloropropene	U		13.6	50.0	500	02/24/2021 03:17	WG1624535
trans-1,3-Dichloropropene	U		30.6	100	500	02/24/2021 03:17	WG1624535
2,2-Dichloropropane	U		15.9	50.0	500	02/24/2021 03:17	WG1624535
Di-isopropyl ether	U		7.00	20.0	500	02/24/2021 03:17	WG1624535
Ethylbenzene	U		10.6	50.0	500	02/24/2021 03:17	WG1624535
Hexachloro-1,3-butadiene	U		254	500	500	02/24/2021 03:17	WG1624535
Isopropylbenzene	U		17.2	50.0	500	02/24/2021 03:17	WG1624535
p-Isopropyltoluene	U		46.6	100	500	02/24/2021 03:17	WG1624535
2-Butanone (MEK)	U		250	500	500	02/24/2021 03:17	WG1624535
Methylene Chloride	U		133	500	500	02/24/2021 03:17	WG1624535
4-Methyl-2-pentanone (MIBK)	U		200	500	500	02/24/2021 03:17	WG1624535
Methyl tert-butyl ether	U		5.90	20.0	500	02/24/2021 03:17	WG1624535
Naphthalene	U		62.0	250	500	02/24/2021 03:17	WG1624535
n-Propylbenzene	U		23.6	100	500	02/24/2021 03:17	WG1624535
Styrene	U		54.5	250	500	02/24/2021 03:17	WG1624535
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	02/24/2021 03:17	WG1624535
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	02/24/2021 03:17	WG1624535
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	02/24/2021 03:17	WG1624535
Tetrachloroethene	259		14.0	50.0	500	02/24/2021 03:17	WG1624535
Toluene	U		25.0	100	500	02/24/2021 03:17	WG1624535
1,2,3-Trichlorobenzene	U		12.5	250	500	02/24/2021 03:17	WG1624535
1,2,4-Trichlorobenzene	U		96.5	250	500	02/24/2021 03:17	WG1624535
1,1,1-Trichloroethane	U		5.50	50.0	500	02/24/2021 03:17	WG1624535

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021



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		17.7	50.0	500	02/24/2021 03:17	WG1624535
Trichloroethene	99.5		8.00	20.0	500	02/24/2021 03:17	WG1624535
Trichlorofluoromethane	U		10.0	50.0	500	02/24/2021 03:17	WG1624535
1,2,3-Trichloropropane	U		102	250	500	02/24/2021 03:17	WG1624535
1,2,4-Trimethylbenzene	U		23.2	100	500	02/24/2021 03:17	WG1624535
1,2,3-Trimethylbenzene	U		23.0	100	500	02/24/2021 03:17	WG1624535
1,3,5-Trimethylbenzene	U		21.6	100	500	02/24/2021 03:17	WG1624535
Vinyl chloride	31100		13.6	50.0	500	02/24/2021 03:17	WG1624535
Xylenes, Total	U		95.5	130	500	02/24/2021 03:17	WG1624535
Ethyl Ether	U		8.50	50.0	500	02/24/2021 03:17	WG1624535
Tetrahydrofuran	U		45.0	250	500	02/24/2021 03:17	WG1624535
Iodomethane	U		121	250	500	02/24/2021 03:17	WG1624535
Allyl chloride	U		290	500	500	02/24/2021 03:17	WG1624535
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	02/24/2021 03:17	WG1624535
(S) Toluene-d8	91.6			75.0-131		02/24/2021 03:17	WG1624535
(S) Toluene-d8	91.0			75.0-131		02/24/2021 23:59	WG1625020
(S) 4-Bromofluorobenzene	108			67.0-138		02/24/2021 03:17	WG1624535
(S) 4-Bromofluorobenzene	109			67.0-138		02/24/2021 23:59	WG1625020
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 03:17	WG1624535
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/24/2021 23:59	WG1625020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

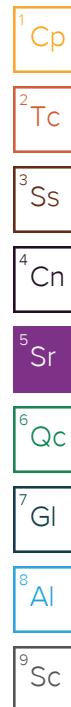
JC 3/15/2021



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	1.94		0.548	1.00	1	02/23/2021 23:49	WG1624535
Acrylonitrile	U		0.0760	0.500	1	02/23/2021 23:49	WG1624535
Benzene	0.0510		0.0160	0.0400	1	02/23/2021 23:49	WG1624535
Bromobenzene	U		0.0420	0.500	1	02/23/2021 23:49	WG1624535
Bromodichloromethane	U		0.0315	0.100	1	02/23/2021 23:49	WG1624535
Bromoform	U		0.239	1.00	1	02/23/2021 23:49	WG1624535
Bromomethane	U		0.148	0.500	1	02/23/2021 23:49	WG1624535
n-Butylbenzene	U		0.153	0.500	1	02/23/2021 23:49	WG1624535
sec-Butylbenzene	U		0.101	0.500	1	02/23/2021 23:49	WG1624535
tert-Butylbenzene	U		0.0620	0.200	1	02/23/2021 23:49	WG1624535
Carbon tetrachloride	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Chlorobenzene	U		0.0229	0.100	1	02/23/2021 23:49	WG1624535
Chlorodibromomethane	U		0.0180	0.100	1	02/23/2021 23:49	WG1624535
Chloroethane	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Chloroform	U		0.0166	0.100	1	02/23/2021 23:49	WG1624535
Chloromethane	U		0.0556	0.500	1	02/23/2021 23:49	WG1624535
2-Chlorotoluene	U		0.0368	0.100	1	02/23/2021 23:49	WG1624535
4-Chlorotoluene	U		0.0452	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/23/2021 23:49	WG1624535
1,2-Dibromoethane	U		0.0210	0.100	1	02/23/2021 23:49	WG1624535
Dibromomethane	U		0.0400	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/23/2021 23:49	WG1624535
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/23/2021 23:49	WG1624535
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/23/2021 23:49	WG1624535
Dichlorodifluoromethane	U		0.0327	0.100	1	02/23/2021 23:49	WG1624535
1,1-Dichloroethane	U		0.0230	0.100	1	02/23/2021 23:49	WG1624535
1,2-Dichloroethane	U		0.0190	0.100	1	02/23/2021 23:49	WG1624535
1,1-Dichloroethene	16.2		0.0200	0.100	1	02/23/2021 23:49	WG1624535
cis-1,2-Dichloroethene	4950		6.90	25.0	250	02/25/2021 19:04	WG1625529
trans-1,2-Dichloroethene	12.3		0.0572	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dichloropropane	U		0.0508	0.200	1	02/23/2021 23:49	WG1624535
1,1-Dichloropropene	U		0.0280	0.100	1	02/23/2021 23:49	WG1624535
1,3-Dichloropropane	U		0.0700	0.200	1	02/23/2021 23:49	WG1624535
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/23/2021 23:49	WG1624535
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/23/2021 23:49	WG1624535
2,2-Dichloropropane	U		0.0317	0.100	1	02/23/2021 23:49	WG1624535
Di-isopropyl ether	U		0.0140	0.0400	1	02/23/2021 23:49	WG1624535
Ethylbenzene	U		0.0212	0.100	1	02/23/2021 23:49	WG1624535
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/23/2021 23:49	WG1624535
Isopropylbenzene	U		0.0345	0.100	1	02/23/2021 23:49	WG1624535
p-Isopropyltoluene	U		0.0932	0.200	1	02/23/2021 23:49	WG1624535
2-Butanone (MEK)	U		0.500	1.00	1	02/23/2021 23:49	WG1624535
Methylene Chloride	U		0.265	1.00	1	02/23/2021 23:49	WG1624535
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/23/2021 23:49	WG1624535
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/23/2021 23:49	WG1624535
Naphthalene	U		0.124	0.500	1	02/23/2021 23:49	WG1624535
n-Propylbenzene	U		0.0472	0.200	1	02/23/2021 23:49	WG1624535
Styrene	U		0.109	0.500	1	02/23/2021 23:49	WG1624535
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/23/2021 23:49	WG1624535
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/23/2021 23:49	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/23/2021 23:49	WG1624535
Tetrachloroethene	2.28		0.0280	0.100	1	02/23/2021 23:49	WG1624535
Toluene	0.131	J	0.0500	0.200	1	02/23/2021 23:49	WG1624535
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/23/2021 23:49	WG1624535
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/23/2021 23:49	WG1624535
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/23/2021 23:49	WG1624535

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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	02/23/2021 23:49	WG1624535
Trichloroethene	17.3		0.0160	0.0400	1	02/23/2021 23:49	WG1624535
Trichlorofluoromethane	U		0.0200	0.100	1	02/23/2021 23:49	WG1624535
1,2,3-Trichloropropane	U		0.204	0.500	1	02/23/2021 23:49	WG1624535
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/23/2021 23:49	WG1624535
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/23/2021 23:49	WG1624535
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Vinyl chloride	2260		1.36	5.00	50	02/25/2021 00:18	WG1625020
Xylenes, Total	U		0.191	0.260	1	02/23/2021 23:49	WG1624535
Ethyl Ether	U		0.0170	0.100	1	02/23/2021 23:49	WG1624535
Tetrahydrofuran	U		0.0900	0.500	1	02/23/2021 23:49	WG1624535
Iodomethane	U		0.242	0.500	1	02/23/2021 23:49	WG1624535
Allyl chloride	U		0.580	1.00	1	02/23/2021 23:49	WG1624535
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/23/2021 23:49	WG1624535
(S) Toluene-d8	94.9			75.0-131		02/23/2021 23:49	WG1624535
(S) Toluene-d8	90.9			75.0-131		02/25/2021 00:18	WG1625020
(S) Toluene-d8	98.6			75.0-131		02/25/2021 19:04	WG1625529
(S) 4-Bromofluorobenzene	99.1			67.0-138		02/23/2021 23:49	WG1624535
(S) 4-Bromofluorobenzene	109			67.0-138		02/25/2021 00:18	WG1625020
(S) 4-Bromofluorobenzene	98.8			67.0-138		02/25/2021 19:04	WG1625529
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/23/2021 23:49	WG1624535
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/25/2021 00:18	WG1625020
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		02/25/2021 19:04	WG1625529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

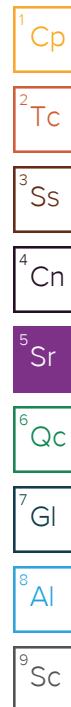
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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		54.8	100	100	02/25/2021 00:37	WG1625020
Acrylonitrile	U		7.60	50.0	100	02/25/2021 00:37	WG1625020
Benzene	U		1.60	4.00	100	02/25/2021 00:37	WG1625020
Bromobenzene	U		4.20	50.0	100	02/25/2021 00:37	WG1625020
Bromodichloromethane	U		3.15	10.0	100	02/25/2021 00:37	WG1625020
Bromoform	U		23.9	100	100	02/25/2021 00:37	WG1625020
Bromomethane	U		14.8	50.0	100	02/25/2021 00:37	WG1625020
n-Butylbenzene	U		15.3	50.0	100	02/25/2021 00:37	WG1625020
sec-Butylbenzene	U		10.1	50.0	100	02/25/2021 00:37	WG1625020
tert-Butylbenzene	U		6.20	20.0	100	02/25/2021 00:37	WG1625020
Carbon tetrachloride	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Chlorobenzene	U		2.29	10.0	100	02/25/2021 00:37	WG1625020
Chlorodibromomethane	U		1.80	10.0	100	02/25/2021 00:37	WG1625020
Chloroethane	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Chloroform	U		1.66	10.0	100	02/25/2021 00:37	WG1625020
Chloromethane	U		5.56	50.0	100	02/25/2021 00:37	WG1625020
2-Chlorotoluene	U		3.68	10.0	100	02/25/2021 00:37	WG1625020
4-Chlorotoluene	U		4.52	20.0	100	02/25/2021 00:37	WG1625020
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	02/25/2021 00:37	WG1625020
1,2-Dibromoethane	U		2.10	10.0	100	02/25/2021 00:37	WG1625020
Dibromomethane	U		4.00	20.0	100	02/25/2021 00:37	WG1625020
1,2-Dichlorobenzene	U		5.80	20.0	100	02/25/2021 00:37	WG1625020
1,3-Dichlorobenzene	U		6.80	20.0	100	02/25/2021 00:37	WG1625020
1,4-Dichlorobenzene	U		7.88	20.0	100	02/25/2021 00:37	WG1625020
Dichlorodifluoromethane	U		3.27	10.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloroethane	U		2.30	10.0	100	02/25/2021 00:37	WG1625020
1,2-Dichloroethane	U		1.90	10.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloroethene	9.60	J	2.00	10.0	100	02/25/2021 19:23	WG1625529
cis-1,2-Dichloroethene	1460		2.76	10.0	100	02/25/2021 00:37	WG1625020
trans-1,2-Dichloroethene	43.4		5.72	20.0	100	02/25/2021 19:23	WG1625529
1,2-Dichloropropane	U		5.08	20.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloropropene	U		2.80	10.0	100	02/25/2021 00:37	WG1625020
1,3-Dichloropropane	U		7.00	20.0	100	02/25/2021 00:37	WG1625020
cis-1,3-Dichloropropene	U		2.71	10.0	100	02/25/2021 00:37	WG1625020
trans-1,3-Dichloropropene	U		6.12	20.0	100	02/25/2021 00:37	WG1625020
2,2-Dichloropropane	U	J4	3.17	10.0	100	02/25/2021 00:37	WG1625020
Di-isopropyl ether	U		1.40	4.00	100	02/25/2021 00:37	WG1625020
Ethylbenzene	U		2.12	10.0	100	02/25/2021 00:37	WG1625020
Hexachloro-1,3-butadiene	U		50.8	100	100	02/25/2021 00:37	WG1625020
Isopropylbenzene	U		3.45	10.0	100	02/25/2021 00:37	WG1625020
p-Isopropyltoluene	U		9.32	20.0	100	02/25/2021 00:37	WG1625020
2-Butanone (MEK)	U		50.0	100	100	02/25/2021 00:37	WG1625020
Methylene Chloride	U		26.5	100	100	02/25/2021 00:37	WG1625020
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	02/25/2021 00:37	WG1625020
Methyl tert-butyl ether	U		1.18	4.00	100	02/25/2021 00:37	WG1625020
Naphthalene	U	UJ C3	12.4	50.0	100	02/25/2021 00:37	WG1625020
n-Propylbenzene	U		4.72	20.0	100	02/25/2021 00:37	WG1625020
Styrene	U		10.9	50.0	100	02/25/2021 00:37	WG1625020
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	02/25/2021 00:37	WG1625020
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	02/25/2021 00:37	WG1625020
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	02/25/2021 00:37	WG1625020
Tetrachloroethene	U		2.80	10.0	100	02/25/2021 00:37	WG1625020
Toluene	U		5.00	20.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	02/25/2021 00:37	WG1625020
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	02/25/2021 00:37	WG1625020
1,1,1-Trichloroethane	U	J4	1.10	10.0	100	02/25/2021 00:37	WG1625020

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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		3.53	10.0	100	02/25/2021 00:37	WG1625020
Trichloroethene	U		1.60	4.00	100	02/25/2021 00:37	WG1625020
Trichlorofluoromethane	U		2.00	10.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trichloropropane	U		20.4	50.0	100	02/25/2021 00:37	WG1625020
1,2,4-Trimethylbenzene	U		4.64	20.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trimethylbenzene	U	J4	4.60	20.0	100	02/25/2021 00:37	WG1625020
1,3,5-Trimethylbenzene	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Vinyl chloride	7850		2.73	10.0	100	02/25/2021 00:37	WG1625020
Xylenes, Total	U		19.1	26.0	100	02/25/2021 00:37	WG1625020
Ethyl Ether	U		1.70	10.0	100	02/25/2021 00:37	WG1625020
Tetrahydrofuran	U		9.00	50.0	100	02/25/2021 00:37	WG1625020
Iodomethane	U		24.2	50.0	100	02/25/2021 00:37	WG1625020
Allyl chloride	U	J4	58.0	100	100	02/25/2021 00:37	WG1625020
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	02/25/2021 00:37	WG1625020
(S) Toluene-d8	93.0			75.0-131		02/25/2021 00:37	WG1625020
(S) Toluene-d8	99.0			75.0-131		02/25/2021 19:23	WG1625529
(S) 4-Bromofluorobenzene	105			67.0-138		02/25/2021 00:37	WG1625020
(S) 4-Bromofluorobenzene	103			67.0-138		02/25/2021 19:23	WG1625529
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/25/2021 00:37	WG1625020
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/25/2021 19:23	WG1625529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

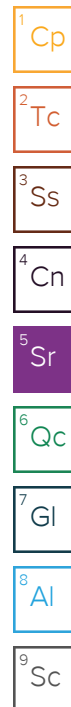
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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	02/25/2021 00:56	WG1625020
Acrylonitrile	U		0.760	5.00	10	02/25/2021 00:56	WG1625020
Benzene	U		0.160	0.400	10	02/25/2021 00:56	WG1625020
Bromobenzene	U		0.420	5.00	10	02/25/2021 00:56	WG1625020
Bromodichloromethane	U		0.315	1.00	10	02/25/2021 00:56	WG1625020
Bromoform	U		2.39	10.0	10	02/25/2021 00:56	WG1625020
Bromomethane	U		1.48	5.00	10	02/25/2021 00:56	WG1625020
n-Butylbenzene	U		1.53	5.00	10	02/25/2021 00:56	WG1625020
sec-Butylbenzene	U		1.01	5.00	10	02/25/2021 00:56	WG1625020
tert-Butylbenzene	U		0.620	2.00	10	02/25/2021 00:56	WG1625020
Carbon tetrachloride	U		0.432	2.00	10	02/25/2021 00:56	WG1625020
Chlorobenzene	U		0.229	1.00	10	02/25/2021 00:56	WG1625020
Chlorodibromomethane	U		0.180	1.00	10	02/25/2021 00:56	WG1625020
Chloroethane	33.8		0.432	2.00	10	02/25/2021 19:42	WG1625529
Chloroform	U		0.166	1.00	10	02/25/2021 00:56	WG1625020
Chloromethane	U		0.556	5.00	10	02/25/2021 00:56	WG1625020
2-Chlorotoluene	U		0.368	1.00	10	02/25/2021 00:56	WG1625020
4-Chlorotoluene	U		0.452	2.00	10	02/25/2021 00:56	WG1625020
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/25/2021 00:56	WG1625020
1,2-Dibromoethane	U		0.210	1.00	10	02/25/2021 00:56	WG1625020
Dibromomethane	U		0.400	2.00	10	02/25/2021 00:56	WG1625020
1,2-Dichlorobenzene	U		0.580	2.00	10	02/25/2021 00:56	WG1625020
1,3-Dichlorobenzene	U		0.680	2.00	10	02/25/2021 00:56	WG1625020
1,4-Dichlorobenzene	U		0.788	2.00	10	02/25/2021 00:56	WG1625020
Dichlorodifluoromethane	U		0.327	1.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloroethane	U		0.230	1.00	10	02/25/2021 00:56	WG1625020
1,2-Dichloroethane	U		0.190	1.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloroethene	19.2		0.200	1.00	10	02/25/2021 19:42	WG1625529
cis-1,2-Dichloroethene	432		0.276	1.00	10	02/25/2021 00:56	WG1625020
trans-1,2-Dichloroethene	5.52		0.572	2.00	10	02/25/2021 19:42	WG1625529
1,2-Dichloropropane	U		0.508	2.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloropropene	U		0.280	1.00	10	02/25/2021 00:56	WG1625020
1,3-Dichloropropane	U		0.700	2.00	10	02/25/2021 00:56	WG1625020
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/25/2021 00:56	WG1625020
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/25/2021 00:56	WG1625020
2,2-Dichloropropane	U	~~J4~~	0.317	1.00	10	02/25/2021 00:56	WG1625020
Di-isopropyl ether	U		0.140	0.400	10	02/25/2021 00:56	WG1625020
Ethylbenzene	U		0.212	1.00	10	02/25/2021 00:56	WG1625020
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/25/2021 00:56	WG1625020
Isopropylbenzene	U		0.345	1.00	10	02/25/2021 00:56	WG1625020
p-Isopropyltoluene	U		0.932	2.00	10	02/25/2021 00:56	WG1625020
2-Butanone (MEK)	U		5.00	10.0	10	02/25/2021 00:56	WG1625020
Methylene Chloride	U		2.65	10.0	10	02/25/2021 00:56	WG1625020
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/25/2021 00:56	WG1625020
Methyl tert-butyl ether	U		0.118	0.400	10	02/25/2021 00:56	WG1625020
Naphthalene	U	UJ ~~C3~~	1.24	5.00	10	02/25/2021 00:56	WG1625020
n-Propylbenzene	U		0.472	2.00	10	02/25/2021 00:56	WG1625020
Styrene	U		1.09	5.00	10	02/25/2021 00:56	WG1625020
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/25/2021 00:56	WG1625020
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/25/2021 00:56	WG1625020
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/25/2021 00:56	WG1625020
Tetrachloroethene	305		0.280	1.00	10	02/25/2021 00:56	WG1625020
Toluene	U		0.500	2.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trichlorobenzene	U	UJ ~~C4~~	0.250	5.00	10	02/25/2021 00:56	WG1625020
1,2,4-Trichlorobenzene	U	UJ ~~C4~~	1.93	5.00	10	02/25/2021 00:56	WG1625020
1,1,1-Trichloroethane	U	~~J4~~	0.110	1.00	10	02/25/2021 00:56	WG1625020

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Collected date/time: 02/19/21 15:35

L1318319

Volatile Organic 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	02/25/2021 00:56	WG1625020
Trichloroethene	271		0.160	0.400	10	02/25/2021 00:56	WG1625020
Trichlorofluoromethane	U		0.200	1.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trichloropropane	U		2.04	5.00	10	02/25/2021 00:56	WG1625020
1,2,4-Trimethylbenzene	U		0.464	2.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trimethylbenzene	U	<u>54</u>	0.460	2.00	10	02/25/2021 00:56	WG1625020
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/25/2021 00:56	WG1625020
Vinyl chloride	8.80		0.273	1.00	10	02/25/2021 00:56	WG1625020
Xylenes, Total	U		1.91	2.60	10	02/25/2021 00:56	WG1625020
Ethyl Ether	U		0.170	1.00	10	02/25/2021 00:56	WG1625020
Tetrahydrofuran	U		0.900	5.00	10	02/25/2021 00:56	WG1625020
Iodomethane	U		2.42	5.00	10	02/25/2021 00:56	WG1625020
Allyl chloride	U	<u>54</u>	5.80	10.0	10	02/25/2021 00:56	WG1625020
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/25/2021 00:56	WG1625020
(S) Toluene-d8	94.3			75.0-131		02/25/2021 00:56	WG1625020
(S) Toluene-d8	99.4			75.0-131		02/25/2021 19:42	WG1625529
(S) 4-Bromofluorobenzene	107			67.0-138		02/25/2021 00:56	WG1625020
(S) 4-Bromofluorobenzene	103			67.0-138		02/25/2021 19:42	WG1625529
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/25/2021 00:56	WG1625020
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/25/2021 19:42	WG1625529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021



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	1.55	U	~~J3 J4~~	0.548	1.00	1	02/24/2021 12:33	WG1624822
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 12:33	WG1624822	
Benzene	U		0.0160	0.0400	1	02/24/2021 12:33	WG1624822	
Bromobenzene	U		0.0420	0.500	1	02/24/2021 12:33	WG1624822	
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 12:33	WG1624822	
Bromoform	U		0.239	1.00	1	02/24/2021 12:33	WG1624822	
Bromomethane	U		0.148	0.500	1	02/24/2021 12:33	WG1624822	
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 12:33	WG1624822	
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 12:33	WG1624822	
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 12:33	WG1624822	
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 12:33	WG1624822	
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 12:33	WG1624822	
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 12:33	WG1624822	
Chloroethane	1.76	J+	~~C5~~	0.0432	0.200	1	02/24/2021 12:33	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 12:33	WG1624822	
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/24/2021 12:33	WG1624822	
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 12:33	WG1624822	
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 12:33	WG1624822	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 12:33	WG1624822	
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 12:33	WG1624822	
Dibromomethane	U		0.0400	0.200	1	02/24/2021 12:33	WG1624822	
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 12:33	WG1624822	
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 12:33	WG1624822	
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 12:33	WG1624822	
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 12:33	WG1624822	
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 12:33	WG1624822	
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 12:33	WG1624822	
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822	
cis-1,2-Dichloroethene	0.589		0.0276	0.100	1	02/24/2021 21:27	WG1625047	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 12:33	WG1624822	
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 12:33	WG1624822	
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 12:33	WG1624822	
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 12:33	WG1624822	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 12:33	WG1624822	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 12:33	WG1624822	
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 12:33	WG1624822	
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 12:33	WG1624822	
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 12:33	WG1624822	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 12:33	WG1624822	
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 12:33	WG1624822	
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 12:33	WG1624822	
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 12:33	WG1624822	
Methylene Chloride	U		0.265	1.00	1	02/24/2021 12:33	WG1624822	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 12:33	WG1624822	
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 12:33	WG1624822	
Naphthalene	U		0.124	0.500	1	02/24/2021 12:33	WG1624822	
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 12:33	WG1624822	
Styrene	U		0.109	0.500	1	02/24/2021 12:33	WG1624822	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 12:33	WG1624822	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 12:33	WG1624822	
Tetrachloroethene	0.0600	J	0.0280	0.100	1	02/24/2021 21:27	WG1625047	
Toluene	0.352		0.0500	0.200	1	02/24/2021 12:33	WG1624822	
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 12:33	WG1624822	
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 12:33	WG1624822	
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 12:33	WG1624822	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021



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

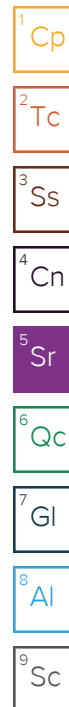
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 12:33	WG1624822	¹ Cp
Trichloroethene	U		0.0160	0.0400	1	02/24/2021 21:27	WG1625047	² Tc
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822	³ Ss
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 12:33	WG1624822	⁴ Cn
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 12:33	WG1624822	⁵ Sr
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/24/2021 12:33	WG1624822	⁶ Qc
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 12:33	WG1624822	⁷ Gl
Vinyl chloride	5.14	j+ C5 J4	0.0273	0.100	1	02/24/2021 12:33	WG1624822	⁸ Al
Xylenes, Total	U		0.191	0.260	1	02/24/2021 12:33	WG1624822	⁹ Sc
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 12:33	WG1624822	
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 12:33	WG1624822	
Iodomethane	U		0.242	0.500	1	02/24/2021 12:33	WG1624822	
Allyl chloride	U		0.580	1.00	1	02/24/2021 12:33	WG1624822	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 12:33	WG1624822	
(S) Toluene-d8	117			75.0-131		02/24/2021 12:33	WG1624822	
(S) Toluene-d8	94.3			75.0-131		02/24/2021 21:27	WG1625047	
(S) 4-Bromofluorobenzene	105			67.0-138		02/24/2021 12:33	WG1624822	
(S) 4-Bromofluorobenzene	102			67.0-138		02/24/2021 21:27	WG1625047	
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/24/2021 12:33	WG1624822	
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 21:27	WG1625047	

JC 3/15/2021



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	2.04	U ~~J3 J4~~	0.548	1.00	1	02/24/2021 12:52	WG1624822
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 12:52	WG1624822
Benzene	0.0570		0.0160	0.0400	1	02/24/2021 12:52	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 12:52	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 12:52	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 12:52	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 12:52	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 12:52	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 12:52	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 12:52	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 12:52	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 12:52	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 12:52	WG1624822
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/24/2021 12:52	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 12:52	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 12:52	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 12:52	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 12:52	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 12:52	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 12:52	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 12:52	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 12:52	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 12:52	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
cis-1,2-Dichloroethene	0.459		0.0276	0.100	1	02/24/2021 21:46	WG1625047
trans-1,2-Dichloroethene	1.26		0.0572	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 12:52	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 12:52	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 12:52	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 12:52	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 12:52	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 12:52	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 12:52	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 12:52	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 12:52	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 12:52	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 12:52	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 12:52	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 12:52	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 12:52	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 12:52	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 12:52	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 12:52	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 12:52	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 12:52	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 12:52	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 21:46	WG1625047
Toluene	0.0770	J	0.0500	0.200	1	02/24/2021 12:52	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 12:52	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 12:52	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 12:52	WG1624822



JC 3/15/2021



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	02/24/2021 12:52	WG1624822
Trichloroethene	0.143		0.0160	0.0400	1	02/24/2021 21:46	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 12:52	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 12:52	WG1624822
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/24/2021 12:52	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Vinyl chloride	6.52 j+	C5 J4	0.0273	0.100	1	02/24/2021 12:52	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 12:52	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 12:52	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 12:52	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 12:52	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 12:52	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 12:52	WG1624822
(S) Toluene-d8	117			75.0-131		02/24/2021 12:52	WG1624822
(S) Toluene-d8	94.9			75.0-131		02/24/2021 21:46	WG1625047
(S) 4-Bromofluorobenzene	106			67.0-138		02/24/2021 12:52	WG1624822
(S) 4-Bromofluorobenzene	103			67.0-138		02/24/2021 21:46	WG1625047
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/24/2021 12:52	WG1624822
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/24/2021 21:46	WG1625047

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021

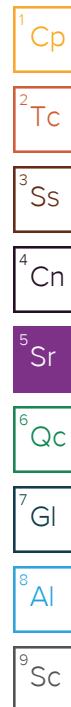


Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.20	U	~~J3 J4~~	0.548	1.00	1	02/24/2021 13:11
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 13:11	WG1624822
Benzene	0.0430		0.0160	0.0400	1	02/24/2021 13:11	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:11	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:11	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:11	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:11	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:11	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:11	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:11	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:11	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:11	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:11	WG1624822
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/24/2021 13:11	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:11	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:11	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:11	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:11	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:11	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:11	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:11	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:11	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:11	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
cis-1,2-Dichloroethene	0.241		0.0276	0.100	1	02/24/2021 22:05	WG1625047
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:11	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:11	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:11	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:11	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:11	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:11	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:11	WG1624822
Ethylbenzene	0.0870	J	0.0212	0.100	1	02/24/2021 13:11	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:11	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:11	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:11	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:11	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:11	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:11	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:11	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:11	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:11	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:11	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:11	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:11	WG1624822
Tetrachloroethene	0.0780	J	0.0280	0.100	1	02/24/2021 22:05	WG1625047
Toluene	1.16		0.0500	0.200	1	02/24/2021 13:11	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:11	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:11	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:11	WG1624822

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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	02/24/2021 13:11	WG1624822
Trichloroethene	U		0.0160	0.0400	1	02/24/2021 22:05	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:11	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:11	WG1624822
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/24/2021 13:11	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Vinyl chloride	2.57 j+	C5 J4	0.0273	0.100	1	02/24/2021 13:11	WG1624822
Xylenes, Total	0.310		0.191	0.260	1	02/24/2021 13:11	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:11	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 13:11	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:11	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:11	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:11	WG1624822
(S) Toluene-d8	116			75.0-131		02/24/2021 13:11	WG1624822
(S) Toluene-d8	91.7			75.0-131		02/24/2021 22:05	WG1625047
(S) 4-Bromofluorobenzene	105			67.0-138		02/24/2021 13:11	WG1624822
(S) 4-Bromofluorobenzene	109			67.0-138		02/24/2021 22:05	WG1625047
(S) 1,2-Dichloroethane-d4	96.0			70.0-130		02/24/2021 13:11	WG1624822
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/24/2021 22:05	WG1625047

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

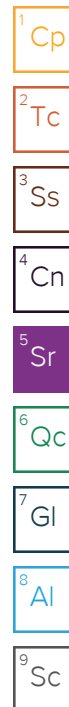
9 Sc

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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	5.00	J3 J4	0.548	1.00	1	02/24/2021 13:30	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 13:30	WG1624822
Benzene	0.117		0.0160	0.0400	1	02/24/2021 13:30	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:30	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:30	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:30	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:30	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:30	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:30	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:30	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:30	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:30	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:30	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 13:30	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:30	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:30	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:30	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:30	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:30	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:30	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:30	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:30	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:30	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
cis-1,2-Dichloroethene	0.203		0.0276	0.100	1	02/24/2021 22:25	WG1625047
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:30	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:30	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:30	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:30	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:30	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:30	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:30	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 13:30	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:30	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:30	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:30	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:30	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:30	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:30	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:30	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:30	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:30	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:30	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:30	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:30	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 13:30	WG1624822
Toluene	0.0550	J	0.0500	0.200	1	02/24/2021 13:30	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:30	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:30	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:30	WG1624822



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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	02/24/2021 13:30	WG1624822
Trichloroethene	0.0790		0.0160	0.0400	1	02/24/2021 22:25	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:30	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:30	WG1624822
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	02/24/2021 13:30	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Vinyl chloride	1.19 j+	C5 J4	0.0273	0.100	1	02/24/2021 13:30	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 13:30	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:30	WG1624822
Tetrahydrofuran	4.60		0.0900	0.500	1	02/24/2021 13:30	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:30	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:30	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:30	WG1624822
(S) Toluene-d8	117			75.0-131		02/24/2021 13:30	WG1624822
(S) Toluene-d8	93.3			75.0-131		02/24/2021 22:25	WG1625047
(S) 4-Bromofluorobenzene	104			67.0-138		02/24/2021 13:30	WG1624822
(S) 4-Bromofluorobenzene	102			67.0-138		02/24/2021 22:25	WG1625047
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/24/2021 13:30	WG1624822
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/24/2021 22:25	WG1625047

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	2.12	~~J3~~ J4	0.548	1.00	1	02/24/2021 13:49	WG1624822
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 13:49	WG1624822
Benzene	0.0880		0.0160	0.0400	1	02/24/2021 13:49	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:49	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:49	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:49	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:49	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:49	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:49	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:49	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:49	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:49	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:49	WG1624822
Chloroethane	U	UJ	0.0432	0.200	1	02/24/2021 13:49	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:49	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 13:49	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:49	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:49	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:49	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:49	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:49	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:49	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:49	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:49	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:49	WG1624822
1,1-Dichloroethene	7.50		0.0200	0.100	1	02/24/2021 13:49	WG1624822
cis-1,2-Dichloroethene	878	U	0.552	2.00	20	02/25/2021 01:53	WG1625047
trans-1,2-Dichloroethene	4.72		0.0572	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:49	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:49	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:49	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:49	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:49	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:49	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:49	WG1624822
Ethylbenzene	0.0610	J	0.0212	0.100	1	02/24/2021 13:49	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:49	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:49	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:49	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:49	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:49	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:49	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:49	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:49	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:49	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:49	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:49	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:49	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:49	WG1624822
Tetrachloroethene	0.0540	J	0.0280	0.100	1	02/24/2021 13:49	WG1624822
Toluene	1.16		0.0500	0.200	1	02/24/2021 13:49	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:49	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:49	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:49	WG1624822

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 3/15/2021



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	02/24/2021 13:49	WG1624822
Trichloroethene	0.901		0.0160	0.0400	1	02/24/2021 13:49	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:49	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:49	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:49	WG1624822
1,2,3-Trimethylbenzene	U	<u>14</u>	0.0460	0.200	1	02/24/2021 13:49	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:49	WG1624822
Vinyl chloride	891	J	0.546	2.00	20	02/25/2021 01:53	WG1625047
Xylenes, Total	0.332		0.191	0.260	1	02/24/2021 13:49	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:49	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 13:49	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:49	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:49	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:49	WG1624822
(S) Toluene-d8	115			75.0-131		02/24/2021 13:49	WG1624822
(S) Toluene-d8	90.3			75.0-131		02/25/2021 01:53	WG1625047
(S) 4-Bromofluorobenzene	106			67.0-138		02/24/2021 13:49	WG1624822
(S) 4-Bromofluorobenzene	107			67.0-138		02/25/2021 01:53	WG1625047
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/24/2021 13:49	WG1624822
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/25/2021 01:53	WG1625047

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

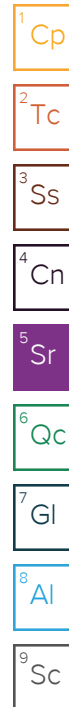
9 Sc

JC 3/15/2021



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	U	J3 J4	0.548	1.00	1	02/24/2021 14:27	WG1624822
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 14:27	WG1624822
Benzene	0.101		0.0160	0.0400	1	02/24/2021 14:27	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 14:27	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 14:27	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 14:27	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 14:27	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 14:27	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 14:27	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 14:27	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 14:27	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 14:27	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 14:27	WG1624822
Chloroethane	1.54	j+ C5	0.0432	0.200	1	02/24/2021 14:27	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 14:27	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 14:27	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 14:27	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 14:27	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 14:27	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 14:27	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 14:27	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 14:27	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 14:27	WG1624822
1,1-Dichloroethane	0.0290	J	0.0230	0.100	1	02/24/2021 14:27	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 14:27	WG1624822
1,1-Dichloroethene	7.56		0.0200	0.100	1	02/24/2021 14:27	WG1624822
cis-1,2-Dichloroethene	588	J	1.38	5.00	50	02/25/2021 03:09	WG1625251
trans-1,2-Dichloroethene	4.50		0.0572	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 14:27	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 14:27	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 14:27	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 14:27	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 14:27	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 14:27	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 14:27	WG1624822
Ethylbenzene	0.0910	J	0.0212	0.100	1	02/24/2021 14:27	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 14:27	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 14:27	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 14:27	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 14:27	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 14:27	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 14:27	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 14:27	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 14:27	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 14:27	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 14:27	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 14:27	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 14:27	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 14:27	WG1624822
Tetrachloroethene	0.101	j+ C5	0.0280	0.100	1	02/24/2021 14:27	WG1624822
Toluene	1.14		0.0500	0.200	1	02/24/2021 14:27	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 14:27	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 14:27	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 14:27	WG1624822



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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	02/24/2021 14:27	WG1624822
Trichloroethene	1.02		0.0160	0.0400	1	02/24/2021 14:27	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 14:27	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 14:27	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 14:27	WG1624822
1,2,3-Trimethylbenzene	U	~~14~~	0.0460	0.200	1	02/24/2021 14:27	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 14:27	WG1624822
Vinyl chloride	396	J	1.36	5.00	50	02/25/2021 03:09	WG1625251
Xylenes, Total	0.290		0.191	0.260	1	02/24/2021 14:27	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 14:27	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 14:27	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 14:27	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 14:27	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 14:27	WG1624822
(S) Toluene-d8	118			75.0-131		02/24/2021 14:27	WG1624822
(S) Toluene-d8	91.6			75.0-131		02/25/2021 03:09	WG1625251
(S) 4-Bromofluorobenzene	103			67.0-138		02/24/2021 14:27	WG1624822
(S) 4-Bromofluorobenzene	111			67.0-138		02/25/2021 03:09	WG1625251
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		02/24/2021 14:27	WG1624822
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/25/2021 03:09	WG1625251

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

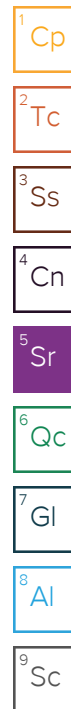
JC 3/15/2021



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	U	J3 J4	0.548	1.00	1	02/24/2021 14:46	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 14:46	WG1624822
Benzene	0.106		0.0160	0.0400	1	02/24/2021 14:46	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 14:46	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 14:46	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 14:46	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 14:46	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 14:46	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 14:46	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 14:46	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 14:46	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 14:46	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 14:46	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 14:46	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 14:46	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 14:46	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 14:46	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 14:46	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 14:46	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 14:46	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 14:46	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 14:46	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 14:46	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
cis-1,2-Dichloroethene	0.158		0.0276	0.100	1	02/25/2021 02:12	WG1625251
trans-1,2-Dichloroethene	0.704		0.0572	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 14:46	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 14:46	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 14:46	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 14:46	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 14:46	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 14:46	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 14:46	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 14:46	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 14:46	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 14:46	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 14:46	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 14:46	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 14:46	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 14:46	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 14:46	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 14:46	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 14:46	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 14:46	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 14:46	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 14:46	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 14:46	WG1624822
Toluene	0.0570	J	0.0500	0.200	1	02/24/2021 14:46	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 14:46	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 14:46	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 14:46	WG1624822

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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	02/24/2021 14:46	WG1624822
Trichloroethene	0.0460		0.0160	0.0400	1	02/24/2021 14:46	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 14:46	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 14:46	WG1624822
1,2,3-Trimethylbenzene	U	~~14~~	0.0460	0.200	1	02/24/2021 14:46	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Vinyl chloride	1.72		0.0273	0.100	1	02/25/2021 02:12	WG1625251
Xylenes, Total	U		0.191	0.260	1	02/24/2021 14:46	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 14:46	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 14:46	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 14:46	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 14:46	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 14:46	WG1624822
(S) Toluene-d8	117			75.0-131		02/24/2021 14:46	WG1624822
(S) Toluene-d8	90.9			75.0-131		02/25/2021 02:12	WG1625251
(S) 4-Bromofluorobenzene	104			67.0-138		02/24/2021 14:46	WG1624822
(S) 4-Bromofluorobenzene	106			67.0-138		02/25/2021 02:12	WG1625251
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/24/2021 14:46	WG1624822
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/25/2021 02:12	WG1625251

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

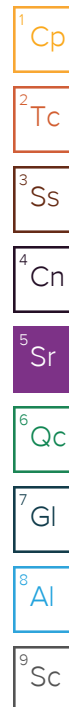
JC 3/15/2021



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	U	J3 J4	5.48	10.0	10	02/24/2021 17:17	WG1624822
Acrylonitrile	U	J3	0.760	5.00	10	02/24/2021 17:17	WG1624822
Benzene	0.320	J	0.160	0.400	10	02/24/2021 17:17	WG1624822
Bromobenzene	U		0.420	5.00	10	02/24/2021 17:17	WG1624822
Bromodichloromethane	U		0.315	1.00	10	02/24/2021 17:17	WG1624822
Bromoform	U		2.39	10.0	10	02/24/2021 17:17	WG1624822
Bromomethane	U		1.48	5.00	10	02/24/2021 17:17	WG1624822
n-Butylbenzene	U		1.53	5.00	10	02/24/2021 17:17	WG1624822
sec-Butylbenzene	U		1.01	5.00	10	02/24/2021 17:17	WG1624822
tert-Butylbenzene	U		0.620	2.00	10	02/24/2021 17:17	WG1624822
Carbon tetrachloride	U		0.432	2.00	10	02/24/2021 17:17	WG1624822
Chlorobenzene	U		0.229	1.00	10	02/24/2021 17:17	WG1624822
Chlorodibromomethane	U		0.180	1.00	10	02/24/2021 17:17	WG1624822
Chloroethane	28.5	J+ C5	0.432	2.00	10	02/24/2021 17:17	WG1624822
Chloroform	U		0.166	1.00	10	02/24/2021 17:17	WG1624822
Chloromethane	U	J4	0.556	5.00	10	02/24/2021 17:17	WG1624822
2-Chlorotoluene	U		0.368	1.00	10	02/24/2021 17:17	WG1624822
4-Chlorotoluene	U		0.452	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/24/2021 17:17	WG1624822
1,2-Dibromoethane	U		0.210	1.00	10	02/24/2021 17:17	WG1624822
Dibromomethane	U		0.400	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dichlorobenzene	U		0.580	2.00	10	02/24/2021 17:17	WG1624822
1,3-Dichlorobenzene	U		0.680	2.00	10	02/24/2021 17:17	WG1624822
1,4-Dichlorobenzene	U		0.788	2.00	10	02/24/2021 17:17	WG1624822
Dichlorodifluoromethane	U		0.327	1.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloroethane	U		0.230	1.00	10	02/24/2021 17:17	WG1624822
1,2-Dichloroethane	U		0.190	1.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloroethene	18.7		0.200	1.00	10	02/24/2021 17:17	WG1624822
cis-1,2-Dichloroethene	5450		13.8	50.0	500	02/25/2021 03:28	WG1625251
trans-1,2-Dichloroethene	156		0.572	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dichloropropane	U		0.508	2.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloropropene	U		0.280	1.00	10	02/24/2021 17:17	WG1624822
1,3-Dichloropropane	U		0.700	2.00	10	02/24/2021 17:17	WG1624822
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/24/2021 17:17	WG1624822
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/24/2021 17:17	WG1624822
2,2-Dichloropropane	U		0.317	1.00	10	02/24/2021 17:17	WG1624822
Di-isopropyl ether	U		0.140	0.400	10	02/24/2021 17:17	WG1624822
Ethylbenzene	0.700	J	0.212	1.00	10	02/24/2021 17:17	WG1624822
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/24/2021 17:17	WG1624822
Isopropylbenzene	U		0.345	1.00	10	02/24/2021 17:17	WG1624822
p-Isopropyltoluene	U		0.932	2.00	10	02/24/2021 17:17	WG1624822
2-Butanone (MEK)	U		5.00	10.0	10	02/24/2021 17:17	WG1624822
Methylene Chloride	U		2.65	10.0	10	02/24/2021 17:17	WG1624822
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/24/2021 17:17	WG1624822
Methyl tert-butyl ether	U		0.118	0.400	10	02/24/2021 17:17	WG1624822
Naphthalene	U		1.24	5.00	10	02/24/2021 17:17	WG1624822
n-Propylbenzene	U		0.472	2.00	10	02/24/2021 17:17	WG1624822
Styrene	U		1.09	5.00	10	02/24/2021 17:17	WG1624822
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/24/2021 17:17	WG1624822
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/24/2021 17:17	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/24/2021 17:17	WG1624822
Tetrachloroethene	0.730	J	0.280	1.00	10	02/24/2021 17:17	WG1624822
Toluene	0.670	J	0.500	2.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trichlorobenzene	U		0.250	5.00	10	02/24/2021 17:17	WG1624822
1,2,4-Trichlorobenzene	U		1.93	5.00	10	02/24/2021 17:17	WG1624822
1,1,1-Trichloroethane	U		0.110	1.00	10	02/24/2021 17:17	WG1624822

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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	02/24/2021 17:17	WG1624822
Trichloroethene	4.90		0.160	0.400	10	02/24/2021 17:17	WG1624822
Trichlorofluoromethane	U		0.200	1.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trichloropropane	U		2.04	5.00	10	02/24/2021 17:17	WG1624822
1,2,4-Trimethylbenzene	1.46	~~U~~	0.464	2.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trimethylbenzene	U	~~U4~~	0.460	2.00	10	02/24/2021 17:17	WG1624822
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/24/2021 17:17	WG1624822
Vinyl chloride	14400		13.6	50.0	500	02/25/2021 03:28	WG1625251
Xylenes, Total	2.82		1.91	2.60	10	02/24/2021 17:17	WG1624822
Ethyl Ether	U		0.170	1.00	10	02/24/2021 17:17	WG1624822
Tetrahydrofuran	U		0.900	5.00	10	02/24/2021 17:17	WG1624822
Iodomethane	U		2.42	5.00	10	02/24/2021 17:17	WG1624822
Allyl chloride	U		5.80	10.0	10	02/24/2021 17:17	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/24/2021 17:17	WG1624822
(S) Toluene-d8	118			75.0-131		02/24/2021 17:17	WG1624822
(S) Toluene-d8	91.9			75.0-131		02/25/2021 03:28	WG1625251
(S) 4-Bromofluorobenzene	106			67.0-138		02/24/2021 17:17	WG1624822
(S) 4-Bromofluorobenzene	109			67.0-138		02/25/2021 03:28	WG1625251
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/24/2021 17:17	WG1624822
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/25/2021 03:28	WG1625251

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

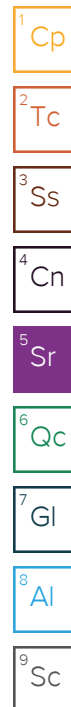
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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J3 J4~~	0.548	1.00	1	02/24/2021 15:05	WG1624822
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	02/24/2021 15:05	WG1624822
Benzene	0.0490		0.0160	0.0400	1	02/24/2021 15:05	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 15:05	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 15:05	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 15:05	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 15:05	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 15:05	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 15:05	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 15:05	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 15:05	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 15:05	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 15:05	WG1624822
Chloroethane	8.22	j+ ~~C5~~	0.0432	0.200	1	02/24/2021 15:05	WG1624822
Chloroform	0.0680	~~J~~	0.0166	0.100	1	02/24/2021 15:05	WG1624822
Chloromethane	U	~~J4~~	0.0556	0.500	1	02/24/2021 15:05	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 15:05	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 15:05	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 15:05	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 15:05	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 15:05	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 15:05	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 15:05	WG1624822
1,1-Dichloroethane	0.137		0.0230	0.100	1	02/24/2021 15:05	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 15:05	WG1624822
1,1-Dichloroethene	89.8		0.0200	0.100	1	02/24/2021 15:05	WG1624822
cis-1,2-Dichloroethene	955		2.76	10.0	100	02/25/2021 03:47	WG1625251
trans-1,2-Dichloroethene	44.3		0.0572	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 15:05	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 15:05	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 15:05	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 15:05	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 15:05	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 15:05	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 15:05	WG1624822
Ethylbenzene	0.0680	~~J~~	0.0212	0.100	1	02/24/2021 15:05	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 15:05	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 15:05	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 15:05	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 15:05	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 15:05	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 15:05	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 15:05	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 15:05	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 15:05	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 15:05	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 15:05	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 15:05	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 15:05	WG1624822
Tetrachloroethene	5370		2.80	10.0	100	02/25/2021 03:47	WG1625251
Toluene	0.481		0.0500	0.200	1	02/24/2021 15:05	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 15:05	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 15:05	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 15:05	WG1624822

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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	02/24/2021 15:05	WG1624822
Trichloroethene	3740		1.60	4.00	100	02/25/2021 03:47	WG1625251
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 15:05	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 15:05	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 15:05	WG1624822
1,2,3-Trimethylbenzene	U	~~34~~	0.0460	0.200	1	02/24/2021 15:05	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 15:05	WG1624822
Vinyl chloride	179		2.73	10.0	100	02/25/2021 03:47	WG1625251
Xylenes, Total	0.216	~~U~~	0.191	0.260	1	02/24/2021 15:05	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 15:05	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 15:05	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 15:05	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 15:05	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 15:05	WG1624822
(S) Toluene-d8	117			75.0-131		02/24/2021 15:05	WG1624822
(S) Toluene-d8	90.3			75.0-131		02/25/2021 03:47	WG1625251
(S) 4-Bromofluorobenzene	106			67.0-138		02/24/2021 15:05	WG1624822
(S) 4-Bromofluorobenzene	110			67.0-138		02/25/2021 03:47	WG1625251
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/24/2021 15:05	WG1624822
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/25/2021 03:47	WG1625251

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 25, 2021
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: American Linen Data Validation
PROJECT #: 1413.001.02.501G
TASK: EIM Data Validation Level EPA2A for February 2021 – Soil Vapor Samples
LAB: Pace Sample Delivery Group (SDG): L1315322

Twenty-five (25) soil vapor samples (including two field duplicates) were collected as part of the 2021 quarterly (Q1) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on February 2, 3, 5-7, 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 L1315322.

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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017). 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:

- Sample SV-**08**-020321 (canister 7625 with flow regulator 11229 collected on 2/3/2021 at 1509) was incorrectly recorded on the chain of custody as SV-**09**-020321. Per PES's 2/9/2021 email request Pace corrected the sample identification to read SV-**08**-020321.

- Sample **SV01-020721** was incorrectly recorded on the chain of custody as **SV-01-020721**. Per PES's 2/9/2021 email request Pace corrected the sample identification to read **SV01-020721**.
- Chain of custody and sample labels do not match for three samples. Chain of custody sample identifications read **SV-24-020321**, **SV-21-020321**, and **SV-15-020321** and sample labels respectively read **VP-24-020321**, **VP-21-020321**, and **VP-15-020321**. Per PES's 2/9/2021 email request Pace confirmed that samples should be logged according to chain of custody sample identifications.

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

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

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 WG1619250: Low levels of 1,4-dichlorobenzene, propene, toluene, and ethanol below the RDL were detected in the method blank. No action is needed since these compounds were either detected above the RDL or not detected in the associated samples.
- Analytical Batch WG1619328: A low level of benzyl chloride below the RDL was detected in the method blank. No action is needed since benzyl chloride was not detected in the associated samples.

Trip Blank Results

A trip blank was not required for the VOCs by TO-15 analyses. No action is taken other than to note this.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- Sample SV-09-020321 and field duplicate sample SV-904-020321 (field duplicate samples collected contemporaneously using a t-joint at the soil vapor probe).
- Sample SV-27-020621 and field duplicate sample SV-905-020621 (field duplicate samples collected contemporaneously using a t-joint at the soil vapor probe).

Target analyte results are comparable and within a relative percent difference (RPD) of 30% for the field duplicate pair with the following exceptions:

- Sample SV-27-020621 and field duplicate sample SV-905-020621: Eleven VOC compounds (2,2,4-trimethylpentane, acetone, benzene, carbon disulfide, CFC-11 (trichlorofluoromethane), chloromethane, cyclohexane, ethanol, heptane, hexane, and toluene) 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

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

Surrogate Recoveries

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:

- Sample SV-24-020321 (batch WG1619328 analyzed on 2/10/2021) surrogate 1,4-bromofluorobenzene was recovered high and above control limit criteria due to matrix interference. **All sample SV-24-020321 detects associated with batch WG1619328 are qualified as estimated (J) due to elevated surrogate recovery.**

Laboratory Control Samples

A laboratory control sample or laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were analyzed for the VOCs by TO-15 along with each analytical batch. The LCS or LCS/LCSD recoveries and relative percent differences (RPDs) for all control compounds met laboratory control limit criteria with the following discussion:

- Analytical Batch WG1619328: LCS/LCSD RPD for vinyl acetate exceeds laboratory acceptance criteria and is laboratory qualified (J3). No action is taken since both recoveries are within criteria but were recovered wide.

Matrix Spike/Matrix Spike Duplicates

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15 method.

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 ppbv and $\mu\text{g}/\text{m}^3$.

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-18-020721 ethanol detection exceeded the upper calibration range and is laboratory qualified (E). **Sample SV-18-020721 ethanol result is estimated with high bias and qualified (J+).**

Data Assessment

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

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017).

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	1.82	4.32		1	WG1619250
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619250
Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG1619250
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619250
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619250
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619250
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619250
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619250
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.37	4.26		1	WG1619250
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619250
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619250
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619250
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619250
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619250
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619250
Cyclohexane	110-82-7	84.20	0.200	0.689	0.414	1.43		1	WG1619250
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619250
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619250
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619250
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619250
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619250
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619250
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619250
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619250
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619250
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619250
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619250
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619250
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619250
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619250
Ethanol	64-17-5	46.10	0.630	1.19	9.54	18.0		1	WG1619250
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619250
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619250
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.408	2.29		1	WG1619250
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.613	3.03		1	WG1619250
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619250
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619250
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619250
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619250
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619250
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619250
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619250
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619250
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619250
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619250
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619250
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619250
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619250
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619250
Propene	115-07-1	42.10	0.400	0.689	2.40	4.13		1	WG1619250
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619250
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619250
Tetrachloroethylene	127-18-4	166	0.200	1.36	8.59	58.3		1	WG1619250
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619250
Toluene	108-88-3	92.10	0.500	1.88	1.59	5.99		1	WG1619250
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

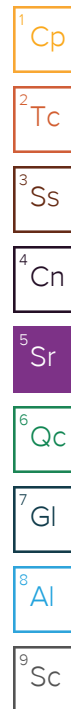
9 Sc

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Volatile Organic Compounds (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	WG1619250
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619250
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619250
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.277	1.36		1	WG1619250
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619250
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.223	1.04		1	WG1619250
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619250
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619250
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619250
m&p-Xylene	1330-20-7	106	0.400	1.73	0.574	2.49		1	WG1619250
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619250
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		90.8				WG1619250



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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	2.17	5.16		1	WG1619250
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619250
Benzene	71-43-2	78.10	0.200	0.639	0.305	0.974		1	WG1619250
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619250
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619250
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619250
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619250
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619250
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.25	3.89		1	WG1619250
Carbon tetrachloride	56-23-5	154	0.200	1.26	0.850	5.35		1	WG1619250
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619250
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619250
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619250
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619250
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619250
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619250
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619250
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619250
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619250
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619250
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	0.232	1.39	B	1	WG1619250
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619250
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619250
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619250
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619250
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619250
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619250
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619250
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619250
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619250
Ethanol	64-17-5	46.10	0.630	1.19	24.1	45.4		1	WG1619250
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619250
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619250
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.444	2.50		1	WG1619250
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.527	2.61		1	WG1619250
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619250
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619250
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619250
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619250
n-Hexane	110-54-3	86.20	0.630	2.22	0.645	2.27		1	WG1619250
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619250
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.815	2.83		1	WG1619250
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619250
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619250
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619250
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619250
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619250
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619250
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619250
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619250
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619250
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619250
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.47	30.3		1	WG1619250
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619250
Toluene	108-88-3	92.10	0.500	1.88	1.22	4.60	B	1	WG1619250
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619250

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 (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	WG1619250
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619250
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619250
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.428	2.10		1	WG1619250
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619250
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619250
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619250
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619250
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619250
m&p-Xylene	1330-20-7	106	0.400	1.73	0.603	2.61		1	WG1619250
o-Xylene	95-47-6	106	0.200	0.867	0.236	1.02		1	WG1619250
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.2				WG1619250

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 (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	1.52 J	3.61 J		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	85.5 J	273 J		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	6.87 J	13.0 J		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	38.3 J	166 J		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	22.1 J	108 J		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	16.4 J	67.1 J		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	36.1 J	127 J		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	2.16 J	10.6 J		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	8.56 J	44.8 J		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	25.0	94.2	142	535		50	WG1620044
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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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	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	91.2 J	448 J		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	25.8 J	127 J		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	10.0	46.7	1080	5050		50	WG1620044
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	~~J3~~	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	140 J	607 J		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	37.5 J	163 J		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		156		J1		WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		90.3				WG1620044

Sample Narrative:

L1315322-03 WG1619328: Surrogate failure due to matrix interference.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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	3.78	8.98		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	1.66	5.30		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.67	11.4		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	1.43	4.92		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	24.1	45.4		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	0.439	1.90		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.299	1.48		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	1.52	6.22		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	5.21	18.4		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	2.33	5.73		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.476	3.23		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	2.98	11.2		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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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	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.744	3.65		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.228	1.12		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.80	8.41		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	~~JS~~	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	1.52	6.59		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	0.420	1.82		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.6				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	14.3	34.0		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	2.50	7.99		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	0.255	0.527		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	1.61	5.54		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	0.316	1.90		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	20.9	39.4		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	0.536	2.32		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.416	2.06		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	2.53	10.3		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	8.52	30.0		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.399	1.39		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.28	3.77		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	3.46	8.50		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	1.08	1.86		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.15	7.81		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	4.54	17.1		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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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	0.286	1.56		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	1.19	6.38		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.791	3.88		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.277	1.36		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.37	15.7		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	<u>J3</u>	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	1.85	8.02		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	0.491	2.13		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.3				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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	8.98	21.3		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	4.18	13.0		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	0.360	0.744		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.213	0.767		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	6.82	12.9		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.225	1.26		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.339	1.68		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.67	4.92		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	1.55	3.81		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.19	8.08		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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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	0.657	3.57		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	<u>JS</u>	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.1				WG1619328

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



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	17.5	41.6		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	0.281	0.898		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.96	6.10		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	12.7	23.9		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	0.218	0.945		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.506	2.84		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.392	1.94		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	0.240	0.982		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	0.209	0.889		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	4.06	15.3		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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Collected date/time: 02/03/21 13:44

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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	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.331	1.62		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.254	1.19		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	~~JS~~	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	0.750	3.25		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.3				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	4.30	10.2		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.05	6.38		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.210	0.757		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	10.9	20.6		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.658	3.70		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.381	1.88		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	1.33	3.27		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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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	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	~~J3~~	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.7				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	1.82	4.32		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.42	10.6		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	9.69	18.3		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.229	1.29		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.286	1.41		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.922	6.26		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	0.661	2.49		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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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 (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.353	1.65		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG1619439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	2.46	5.85		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.575	1.79		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	6.09	11.5		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.314	1.76		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.361	1.79		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.02	6.93		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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 (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG1619439

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 (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	1.90	4.51		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.979	3.05		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	5.29	9.97		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.309	1.74		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.345	1.71		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.03	6.99		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

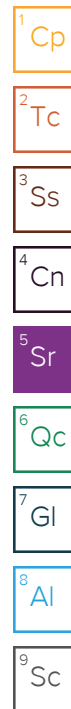
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Volatile Organic Compounds (MS) by Method TO-15

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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG1619439

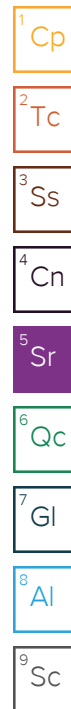


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Volatile Organic Compounds (MS) by Method TO-15

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	3.10	7.37		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.13	6.63		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	0.261	0.899		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	9.54	18.0		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.377	1.86		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.253	1.72		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439



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Collected date/time: 02/05/21 09:50

L1315322

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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG1619439

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 (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	12.7	30.2		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.38	7.41		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	1.58	7.69		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	3.20	6.61		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	1.02	3.68		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	18.7	35.3		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.208	1.17		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.341	1.69		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.89	8.52		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	1.80	4.42		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.386	2.62		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	2.00	5.90		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

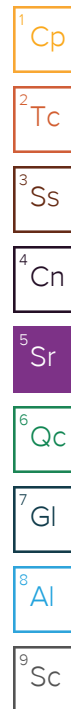
9 Sc

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Volatile Organic Compounds (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.327	1.60		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG1619439

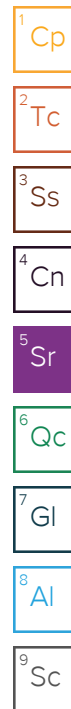


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Volatile Organic Compounds (MS) by Method TO-15

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	2.00	4.75		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.989	3.08		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	0.211	0.727		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	5.59	10.5		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.339	1.68		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.278	1.89		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

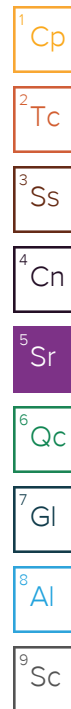


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Volatile Organic Compounds (MS) by Method TO-15

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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.255	1.25		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG1619439



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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	7.50	17.8		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.57	4.89		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	4.47	15.4		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	16.3	30.7		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.427	2.11		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	1.63	4.01		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	5.30	36.0		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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 (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.286	1.40		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG1619439

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 (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	3.86	9.17		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.61	5.01		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	8.44	15.9		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.370	2.08		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.434	2.15		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	10.8	73.3		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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 (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG1619439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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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	6.48	15.4		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.38	10.5		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.739	2.66		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	27.9	52.6		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.50	4.42		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	2.44	6.00		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



Collected date/time: 02/06/21 13:12

L1315322

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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.221	1.03		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		108				WG1619439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	ND	ND		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	2.36	7.54		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.44	7.59		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	9.23	31.8		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	1.87	7.50		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.275	1.09		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	2.88	5.43		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	4.10	14.5		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021

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	5.01	27.3		1	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.486	2.39		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	39.9	186		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	70.6	180		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG1619439

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JC 2/24/2021



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	1.98 J	4.71 J		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	0.282 J	0.901 J		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND UJ	ND UJ		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	0.510 J	1.05 J		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	ND UJ	ND UJ		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	5.42 J	10.2 J		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.206 J	1.16 J		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.453	2.24		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	ND UJ	ND UJ		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	ND UJ	ND UJ		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	ND UJ	ND UJ		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND	UJ	1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG1619439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



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	6.40 J	15.2 J		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	1.33 J	4.25 J		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	14.4 J	44.8 J		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND UJ	ND UJ		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	5.79 J	19.9 J		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	3.61 J	6.81 J		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.552 J	3.10 J		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.358	1.77		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	5.44 J	22.2 J		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	36.0 J	127 J		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619439
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	1.69 J	6.37 J		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



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		1	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	5.83 J	27.2 J		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	0.492	2.13		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.1				WG1619439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	16.5	39.2		1	WG1619439
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619439
Benzene	71-43-2	78.10	0.200	0.639	2.76	8.82		1	WG1619439
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619439
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619439
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619439
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619439
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619439
Carbon disulfide	75-15-0	76.10	0.200	0.622	8.94	27.8		1	WG1619439
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619439
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619439
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619439
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619439
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619439
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619439
Cyclohexane	110-82-7	84.20	0.200	0.689	21.2	73.0		1	WG1619439
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619439
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619439
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619439
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619439
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619439
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619439
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619439
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619439
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619439
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619439
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619439
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619439
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619439
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619439
Ethanol	64-17-5	46.10	0.630	1.19	6.14	11.6		1	WG1619439
Ethylbenzene	100-41-4	106	0.200	0.867	0.201	0.871		1	WG1619439
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619439
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619439
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1619439
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619439
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619439
Heptane	142-82-5	100	0.200	0.818	4.81	19.7		1	WG1619439
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619439
n-Hexane	110-54-3	86.20	0.630	2.22	9.83	34.7		1	WG1619439
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619439
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619439
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619439
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.81	5.34		1	WG1619439
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619439
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619439
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619439
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619439
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619439
Propene	115-07-1	42.10	0.400	0.689	1.36	2.34		1	WG1620666
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619439
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619439
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619439
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619439
Toluene	108-88-3	92.10	0.500	1.88	2.21	8.32		1	WG1619439
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619439

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 (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	WG1619439
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619439
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619439
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619439
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619439
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619439
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619439
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619439
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1619439
m&p-Xylene	1330-20-7	106	0.400	1.73	0.596	2.58		1	WG1619439
o-Xylene	95-47-6	106	0.200	0.867	0.373	1.62		1	WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		108				WG1619439
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		85.8				WG1620044
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.9				WG1620666

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 (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	22.9	54.4		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	0.224	0.716		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	4.13	12.9		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	1.76	8.57		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.964	3.86		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.574	2.07		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	119	224	J+ E	1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	0.249	1.08		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.237	1.17		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.07	6.10		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	18.9	46.5		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	0.942	3.55		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

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 (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	13.9	75.6		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.697	3.42		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.277	1.36		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	<u>JS</u>	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	0.826	3.58		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	0.230	0.997		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.7				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

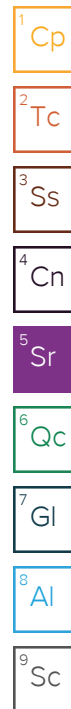
9Sc

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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	35.1	83.4		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	2.20	7.03		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.46	7.66		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	6.93	33.7		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	2.83	9.75		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	22.5	42.4		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	0.527	2.28		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.207	1.02		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.466	2.62		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	2.47	10.1		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	7.89	27.8		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.203	0.705		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.223	1.51		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	6.11	23.0		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328



JC 2/24/2021

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		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.807	3.96		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.281	1.38		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	2.94	13.7		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	~~J3~~	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	1.87	8.11		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	0.493	2.14		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.8				WG1619328

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 2/24/2021



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	5.61	13.3		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.18	6.79		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	1.94	6.68		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	16.5	31.1		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.955	5.37		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.417	2.83		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC
2/24/2021



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		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.234	1.15		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	<u>JS</u>	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.8				WG1619328

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



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	12.7	30.2		1	WG1619328
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1619328
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1619328
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1619328
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1619328
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1619328
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1619328
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1619328
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.31	4.08		1	WG1619328
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1619328
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1619328
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1619328
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1619328
Chloromethane	74-87-3	50.50	0.200	0.413	0.235	0.485		1	WG1619328
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1619328
Cyclohexane	110-82-7	84.20	0.200	0.689	1.79	6.16		1	WG1619328
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1619328
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1619328
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1619328
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1619328
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1619328
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1619328
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1619328
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1619328
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1619328
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1619328
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1619328
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1619328
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1619328
1,4-Dioxane	123-91-1	88.10	0.200	0.721	1.74	6.27		1	WG1619328
Ethanol	64-17-5	46.10	0.630	1.19	25.1	47.3		1	WG1619328
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1619328
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1619328
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	8.09	45.5		1	WG1619328
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	6.34	31.4		1	WG1619328
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1619328
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1619328
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1619328
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1619328
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1619328
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1619328
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1619328
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1619328
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	6.51	19.2		1	WG1619328
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1619328
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1619328
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1619328
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1619328
2-Propanol	67-63-0	60.10	1.25	3.07	10.8	26.5		1	WG1619328
Propene	115-07-1	42.10	0.400	0.689	0.471	0.811		1	WG1619328
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1619328
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1619328
Tetrachloroethylene	127-18-4	166	0.200	1.36	3.01	20.4		1	WG1619328
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.07	3.16		1	WG1619328
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1619328
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1619328

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021



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	0.594	3.23		1	WG1619328
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1619328
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1619328
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1619328
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1619328
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1619328
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1619328
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1619328
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND	<u>JS</u>	1	WG1619328
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1619328
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1619328
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.5				WG1619328

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/24/2021

MEMORANDUM

TO: Project File **DATE:** February 10, 2021
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: American Linen Data Validation
PROJECT #: 1413.001.05.202
TASK: EIM Data Validation Level EPA2A for ROW North Perimeter 2021 Soil Samples.
LAB: Pace Sample Delivery Group (SDG): L1312512

Nine soil samples, including one field duplicate, and one trip blank were collected on February 1, 2021 as part of the geoprobe drilling for soil characterization for the underground Puget Sound Energy gas line at the Former American Linen Supply Site, in Seattle, Washington. The samples were delivered to Pace Analytical (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following parameters:

- 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; and
- Total Solids by Standard Methods (SM) 2540 G-2011.

The soil sampling results are reported in Pace SDG L1312512. The quality assurance review of the laboratory data associated with this SDG is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data 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 Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

DATA VALIDATION

Sample Receipt, Preservation and Handling

The samples were collected and delivered to the laboratory by courier. The samples were delivered to the project laboratory in coolers under standard chain-of-custody protocols. Review of Pace's chain of custody (COC) notes indicate that all samples were received in good condition

below the recommended preservation temperature 6.0°C. No data qualifications were assigned due to sample receipt or temperature preservation issues.

Holding Times

USEPA Method 8260D:

All samples were analyzed for VOCs within the USEPA recommended holding time of fourteen days for soils and water (trip blank) from the date of sample 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 soils and water (trip blank) from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G-2011:

Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

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

- *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 (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

Method Blank Results

USEPA Method 8260D:

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

- Analytical batch WG1615884: A low level (below the RDL) of 2-butanone (MEK) was detected in the method blank. Low levels of MEK are also detected in samples B-1003-10, B-299-2, B-299-5.5, B-300-5.5, B-301-2, B-301-5, B-302-2, and B-302-4. **MEK results for these samples are qualified as not detected (U) due to 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 blanks with one exception:

- Analytical batch WG1616924: A low level (below the RDL) of gasoline was detected in the method blank. No action is taken since gasoline is not detected in the associated samples.

Trip Blank Results

USEPA Method 8260D and NWTPH-Gx Method:

One trip blank (TB-020121) was collected and analyzed. The target analytes were not detected in the trip blank at or above the MDLs or RDLs with the following exceptions:

- Low levels of gasoline, acetone and toluene are detected in the trip blank TB-020121. Gasoline, acetone and toluene are not detected in the associated samples and no action is required.

Field, Rinsate, or Equipment Blank Results

Field, rinsate or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate sample pair is as follows:

- Samples B-299-5.5 and B-1003-10

Field duplicate pair was submitted and analyzed for gasoline and VOCs. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 2 \times$ RDL for soil results $< 5 \times$ the RDL) for the field duplicate.

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate analyses were not performed. Refer to laboratory control samples, field duplicate samples, or matrix spike results for precision data.

NWTPH-Gx Method:

Laboratory duplicate samples were not analyzed. Refer to field duplicate results for precision data.

Total Solids by SM 2540 G-2011:

A laboratory duplicate sample was performed on client sample B-1003-10. The RPD for percent moisture are within the laboratory control limit of 20% RPD.

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 samples, and the blanks are within the laboratory surrogate control limits.

Laboratory Control Samples

USEPA Method 8260D:

Laboratory control sample/laboratory control sample duplicates (LCS/LCSD) were analyzed by USEPA Method 8260D. The LCS/LCSD %R's and RPDs for the target compounds are within the laboratory control criteria for soils with the following discussion:

- LCS/LCSD (analytical batch WG1615884) recoveries for bromomethane are recovered above acceptance criteria and laboratory qualified (J4). No action is taken since bromomethane 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 %Rs for gasoline are within the laboratory control criteria.

Total Solids by SM 2540 G-2011:

An LCS was analyzed within the analytical batch. For precision data refer to laboratory or field duplicate results. The LCS %R for total solids is within the laboratory control criteria for soils.

Matrix Spike/ Matrix Spike Duplicates

USEPA Method 8260D:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on non-client samples within the analytical batch. In cases where MS/MSDs were not performed refer to laboratory control samples and field duplicate data for accuracy and precision data. The MS/MSD %R's and RPDs for the target compounds are within the laboratory control criteria for soil with the following discussion:

- Matrix spike analyses (analytical batch WG1615884) were performed on a non-client sample within the analytical batch. MS/MSD 1,4-dichlorobenzene recoveries are wide with an elevated RPD and laboratory qualified (J3). No action is taken since the spike is performed on a non-client sample.

NWTPH-Gx Method:

MS/MSD analyses were not performed. Refer to LCS results. No action was taken other than to note this.

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 Work Orders were provided by the laboratory and data validator qualifiers were entered, as appropriate, into the EDDs.

Quantitation Limits

Results of all analyses were reported based on standard laboratory RLs. The reported RLs are considered appropriate for this project.

Completeness

The samples were collected and analyzed as requested. Data completeness is 100%.

Data Assessment

The laboratory data reported for this project were reviewed based on laboratory control limit acceptance criteria and criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2017)

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.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	02/04/2021 16:31	WG1616301

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.05	3.10	25	02/05/2021 16:48	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.0			77.0-120		02/05/2021 16:48	WG1616906

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0452	0.0620	1	02/04/2021 00:38	WG1615884
Acrylonitrile	U		0.00447	0.0155	1	02/04/2021 00:38	WG1615884
Benzene	U		0.000579	0.00124	1	02/04/2021 00:38	WG1615884
Bromobenzene	U		0.00112	0.0155	1	02/04/2021 00:38	WG1615884
Bromodichloromethane	U		0.000899	0.00310	1	02/04/2021 00:38	WG1615884
Bromochloromethane	U		0.000699	0.00620	1	02/04/2021 00:38	WG1615884
Bromoform	U		0.00145	0.0310	1	02/04/2021 00:38	WG1615884
Bromomethane	U	J4	0.00244	0.0155	1	02/04/2021 00:38	WG1615884
n-Butylbenzene	U		0.00651	0.0155	1	02/04/2021 00:38	WG1615884
sec-Butylbenzene	U		0.00357	0.0155	1	02/04/2021 00:38	WG1615884
tert-Butylbenzene	U		0.00242	0.00620	1	02/04/2021 00:38	WG1615884
Carbon disulfide	U		0.000868	0.0155	1	02/04/2021 00:38	WG1615884
Carbon tetrachloride	U		0.00111	0.00620	1	02/04/2021 00:38	WG1615884
Chlorobenzene	U		0.000260	0.00310	1	02/04/2021 00:38	WG1615884
Chlorodibromomethane	U		0.000759	0.00310	1	02/04/2021 00:38	WG1615884
Chloroethane	U		0.00211	0.00620	1	02/04/2021 00:38	WG1615884
Chloroform	U		0.00128	0.00310	1	02/04/2021 00:38	WG1615884
Chloromethane	U		0.00539	0.0155	1	02/04/2021 00:38	WG1615884
2-Chlorotoluene	U	UJ C3	0.00107	0.00310	1	02/04/2021 00:38	WG1615884
4-Chlorotoluene	U		0.000558	0.00620	1	02/04/2021 00:38	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00483	0.0310	1	02/04/2021 00:38	WG1615884
1,2-Dibromoethane	U		0.000803	0.00310	1	02/04/2021 00:38	WG1615884
Dibromomethane	U		0.000930	0.00620	1	02/04/2021 00:38	WG1615884
1,2-Dichlorobenzene	U		0.000527	0.00620	1	02/04/2021 00:38	WG1615884
1,3-Dichlorobenzene	U		0.000744	0.00620	1	02/04/2021 00:38	WG1615884
1,4-Dichlorobenzene	U		0.000868	0.00620	1	02/04/2021 00:38	WG1615884
Dichlorodifluoromethane	U		0.00200	0.00310	1	02/04/2021 00:38	WG1615884
1,1-Dichloroethane	U		0.000609	0.00310	1	02/04/2021 00:38	WG1615884
1,2-Dichloroethane	U		0.000804	0.00310	1	02/04/2021 00:38	WG1615884
1,1-Dichloroethene	U		0.000751	0.00310	1	02/04/2021 00:38	WG1615884
cis-1,2-Dichloroethene	U		0.000910	0.00310	1	02/04/2021 00:38	WG1615884
trans-1,2-Dichloroethene	U		0.00129	0.00620	1	02/04/2021 00:38	WG1615884
1,2-Dichloropropane	U		0.00176	0.00620	1	02/04/2021 00:38	WG1615884
1,1-Dichloropropene	U		0.00100	0.00310	1	02/04/2021 00:38	WG1615884
1,3-Dichloropropane	U		0.000621	0.00620	1	02/04/2021 00:38	WG1615884
cis-1,3-Dichloropropene	U		0.000938	0.00310	1	02/04/2021 00:38	WG1615884
trans-1,3-Dichloropropene	U		0.00141	0.00620	1	02/04/2021 00:38	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00231	0.00620	1	02/04/2021 00:38	WG1615884
2,2-Dichloropropane	U		0.00171	0.00310	1	02/04/2021 00:38	WG1615884
Di-isopropyl ether	U		0.000508	0.00124	1	02/04/2021 00:38	WG1615884
Ethylbenzene	U		0.000913	0.00310	1	02/04/2021 00:38	WG1615884
Hexachloro-1,3-butadiene	U		0.00744	0.0310	1	02/04/2021 00:38	WG1615884
2-Hexanone	U	UJ C3	0.00416	0.0310	1	02/04/2021 00:38	WG1615884
n-Hexane	U		0.00280	0.00620	1	02/04/2021 00:38	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 09:00

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00288	0.0155	1	02/04/2021 00:38	WG1615884
Isopropylbenzene	U		0.000527	0.00310	1	02/04/2021 00:38	WG1615884
p-Isopropyltoluene	U		0.00316	0.00620	1	02/04/2021 00:38	WG1615884
2-Butanone (MEK)	0.103	U ~~BJ~~	0.0787	0.124	1	02/04/2021 00:38	WG1615884
Methylene Chloride	U		0.00823	0.0310	1	02/04/2021 00:38	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00283	0.0310	1	02/04/2021 00:38	WG1615884
Methyl tert-butyl ether	U		0.000434	0.00124	1	02/04/2021 00:38	WG1615884
Naphthalene	U		0.00605	0.0155	1	02/04/2021 00:38	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00118	0.00620	1	02/04/2021 00:38	WG1615884
Styrene	U		0.000284	0.0155	1	02/04/2021 00:38	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00118	0.00310	1	02/04/2021 00:38	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000861	0.00310	1	02/04/2021 00:38	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000935	0.00310	1	02/04/2021 00:38	WG1615884
Tetrachloroethene	0.00214	J	0.00111	0.00310	1	02/04/2021 00:38	WG1615884
Toluene	U		0.00161	0.00620	1	02/04/2021 00:38	WG1615884
1,2,3-Trichlorobenzene	U		0.00909	0.0155	1	02/04/2021 00:38	WG1615884
1,2,4-Trichlorobenzene	U		0.00545	0.0155	1	02/04/2021 00:38	WG1615884
1,1,1-Trichloroethane	U		0.00114	0.00310	1	02/04/2021 00:38	WG1615884
1,1,2-Trichloroethane	U		0.000740	0.00310	1	02/04/2021 00:38	WG1615884
Trichloroethene	U		0.000724	0.00124	1	02/04/2021 00:38	WG1615884
Trichlorofluoromethane	U		0.00103	0.00310	1	02/04/2021 00:38	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00201	0.0155	1	02/04/2021 00:38	WG1615884
1,2,4-Trimethylbenzene	U		0.00196	0.00620	1	02/04/2021 00:38	WG1615884
1,2,3-Trimethylbenzene	U		0.00196	0.00620	1	02/04/2021 00:38	WG1615884
1,3,5-Trimethylbenzene	U		0.00248	0.00620	1	02/04/2021 00:38	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00315	0.0155	1	02/04/2021 00:38	WG1615884
Vinyl chloride	U		0.00144	0.00310	1	02/04/2021 00:38	WG1615884
Xylenes, Total	U		0.00109	0.00806	1	02/04/2021 00:38	WG1615884
(S) Toluene-d8	104			75.0-131		02/04/2021 00:38	WG1615884
(S) 4-Bromofluorobenzene	95.3			67.0-138		02/04/2021 00:38	WG1615884
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		02/04/2021 00:38	WG1615884

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	02/04/2021 16:31	WG1616301

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.12	3.30	25	02/05/2021 17:09	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.2			77.0-120		02/05/2021 17:09	WG1616906

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0482	0.0660	1	02/04/2021 00:57	WG1615884
Acrylonitrile	U		0.00477	0.0165	1	02/04/2021 00:57	WG1615884
Benzene	U		0.000616	0.00132	1	02/04/2021 00:57	WG1615884
Bromobenzene	U		0.00119	0.0165	1	02/04/2021 00:57	WG1615884
Bromodichloromethane	U		0.000957	0.00330	1	02/04/2021 00:57	WG1615884
Bromochloromethane	U		0.000745	0.00660	1	02/04/2021 00:57	WG1615884
Bromoform	U		0.00154	0.0330	1	02/04/2021 00:57	WG1615884
Bromomethane	U	J4	0.00260	0.0165	1	02/04/2021 00:57	WG1615884
n-Butylbenzene	U		0.00693	0.0165	1	02/04/2021 00:57	WG1615884
sec-Butylbenzene	U		0.00380	0.0165	1	02/04/2021 00:57	WG1615884
tert-Butylbenzene	U		0.00257	0.00660	1	02/04/2021 00:57	WG1615884
Carbon disulfide	U		0.000924	0.0165	1	02/04/2021 00:57	WG1615884
Carbon tetrachloride	U		0.00119	0.00660	1	02/04/2021 00:57	WG1615884
Chlorobenzene	U		0.000277	0.00330	1	02/04/2021 00:57	WG1615884
Chlorodibromomethane	U		0.000808	0.00330	1	02/04/2021 00:57	WG1615884
Chloroethane	U		0.00224	0.00660	1	02/04/2021 00:57	WG1615884
Chloroform	U		0.00136	0.00330	1	02/04/2021 00:57	WG1615884
Chloromethane	U		0.00574	0.0165	1	02/04/2021 00:57	WG1615884
2-Chlorotoluene	U	UJ C3	0.00114	0.00330	1	02/04/2021 00:57	WG1615884
4-Chlorotoluene	U		0.000594	0.00660	1	02/04/2021 00:57	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00515	0.0330	1	02/04/2021 00:57	WG1615884
1,2-Dibromoethane	U		0.000855	0.00330	1	02/04/2021 00:57	WG1615884
Dibromomethane	U		0.000990	0.00660	1	02/04/2021 00:57	WG1615884
1,2-Dichlorobenzene	U		0.000561	0.00660	1	02/04/2021 00:57	WG1615884
1,3-Dichlorobenzene	U		0.000792	0.00660	1	02/04/2021 00:57	WG1615884
1,4-Dichlorobenzene	U		0.000924	0.00660	1	02/04/2021 00:57	WG1615884
Dichlorodifluoromethane	U		0.00213	0.00330	1	02/04/2021 00:57	WG1615884
1,1-Dichloroethane	U		0.000648	0.00330	1	02/04/2021 00:57	WG1615884
1,2-Dichloroethane	U		0.000857	0.00330	1	02/04/2021 00:57	WG1615884
1,1-Dichloroethene	U		0.000800	0.00330	1	02/04/2021 00:57	WG1615884
cis-1,2-Dichloroethene	U		0.000969	0.00330	1	02/04/2021 00:57	WG1615884
trans-1,2-Dichloroethene	U		0.00137	0.00660	1	02/04/2021 00:57	WG1615884
1,2-Dichloropropane	U		0.00187	0.00660	1	02/04/2021 00:57	WG1615884
1,1-Dichloropropene	U		0.00107	0.00330	1	02/04/2021 00:57	WG1615884
1,3-Dichloropropane	U		0.000661	0.00660	1	02/04/2021 00:57	WG1615884
cis-1,3-Dichloropropene	U		0.000999	0.00330	1	02/04/2021 00:57	WG1615884
trans-1,3-Dichloropropene	U		0.00150	0.00660	1	02/04/2021 00:57	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00246	0.00660	1	02/04/2021 00:57	WG1615884
2,2-Dichloropropane	U		0.00182	0.00330	1	02/04/2021 00:57	WG1615884
Di-isopropyl ether	U		0.000541	0.00132	1	02/04/2021 00:57	WG1615884
Ethylbenzene	U		0.000973	0.00330	1	02/04/2021 00:57	WG1615884
Hexachloro-1,3-butadiene	U		0.00792	0.0330	1	02/04/2021 00:57	WG1615884
2-Hexanone	U	UJ C3	0.00444	0.0330	1	02/04/2021 00:57	WG1615884
n-Hexane	U		0.00298	0.00660	1	02/04/2021 00:57	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 10:15

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00306	0.0165	1	02/04/2021 00:57	WG1615884
Isopropylbenzene	U		0.000561	0.00330	1	02/04/2021 00:57	WG1615884
p-Isopropyltoluene	U		0.00337	0.00660	1	02/04/2021 00:57	WG1615884
2-Butanone (MEK)	0.0910	U ~~BJ~~	0.0838	0.132	1	02/04/2021 00:57	WG1615884
Methylene Chloride	U		0.00877	0.0330	1	02/04/2021 00:57	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00301	0.0330	1	02/04/2021 00:57	WG1615884
Methyl tert-butyl ether	U		0.000462	0.00132	1	02/04/2021 00:57	WG1615884
Naphthalene	U		0.00644	0.0165	1	02/04/2021 00:57	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00125	0.00660	1	02/04/2021 00:57	WG1615884
Styrene	U		0.000302	0.0165	1	02/04/2021 00:57	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00125	0.00330	1	02/04/2021 00:57	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000917	0.00330	1	02/04/2021 00:57	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000995	0.00330	1	02/04/2021 00:57	WG1615884
Tetrachloroethene	U		0.00118	0.00330	1	02/04/2021 00:57	WG1615884
Toluene	U		0.00172	0.00660	1	02/04/2021 00:57	WG1615884
1,2,3-Trichlorobenzene	U		0.00968	0.0165	1	02/04/2021 00:57	WG1615884
1,2,4-Trichlorobenzene	U		0.00581	0.0165	1	02/04/2021 00:57	WG1615884
1,1,1-Trichloroethane	U		0.00122	0.00330	1	02/04/2021 00:57	WG1615884
1,1,2-Trichloroethane	U		0.000788	0.00330	1	02/04/2021 00:57	WG1615884
Trichloroethene	U		0.000771	0.00132	1	02/04/2021 00:57	WG1615884
Trichlorofluoromethane	U		0.00109	0.00330	1	02/04/2021 00:57	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00214	0.0165	1	02/04/2021 00:57	WG1615884
1,2,4-Trimethylbenzene	U		0.00209	0.00660	1	02/04/2021 00:57	WG1615884
1,2,3-Trimethylbenzene	U		0.00209	0.00660	1	02/04/2021 00:57	WG1615884
1,3,5-Trimethylbenzene	U		0.00264	0.00660	1	02/04/2021 00:57	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00335	0.0165	1	02/04/2021 00:57	WG1615884
Vinyl chloride	U		0.00153	0.00330	1	02/04/2021 00:57	WG1615884
Xylenes, Total	U		0.00116	0.00858	1	02/04/2021 00:57	WG1615884
(S) Toluene-d8	105			75.0-131		02/04/2021 00:57	WG1615884
(S) 4-Bromofluorobenzene	96.9			67.0-138		02/04/2021 00:57	WG1615884
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		02/04/2021 00:57	WG1615884

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	02/04/2021 16:31	WG1616301

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.01	2.98	25	02/05/2021 17:30	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.4			77.0-120		02/05/2021 17:30	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0435	0.0596	1	02/04/2021 01:16	WG1615884
Acrylonitrile	U		0.00430	0.0149	1	02/04/2021 01:16	WG1615884
Benzene	U		0.000557	0.00119	1	02/04/2021 01:16	WG1615884
Bromobenzene	U		0.00107	0.0149	1	02/04/2021 01:16	WG1615884
Bromodichloromethane	U		0.000864	0.00298	1	02/04/2021 01:16	WG1615884
Bromochloromethane	U		0.000672	0.00596	1	02/04/2021 01:16	WG1615884
Bromoform	U		0.00139	0.0298	1	02/04/2021 01:16	WG1615884
Bromomethane	U	J4	0.00235	0.0149	1	02/04/2021 01:16	WG1615884
n-Butylbenzene	U		0.00626	0.0149	1	02/04/2021 01:16	WG1615884
sec-Butylbenzene	U		0.00343	0.0149	1	02/04/2021 01:16	WG1615884
tert-Butylbenzene	U		0.00232	0.00596	1	02/04/2021 01:16	WG1615884
Carbon disulfide	U		0.000834	0.0149	1	02/04/2021 01:16	WG1615884
Carbon tetrachloride	U		0.00107	0.00596	1	02/04/2021 01:16	WG1615884
Chlorobenzene	U		0.000250	0.00298	1	02/04/2021 01:16	WG1615884
Chlorodibromomethane	U		0.000729	0.00298	1	02/04/2021 01:16	WG1615884
Chloroethane	U		0.00203	0.00596	1	02/04/2021 01:16	WG1615884
Chloroform	U		0.00123	0.00298	1	02/04/2021 01:16	WG1615884
Chloromethane	U		0.00518	0.0149	1	02/04/2021 01:16	WG1615884
2-Chlorotoluene	U	UJ C3	0.00103	0.00298	1	02/04/2021 01:16	WG1615884
4-Chlorotoluene	U		0.000536	0.00596	1	02/04/2021 01:16	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00465	0.0298	1	02/04/2021 01:16	WG1615884
1,2-Dibromoethane	U		0.000772	0.00298	1	02/04/2021 01:16	WG1615884
Dibromomethane	U		0.000894	0.00596	1	02/04/2021 01:16	WG1615884
1,2-Dichlorobenzene	U		0.000507	0.00596	1	02/04/2021 01:16	WG1615884
1,3-Dichlorobenzene	U		0.000715	0.00596	1	02/04/2021 01:16	WG1615884
1,4-Dichlorobenzene	U		0.000834	0.00596	1	02/04/2021 01:16	WG1615884
Dichlorodifluoromethane	U		0.00192	0.00298	1	02/04/2021 01:16	WG1615884
1,1-Dichloroethane	U		0.000585	0.00298	1	02/04/2021 01:16	WG1615884
1,2-Dichloroethane	U		0.000774	0.00298	1	02/04/2021 01:16	WG1615884
1,1-Dichloroethene	U		0.000722	0.00298	1	02/04/2021 01:16	WG1615884
cis-1,2-Dichloroethene	U		0.000875	0.00298	1	02/04/2021 01:16	WG1615884
trans-1,2-Dichloroethene	U		0.00124	0.00596	1	02/04/2021 01:16	WG1615884
1,2-Dichloropropane	U		0.00169	0.00596	1	02/04/2021 01:16	WG1615884
1,1-Dichloropropene	U		0.000964	0.00298	1	02/04/2021 01:16	WG1615884
1,3-Dichloropropane	U		0.000597	0.00596	1	02/04/2021 01:16	WG1615884
cis-1,3-Dichloropropene	U		0.000902	0.00298	1	02/04/2021 01:16	WG1615884
trans-1,3-Dichloropropene	U		0.00136	0.00596	1	02/04/2021 01:16	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00222	0.00596	1	02/04/2021 01:16	WG1615884
2,2-Dichloropropane	U		0.00164	0.00298	1	02/04/2021 01:16	WG1615884
Di-isopropyl ether	U		0.000489	0.00119	1	02/04/2021 01:16	WG1615884
Ethylbenzene	U		0.000878	0.00298	1	02/04/2021 01:16	WG1615884
Hexachloro-1,3-butadiene	U		0.00715	0.0298	1	02/04/2021 01:16	WG1615884
2-Hexanone	U	UJ C3	0.00400	0.0298	1	02/04/2021 01:16	WG1615884
n-Hexane	U		0.00269	0.00596	1	02/04/2021 01:16	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 10:20

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00277	0.0149	1	02/04/2021 01:16	WG1615884
Isopropylbenzene	U		0.000507	0.00298	1	02/04/2021 01:16	WG1615884
p-Isopropyltoluene	U		0.00304	0.00596	1	02/04/2021 01:16	WG1615884
2-Butanone (MEK)	0.0884	U ~~BJ~~	0.0757	0.119	1	02/04/2021 01:16	WG1615884
Methylene Chloride	U		0.00791	0.0298	1	02/04/2021 01:16	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00272	0.0298	1	02/04/2021 01:16	WG1615884
Methyl tert-butyl ether	U		0.000417	0.00119	1	02/04/2021 01:16	WG1615884
Naphthalene	U		0.00582	0.0149	1	02/04/2021 01:16	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00113	0.00596	1	02/04/2021 01:16	WG1615884
Styrene	U		0.000273	0.0149	1	02/04/2021 01:16	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	02/04/2021 01:16	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000828	0.00298	1	02/04/2021 01:16	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000899	0.00298	1	02/04/2021 01:16	WG1615884
Tetrachloroethene	0.00126	J	0.00107	0.00298	1	02/04/2021 01:16	WG1615884
Toluene	U		0.00155	0.00596	1	02/04/2021 01:16	WG1615884
1,2,3-Trichlorobenzene	U		0.00874	0.0149	1	02/04/2021 01:16	WG1615884
1,2,4-Trichlorobenzene	U		0.00524	0.0149	1	02/04/2021 01:16	WG1615884
1,1,1-Trichloroethane	U		0.00110	0.00298	1	02/04/2021 01:16	WG1615884
1,1,2-Trichloroethane	U		0.000712	0.00298	1	02/04/2021 01:16	WG1615884
Trichloroethene	U		0.000696	0.00119	1	02/04/2021 01:16	WG1615884
Trichlorofluoromethane	U		0.000986	0.00298	1	02/04/2021 01:16	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00193	0.0149	1	02/04/2021 01:16	WG1615884
1,2,4-Trimethylbenzene	U		0.00188	0.00596	1	02/04/2021 01:16	WG1615884
1,2,3-Trimethylbenzene	U		0.00188	0.00596	1	02/04/2021 01:16	WG1615884
1,3,5-Trimethylbenzene	U		0.00238	0.00596	1	02/04/2021 01:16	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00303	0.0149	1	02/04/2021 01:16	WG1615884
Vinyl chloride	U		0.00138	0.00298	1	02/04/2021 01:16	WG1615884
Xylenes, Total	0.00170	J	0.00105	0.00775	1	02/04/2021 01:16	WG1615884
(S) Toluene-d8	105			75.0-131		02/04/2021 01:16	WG1615884
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/04/2021 01:16	WG1615884
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		02/04/2021 01:16	WG1615884

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

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	02/04/2021 16:31	WG1616301

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.12	3.30	25	02/05/2021 17:51	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	95.5			77.0-120		02/05/2021 17:51	WG1616906

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0482	0.0661	1	02/04/2021 01:35	WG1615884
Acrylonitrile	U		0.00477	0.0165	1	02/04/2021 01:35	WG1615884
Benzene	U		0.000617	0.00132	1	02/04/2021 01:35	WG1615884
Bromobenzene	U		0.00119	0.0165	1	02/04/2021 01:35	WG1615884
Bromodichloromethane	U		0.000958	0.00330	1	02/04/2021 01:35	WG1615884
Bromochloromethane	U		0.000745	0.00661	1	02/04/2021 01:35	WG1615884
Bromoform	U		0.00155	0.0330	1	02/04/2021 01:35	WG1615884
Bromomethane	U	J4	0.00260	0.0165	1	02/04/2021 01:35	WG1615884
n-Butylbenzene	U		0.00694	0.0165	1	02/04/2021 01:35	WG1615884
sec-Butylbenzene	U		0.00381	0.0165	1	02/04/2021 01:35	WG1615884
tert-Butylbenzene	U		0.00258	0.00661	1	02/04/2021 01:35	WG1615884
Carbon disulfide	U		0.000925	0.0165	1	02/04/2021 01:35	WG1615884
Carbon tetrachloride	U		0.00119	0.00661	1	02/04/2021 01:35	WG1615884
Chlorobenzene	U		0.000278	0.00330	1	02/04/2021 01:35	WG1615884
Chlorodibromomethane	U		0.000809	0.00330	1	02/04/2021 01:35	WG1615884
Chloroethane	U		0.00225	0.00661	1	02/04/2021 01:35	WG1615884
Chloroform	U		0.00136	0.00330	1	02/04/2021 01:35	WG1615884
Chloromethane	U		0.00575	0.0165	1	02/04/2021 01:35	WG1615884
2-Chlorotoluene	U	UJ C3	0.00114	0.00330	1	02/04/2021 01:35	WG1615884
4-Chlorotoluene	U		0.000595	0.00661	1	02/04/2021 01:35	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00515	0.0330	1	02/04/2021 01:35	WG1615884
1,2-Dibromoethane	U		0.000856	0.00330	1	02/04/2021 01:35	WG1615884
Dibromomethane	U		0.000991	0.00661	1	02/04/2021 01:35	WG1615884
1,2-Dichlorobenzene	U		0.000562	0.00661	1	02/04/2021 01:35	WG1615884
1,3-Dichlorobenzene	U		0.000793	0.00661	1	02/04/2021 01:35	WG1615884
1,4-Dichlorobenzene	U		0.000925	0.00661	1	02/04/2021 01:35	WG1615884
Dichlorodifluoromethane	U		0.00213	0.00330	1	02/04/2021 01:35	WG1615884
1,1-Dichloroethane	U		0.000649	0.00330	1	02/04/2021 01:35	WG1615884
1,2-Dichloroethane	U		0.000858	0.00330	1	02/04/2021 01:35	WG1615884
1,1-Dichloroethene	U		0.000801	0.00330	1	02/04/2021 01:35	WG1615884
cis-1,2-Dichloroethene	U		0.000970	0.00330	1	02/04/2021 01:35	WG1615884
trans-1,2-Dichloroethene	U		0.00137	0.00661	1	02/04/2021 01:35	WG1615884
1,2-Dichloropropane	U		0.00188	0.00661	1	02/04/2021 01:35	WG1615884
1,1-Dichloropropene	U		0.00107	0.00330	1	02/04/2021 01:35	WG1615884
1,3-Dichloropropane	U		0.000662	0.00661	1	02/04/2021 01:35	WG1615884
cis-1,3-Dichloropropene	U		0.00100	0.00330	1	02/04/2021 01:35	WG1615884
trans-1,3-Dichloropropene	U		0.00151	0.00661	1	02/04/2021 01:35	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00246	0.00661	1	02/04/2021 01:35	WG1615884
2,2-Dichloropropane	U		0.00182	0.00330	1	02/04/2021 01:35	WG1615884
Di-isopropyl ether	U		0.000542	0.00132	1	02/04/2021 01:35	WG1615884
Ethylbenzene	U		0.000974	0.00330	1	02/04/2021 01:35	WG1615884
Hexachloro-1,3-butadiene	U		0.00793	0.0330	1	02/04/2021 01:35	WG1615884
2-Hexanone	U	UJ C3	0.00444	0.0330	1	02/04/2021 01:35	WG1615884
n-Hexane	U		0.00299	0.00661	1	02/04/2021 01:35	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 11:00

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00307	0.0165	1	02/04/2021 01:35	WG1615884
Isopropylbenzene	U		0.000562	0.00330	1	02/04/2021 01:35	WG1615884
p-Isopropyltoluene	U		0.00337	0.00661	1	02/04/2021 01:35	WG1615884
2-Butanone (MEK)	U		0.0839	0.132	1	02/04/2021 01:35	WG1615884
Methylene Chloride	U		0.00878	0.0330	1	02/04/2021 01:35	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ C3	0.00301	0.0330	1	02/04/2021 01:35	WG1615884
Methyl tert-butyl ether	U		0.000463	0.00132	1	02/04/2021 01:35	WG1615884
Naphthalene	U		0.00645	0.0165	1	02/04/2021 01:35	WG1615884
n-Propylbenzene	U	UJ C3	0.00126	0.00661	1	02/04/2021 01:35	WG1615884
Styrene	U		0.000303	0.0165	1	02/04/2021 01:35	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00125	0.00330	1	02/04/2021 01:35	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ C3	0.000919	0.00330	1	02/04/2021 01:35	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000996	0.00330	1	02/04/2021 01:35	WG1615884
Tetrachloroethene	U		0.00118	0.00330	1	02/04/2021 01:35	WG1615884
Toluene	U		0.00172	0.00661	1	02/04/2021 01:35	WG1615884
1,2,3-Trichlorobenzene	U		0.00969	0.0165	1	02/04/2021 01:35	WG1615884
1,2,4-Trichlorobenzene	U		0.00582	0.0165	1	02/04/2021 01:35	WG1615884
1,1,1-Trichloroethane	U		0.00122	0.00330	1	02/04/2021 01:35	WG1615884
1,1,2-Trichloroethane	U		0.000789	0.00330	1	02/04/2021 01:35	WG1615884
Trichloroethene	U		0.000772	0.00132	1	02/04/2021 01:35	WG1615884
Trichlorofluoromethane	U		0.00109	0.00330	1	02/04/2021 01:35	WG1615884
1,2,3-Trichloropropane	U	UJ C3	0.00214	0.0165	1	02/04/2021 01:35	WG1615884
1,2,4-Trimethylbenzene	0.00225	U	0.00209	0.00661	1	02/04/2021 01:35	WG1615884
1,2,3-Trimethylbenzene	U		0.00209	0.00661	1	02/04/2021 01:35	WG1615884
1,3,5-Trimethylbenzene	U		0.00264	0.00661	1	02/04/2021 01:35	WG1615884
Vinyl acetate	U	UJ C3	0.00336	0.0165	1	02/04/2021 01:35	WG1615884
Vinyl chloride	U		0.00153	0.00330	1	02/04/2021 01:35	WG1615884
Xylenes, Total	0.00608	U	0.00116	0.00859	1	02/04/2021 01:35	WG1615884
(S) Toluene-d8	107			75.0-131		02/04/2021 01:35	WG1615884
(S) 4-Bromofluorobenzene	98.9			67.0-138		02/04/2021 01:35	WG1615884
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		02/04/2021 01:35	WG1615884

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

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	02/04/2021 11:52	WG1616364

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.09	3.22	25	02/05/2021 18:11	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120		02/05/2021 18:11	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0471	0.0645	1	02/04/2021 01:54	WG1615884
Acrylonitrile	U		0.00466	0.0161	1	02/04/2021 01:54	WG1615884
Benzene	U		0.000602	0.00129	1	02/04/2021 01:54	WG1615884
Bromobenzene	U		0.00116	0.0161	1	02/04/2021 01:54	WG1615884
Bromodichloromethane	U		0.000935	0.00322	1	02/04/2021 01:54	WG1615884
Bromochloromethane	U		0.000727	0.00645	1	02/04/2021 01:54	WG1615884
Bromoform	U		0.00151	0.0322	1	02/04/2021 01:54	WG1615884
Bromomethane	U	J4	0.00254	0.0161	1	02/04/2021 01:54	WG1615884
n-Butylbenzene	U		0.00677	0.0161	1	02/04/2021 01:54	WG1615884
sec-Butylbenzene	U		0.00371	0.0161	1	02/04/2021 01:54	WG1615884
tert-Butylbenzene	U		0.00251	0.00645	1	02/04/2021 01:54	WG1615884
Carbon disulfide	U		0.000903	0.0161	1	02/04/2021 01:54	WG1615884
Carbon tetrachloride	U		0.00116	0.00645	1	02/04/2021 01:54	WG1615884
Chlorobenzene	U		0.000271	0.00322	1	02/04/2021 01:54	WG1615884
Chlorodibromomethane	U		0.000789	0.00322	1	02/04/2021 01:54	WG1615884
Chloroethane	U		0.00219	0.00645	1	02/04/2021 01:54	WG1615884
Chloroform	U		0.00133	0.00322	1	02/04/2021 01:54	WG1615884
Chloromethane	U		0.00561	0.0161	1	02/04/2021 01:54	WG1615884
2-Chlorotoluene	U	UJ C3	0.00112	0.00322	1	02/04/2021 01:54	WG1615884
4-Chlorotoluene	U		0.000580	0.00645	1	02/04/2021 01:54	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00503	0.0322	1	02/04/2021 01:54	WG1615884
1,2-Dibromoethane	U		0.000836	0.00322	1	02/04/2021 01:54	WG1615884
Dibromomethane	U		0.000967	0.00645	1	02/04/2021 01:54	WG1615884
1,2-Dichlorobenzene	U		0.000548	0.00645	1	02/04/2021 01:54	WG1615884
1,3-Dichlorobenzene	U		0.000774	0.00645	1	02/04/2021 01:54	WG1615884
1,4-Dichlorobenzene	U		0.000903	0.00645	1	02/04/2021 01:54	WG1615884
Dichlorodifluoromethane	U		0.00208	0.00322	1	02/04/2021 01:54	WG1615884
1,1-Dichloroethane	U		0.000633	0.00322	1	02/04/2021 01:54	WG1615884
1,2-Dichloroethane	U		0.000837	0.00322	1	02/04/2021 01:54	WG1615884
1,1-Dichloroethene	U		0.000782	0.00322	1	02/04/2021 01:54	WG1615884
cis-1,2-Dichloroethene	U		0.000947	0.00322	1	02/04/2021 01:54	WG1615884
trans-1,2-Dichloroethene	U		0.00134	0.00645	1	02/04/2021 01:54	WG1615884
1,2-Dichloropropane	U		0.00183	0.00645	1	02/04/2021 01:54	WG1615884
1,1-Dichloropropene	U		0.00104	0.00322	1	02/04/2021 01:54	WG1615884
1,3-Dichloropropane	U		0.000646	0.00645	1	02/04/2021 01:54	WG1615884
cis-1,3-Dichloropropene	U		0.000976	0.00322	1	02/04/2021 01:54	WG1615884
trans-1,3-Dichloropropene	U		0.00147	0.00645	1	02/04/2021 01:54	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00240	0.00645	1	02/04/2021 01:54	WG1615884
2,2-Dichloropropane	U		0.00178	0.00322	1	02/04/2021 01:54	WG1615884
Di-isopropyl ether	U		0.000529	0.00129	1	02/04/2021 01:54	WG1615884
Ethylbenzene	U		0.000951	0.00322	1	02/04/2021 01:54	WG1615884
Hexachloro-1,3-butadiene	U		0.00774	0.0322	1	02/04/2021 01:54	WG1615884
2-Hexanone	U	UJ C3	0.00433	0.0322	1	02/04/2021 01:54	WG1615884
n-Hexane	U		0.00291	0.00645	1	02/04/2021 01:54	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 11:05

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00299	0.0161	1	02/04/2021 01:54	WG1615884
Isopropylbenzene	U		0.000548	0.00322	1	02/04/2021 01:54	WG1615884
p-Isopropyltoluene	U		0.00329	0.00645	1	02/04/2021 01:54	WG1615884
2-Butanone (MEK)	0.0837	U ~~BJ~~	0.0819	0.129	1	02/04/2021 01:54	WG1615884
Methylene Chloride	U		0.00856	0.0322	1	02/04/2021 01:54	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00294	0.0322	1	02/04/2021 01:54	WG1615884
Methyl tert-butyl ether	U		0.000451	0.00129	1	02/04/2021 01:54	WG1615884
Naphthalene	U		0.00629	0.0161	1	02/04/2021 01:54	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00123	0.00645	1	02/04/2021 01:54	WG1615884
Styrene	U		0.000295	0.0161	1	02/04/2021 01:54	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00122	0.00322	1	02/04/2021 01:54	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000896	0.00322	1	02/04/2021 01:54	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000972	0.00322	1	02/04/2021 01:54	WG1615884
Tetrachloroethene	0.00172	J	0.00116	0.00322	1	02/04/2021 01:54	WG1615884
Toluene	U		0.00168	0.00645	1	02/04/2021 01:54	WG1615884
1,2,3-Trichlorobenzene	U		0.00945	0.0161	1	02/04/2021 01:54	WG1615884
1,2,4-Trichlorobenzene	U		0.00567	0.0161	1	02/04/2021 01:54	WG1615884
1,1,1-Trichloroethane	U		0.00119	0.00322	1	02/04/2021 01:54	WG1615884
1,1,2-Trichloroethane	U		0.000770	0.00322	1	02/04/2021 01:54	WG1615884
Trichloroethene	U		0.000753	0.00129	1	02/04/2021 01:54	WG1615884
Trichlorofluoromethane	U		0.00107	0.00322	1	02/04/2021 01:54	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00209	0.0161	1	02/04/2021 01:54	WG1615884
1,2,4-Trimethylbenzene	U		0.00204	0.00645	1	02/04/2021 01:54	WG1615884
1,2,3-Trimethylbenzene	U		0.00204	0.00645	1	02/04/2021 01:54	WG1615884
1,3,5-Trimethylbenzene	U		0.00258	0.00645	1	02/04/2021 01:54	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00328	0.0161	1	02/04/2021 01:54	WG1615884
Vinyl chloride	U		0.00150	0.00322	1	02/04/2021 01:54	WG1615884
Xylenes, Total	U		0.00113	0.00838	1	02/04/2021 01:54	WG1615884
(S) Toluene-d8	106			75.0-131		02/04/2021 01:54	WG1615884
(S) 4-Bromofluorobenzene	98.7			67.0-138		02/04/2021 01:54	WG1615884
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		02/04/2021 01:54	WG1615884

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

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	02/04/2021 11:52	WG1616364

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.09	3.21	25	02/05/2021 18:32	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	95.9			77.0-120		02/05/2021 18:32	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0468	0.0641	1	02/04/2021 02:13	WG1615884
Acrylonitrile	U		0.00463	0.0160	1	02/04/2021 02:13	WG1615884
Benzene	U		0.000599	0.00128	1	02/04/2021 02:13	WG1615884
Bromobenzene	U		0.00115	0.0160	1	02/04/2021 02:13	WG1615884
Bromodichloromethane	U		0.000930	0.00321	1	02/04/2021 02:13	WG1615884
Bromochloromethane	U		0.000723	0.00641	1	02/04/2021 02:13	WG1615884
Bromoform	U		0.00150	0.0321	1	02/04/2021 02:13	WG1615884
Bromomethane	U	J4	0.00253	0.0160	1	02/04/2021 02:13	WG1615884
n-Butylbenzene	U		0.00673	0.0160	1	02/04/2021 02:13	WG1615884
sec-Butylbenzene	U		0.00369	0.0160	1	02/04/2021 02:13	WG1615884
tert-Butylbenzene	U		0.00250	0.00641	1	02/04/2021 02:13	WG1615884
Carbon disulfide	U		0.000898	0.0160	1	02/04/2021 02:13	WG1615884
Carbon tetrachloride	U		0.00115	0.00641	1	02/04/2021 02:13	WG1615884
Chlorobenzene	U		0.000269	0.00321	1	02/04/2021 02:13	WG1615884
Chlorodibromomethane	U		0.000785	0.00321	1	02/04/2021 02:13	WG1615884
Chloroethane	U		0.00218	0.00641	1	02/04/2021 02:13	WG1615884
Chloroform	U		0.00132	0.00321	1	02/04/2021 02:13	WG1615884
Chloromethane	U		0.00558	0.0160	1	02/04/2021 02:13	WG1615884
2-Chlorotoluene	U	UJ C3	0.00111	0.00321	1	02/04/2021 02:13	WG1615884
4-Chlorotoluene	U		0.000577	0.00641	1	02/04/2021 02:13	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00500	0.0321	1	02/04/2021 02:13	WG1615884
1,2-Dibromoethane	U		0.000831	0.00321	1	02/04/2021 02:13	WG1615884
Dibromomethane	U		0.000962	0.00641	1	02/04/2021 02:13	WG1615884
1,2-Dichlorobenzene	U		0.000545	0.00641	1	02/04/2021 02:13	WG1615884
1,3-Dichlorobenzene	U		0.000770	0.00641	1	02/04/2021 02:13	WG1615884
1,4-Dichlorobenzene	U		0.000898	0.00641	1	02/04/2021 02:13	WG1615884
Dichlorodifluoromethane	U		0.00207	0.00321	1	02/04/2021 02:13	WG1615884
1,1-Dichloroethane	U		0.000630	0.00321	1	02/04/2021 02:13	WG1615884
1,2-Dichloroethane	U		0.000832	0.00321	1	02/04/2021 02:13	WG1615884
1,1-Dichloroethene	U		0.000777	0.00321	1	02/04/2021 02:13	WG1615884
cis-1,2-Dichloroethene	U		0.000941	0.00321	1	02/04/2021 02:13	WG1615884
trans-1,2-Dichloroethene	U		0.00133	0.00641	1	02/04/2021 02:13	WG1615884
1,2-Dichloropropane	U		0.00182	0.00641	1	02/04/2021 02:13	WG1615884
1,1-Dichloropropene	U		0.00104	0.00321	1	02/04/2021 02:13	WG1615884
1,3-Dichloropropane	U		0.000643	0.00641	1	02/04/2021 02:13	WG1615884
cis-1,3-Dichloropropene	U		0.000971	0.00321	1	02/04/2021 02:13	WG1615884
trans-1,3-Dichloropropene	U		0.00146	0.00641	1	02/04/2021 02:13	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00239	0.00641	1	02/04/2021 02:13	WG1615884
2,2-Dichloropropane	U		0.00177	0.00321	1	02/04/2021 02:13	WG1615884
Di-isopropyl ether	U		0.000526	0.00128	1	02/04/2021 02:13	WG1615884
Ethylbenzene	U		0.000945	0.00321	1	02/04/2021 02:13	WG1615884
Hexachloro-1,3-butadiene	U		0.00770	0.0321	1	02/04/2021 02:13	WG1615884
2-Hexanone	U	UJ C3	0.00431	0.0321	1	02/04/2021 02:13	WG1615884
n-Hexane	U		0.00290	0.00641	1	02/04/2021 02:13	WG1615884

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC
2/10/2021



Collected date/time: 02/01/21 11:35

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00298	0.0160	1	02/04/2021 02:13	WG1615884
Isopropylbenzene	U		0.000545	0.00321	1	02/04/2021 02:13	WG1615884
p-Isopropyltoluene	U		0.00327	0.00641	1	02/04/2021 02:13	WG1615884
2-Butanone (MEK)	0.0839	U ~~BJ~~	0.0814	0.128	1	02/04/2021 02:13	WG1615884
Methylene Chloride	U		0.00852	0.0321	1	02/04/2021 02:13	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00292	0.0321	1	02/04/2021 02:13	WG1615884
Methyl tert-butyl ether	U		0.000449	0.00128	1	02/04/2021 02:13	WG1615884
Naphthalene	U		0.00626	0.0160	1	02/04/2021 02:13	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00122	0.00641	1	02/04/2021 02:13	WG1615884
Styrene	U		0.000294	0.0160	1	02/04/2021 02:13	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00122	0.00321	1	02/04/2021 02:13	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000891	0.00321	1	02/04/2021 02:13	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000967	0.00321	1	02/04/2021 02:13	WG1615884
Tetrachloroethene	0.00156	J	0.00115	0.00321	1	02/04/2021 02:13	WG1615884
Toluene	U		0.00167	0.00641	1	02/04/2021 02:13	WG1615884
1,2,3-Trichlorobenzene	U		0.00940	0.0160	1	02/04/2021 02:13	WG1615884
1,2,4-Trichlorobenzene	U		0.00564	0.0160	1	02/04/2021 02:13	WG1615884
1,1,1-Trichloroethane	U		0.00118	0.00321	1	02/04/2021 02:13	WG1615884
1,1,2-Trichloroethane	U		0.000766	0.00321	1	02/04/2021 02:13	WG1615884
Trichloroethene	U		0.000749	0.00128	1	02/04/2021 02:13	WG1615884
Trichlorofluoromethane	U		0.00106	0.00321	1	02/04/2021 02:13	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00208	0.0160	1	02/04/2021 02:13	WG1615884
1,2,4-Trimethylbenzene	U		0.00203	0.00641	1	02/04/2021 02:13	WG1615884
1,2,3-Trimethylbenzene	U		0.00203	0.00641	1	02/04/2021 02:13	WG1615884
1,3,5-Trimethylbenzene	U		0.00257	0.00641	1	02/04/2021 02:13	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00326	0.0160	1	02/04/2021 02:13	WG1615884
Vinyl chloride	U		0.00149	0.00321	1	02/04/2021 02:13	WG1615884
Xylenes, Total	U		0.00113	0.00834	1	02/04/2021 02:13	WG1615884
(S) Toluene-d8	104			75.0-131		02/04/2021 02:13	WG1615884
(S) 4-Bromofluorobenzene	98.2			67.0-138		02/04/2021 02:13	WG1615884
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		02/04/2021 02:13	WG1615884

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	02/04/2021 13:12	WG1616394

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.15	3.38	25	02/05/2021 18:53	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.4			77.0-120		02/05/2021 18:53	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0493	0.0676	1	02/04/2021 02:32	WG1615884
Acrylonitrile	U		0.00488	0.0169	1	02/04/2021 02:32	WG1615884
Benzene	U		0.000631	0.00135	1	02/04/2021 02:32	WG1615884
Bromobenzene	U		0.00122	0.0169	1	02/04/2021 02:32	WG1615884
Bromodichloromethane	U		0.000980	0.00338	1	02/04/2021 02:32	WG1615884
Bromochloromethane	U		0.000762	0.00676	1	02/04/2021 02:32	WG1615884
Bromoform	U		0.00158	0.0338	1	02/04/2021 02:32	WG1615884
Bromomethane	U	J4	0.00266	0.0169	1	02/04/2021 02:32	WG1615884
n-Butylbenzene	U		0.00710	0.0169	1	02/04/2021 02:32	WG1615884
sec-Butylbenzene	U		0.00389	0.0169	1	02/04/2021 02:32	WG1615884
tert-Butylbenzene	U		0.00264	0.00676	1	02/04/2021 02:32	WG1615884
Carbon disulfide	U		0.000946	0.0169	1	02/04/2021 02:32	WG1615884
Carbon tetrachloride	U		0.00121	0.00676	1	02/04/2021 02:32	WG1615884
Chlorobenzene	U		0.000284	0.00338	1	02/04/2021 02:32	WG1615884
Chlorodibromomethane	U		0.000827	0.00338	1	02/04/2021 02:32	WG1615884
Chloroethane	U		0.00230	0.00676	1	02/04/2021 02:32	WG1615884
Chloroform	U		0.00139	0.00338	1	02/04/2021 02:32	WG1615884
Chloromethane	U		0.00588	0.0169	1	02/04/2021 02:32	WG1615884
2-Chlorotoluene	U	UJ C3	0.00117	0.00338	1	02/04/2021 02:32	WG1615884
4-Chlorotoluene	U		0.000608	0.00676	1	02/04/2021 02:32	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00527	0.0338	1	02/04/2021 02:32	WG1615884
1,2-Dibromoethane	U		0.000876	0.00338	1	02/04/2021 02:32	WG1615884
Dibromomethane	U		0.00101	0.00676	1	02/04/2021 02:32	WG1615884
1,2-Dichlorobenzene	U		0.000574	0.00676	1	02/04/2021 02:32	WG1615884
1,3-Dichlorobenzene	U		0.000811	0.00676	1	02/04/2021 02:32	WG1615884
1,4-Dichlorobenzene	U		0.000946	0.00676	1	02/04/2021 02:32	WG1615884
Dichlorodifluoromethane	U		0.00218	0.00338	1	02/04/2021 02:32	WG1615884
1,1-Dichloroethane	U		0.000664	0.00338	1	02/04/2021 02:32	WG1615884
1,2-Dichloroethane	U		0.000877	0.00338	1	02/04/2021 02:32	WG1615884
1,1-Dichloroethene	U		0.000819	0.00338	1	02/04/2021 02:32	WG1615884
cis-1,2-Dichloroethene	U		0.000992	0.00338	1	02/04/2021 02:32	WG1615884
trans-1,2-Dichloroethene	U		0.00141	0.00676	1	02/04/2021 02:32	WG1615884
1,2-Dichloropropane	U		0.00192	0.00676	1	02/04/2021 02:32	WG1615884
1,1-Dichloropropene	U		0.00109	0.00338	1	02/04/2021 02:32	WG1615884
1,3-Dichloropropane	U		0.000677	0.00676	1	02/04/2021 02:32	WG1615884
cis-1,3-Dichloropropene	U		0.00102	0.00338	1	02/04/2021 02:32	WG1615884
trans-1,3-Dichloropropene	U		0.00154	0.00676	1	02/04/2021 02:32	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00251	0.00676	1	02/04/2021 02:32	WG1615884
2,2-Dichloropropane	U		0.00187	0.00338	1	02/04/2021 02:32	WG1615884
Di-isopropyl ether	U		0.000554	0.00135	1	02/04/2021 02:32	WG1615884
Ethylbenzene	U		0.000996	0.00338	1	02/04/2021 02:32	WG1615884
Hexachloro-1,3-butadiene	U		0.00811	0.0338	1	02/04/2021 02:32	WG1615884
2-Hexanone	U	UJ C3	0.00454	0.0338	1	02/04/2021 02:32	WG1615884
n-Hexane	U		0.00305	0.00676	1	02/04/2021 02:32	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 11:45

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00314	0.0169	1	02/04/2021 02:32	WG1615884
Isopropylbenzene	U		0.000574	0.00338	1	02/04/2021 02:32	WG1615884
p-Isopropyltoluene	U		0.00345	0.00676	1	02/04/2021 02:32	WG1615884
2-Butanone (MEK)	0.0891	U ~~BJ~~	0.0858	0.135	1	02/04/2021 02:32	WG1615884
Methylene Chloride	U		0.00897	0.0338	1	02/04/2021 02:32	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00308	0.0338	1	02/04/2021 02:32	WG1615884
Methyl tert-butyl ether	U		0.000473	0.00135	1	02/04/2021 02:32	WG1615884
Naphthalene	U		0.00660	0.0169	1	02/04/2021 02:32	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00128	0.00676	1	02/04/2021 02:32	WG1615884
Styrene	U		0.000310	0.0169	1	02/04/2021 02:32	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00128	0.00338	1	02/04/2021 02:32	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000939	0.00338	1	02/04/2021 02:32	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00338	1	02/04/2021 02:32	WG1615884
Tetrachloroethene	0.00141	J	0.00121	0.00338	1	02/04/2021 02:32	WG1615884
Toluene	U		0.00176	0.00676	1	02/04/2021 02:32	WG1615884
1,2,3-Trichlorobenzene	U		0.00991	0.0169	1	02/04/2021 02:32	WG1615884
1,2,4-Trichlorobenzene	U		0.00595	0.0169	1	02/04/2021 02:32	WG1615884
1,1,1-Trichloroethane	U		0.00125	0.00338	1	02/04/2021 02:32	WG1615884
1,1,2-Trichloroethane	U		0.000807	0.00338	1	02/04/2021 02:32	WG1615884
Trichloroethene	U		0.000789	0.00135	1	02/04/2021 02:32	WG1615884
Trichlorofluoromethane	U		0.00112	0.00338	1	02/04/2021 02:32	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00219	0.0169	1	02/04/2021 02:32	WG1615884
1,2,4-Trimethylbenzene	U		0.00214	0.00676	1	02/04/2021 02:32	WG1615884
1,2,3-Trimethylbenzene	U		0.00214	0.00676	1	02/04/2021 02:32	WG1615884
1,3,5-Trimethylbenzene	U		0.00270	0.00676	1	02/04/2021 02:32	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00343	0.0169	1	02/04/2021 02:32	WG1615884
Vinyl chloride	U		0.00157	0.00338	1	02/04/2021 02:32	WG1615884
Xylenes, Total	U		0.00119	0.00879	1	02/04/2021 02:32	WG1615884
(S) Toluene-d8	105			75.0-131		02/04/2021 02:32	WG1615884
(S) 4-Bromofluorobenzene	95.6			67.0-138		02/04/2021 02:32	WG1615884
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		02/04/2021 02:32	WG1615884

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

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	02/05/2021 10:30	WG1616395

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.06	3.13	25	02/05/2021 19:14	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120		02/05/2021 19:14	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0457	0.0626	1	02/04/2021 02:51	WG1615884
Acrylonitrile	U		0.00452	0.0156	1	02/04/2021 02:51	WG1615884
Benzene	U		0.000584	0.00125	1	02/04/2021 02:51	WG1615884
Bromobenzene	U		0.00113	0.0156	1	02/04/2021 02:51	WG1615884
Bromodichloromethane	U		0.000907	0.00313	1	02/04/2021 02:51	WG1615884
Bromochloromethane	U		0.000706	0.00626	1	02/04/2021 02:51	WG1615884
Bromoform	U		0.00146	0.0313	1	02/04/2021 02:51	WG1615884
Bromomethane	U	J4	0.00247	0.0156	1	02/04/2021 02:51	WG1615884
n-Butylbenzene	U		0.00657	0.0156	1	02/04/2021 02:51	WG1615884
sec-Butylbenzene	U		0.00360	0.0156	1	02/04/2021 02:51	WG1615884
tert-Butylbenzene	U		0.00244	0.00626	1	02/04/2021 02:51	WG1615884
Carbon disulfide	U		0.000876	0.0156	1	02/04/2021 02:51	WG1615884
Carbon tetrachloride	U		0.00112	0.00626	1	02/04/2021 02:51	WG1615884
Chlorobenzene	U		0.000263	0.00313	1	02/04/2021 02:51	WG1615884
Chlorodibromomethane	U		0.000766	0.00313	1	02/04/2021 02:51	WG1615884
Chloroethane	U		0.00213	0.00626	1	02/04/2021 02:51	WG1615884
Chloroform	U		0.00129	0.00313	1	02/04/2021 02:51	WG1615884
Chloromethane	U		0.00544	0.0156	1	02/04/2021 02:51	WG1615884
2-Chlorotoluene	U	UJ C3	0.00108	0.00313	1	02/04/2021 02:51	WG1615884
4-Chlorotoluene	U		0.000563	0.00626	1	02/04/2021 02:51	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00488	0.0313	1	02/04/2021 02:51	WG1615884
1,2-Dibromoethane	U		0.000811	0.00313	1	02/04/2021 02:51	WG1615884
Dibromomethane	U		0.000939	0.00626	1	02/04/2021 02:51	WG1615884
1,2-Dichlorobenzene	U		0.000532	0.00626	1	02/04/2021 02:51	WG1615884
1,3-Dichlorobenzene	U		0.000751	0.00626	1	02/04/2021 02:51	WG1615884
1,4-Dichlorobenzene	U		0.000876	0.00626	1	02/04/2021 02:51	WG1615884
Dichlorodifluoromethane	U		0.00202	0.00313	1	02/04/2021 02:51	WG1615884
1,1-Dichloroethane	U		0.000615	0.00313	1	02/04/2021 02:51	WG1615884
1,2-Dichloroethane	U		0.000812	0.00313	1	02/04/2021 02:51	WG1615884
1,1-Dichloroethene	U		0.000758	0.00313	1	02/04/2021 02:51	WG1615884
cis-1,2-Dichloroethene	U		0.000919	0.00313	1	02/04/2021 02:51	WG1615884
trans-1,2-Dichloroethene	U		0.00130	0.00626	1	02/04/2021 02:51	WG1615884
1,2-Dichloropropane	U		0.00178	0.00626	1	02/04/2021 02:51	WG1615884
1,1-Dichloropropene	U		0.00101	0.00313	1	02/04/2021 02:51	WG1615884
1,3-Dichloropropane	U		0.000627	0.00626	1	02/04/2021 02:51	WG1615884
cis-1,3-Dichloropropene	U		0.000947	0.00313	1	02/04/2021 02:51	WG1615884
trans-1,3-Dichloropropene	U		0.00143	0.00626	1	02/04/2021 02:51	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00233	0.00626	1	02/04/2021 02:51	WG1615884
2,2-Dichloropropane	U		0.00173	0.00313	1	02/04/2021 02:51	WG1615884
Di-isopropyl ether	U		0.000513	0.00125	1	02/04/2021 02:51	WG1615884
Ethylbenzene	U		0.000922	0.00313	1	02/04/2021 02:51	WG1615884
Hexachloro-1,3-butadiene	U		0.00751	0.0313	1	02/04/2021 02:51	WG1615884
2-Hexanone	U	UJ C3	0.00421	0.0313	1	02/04/2021 02:51	WG1615884
n-Hexane	U		0.00283	0.00626	1	02/04/2021 02:51	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 12:10

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00290	0.0156	1	02/04/2021 02:51	WG1615884
Isopropylbenzene	U		0.000532	0.00313	1	02/04/2021 02:51	WG1615884
p-Isopropyltoluene	U		0.00319	0.00626	1	02/04/2021 02:51	WG1615884
2-Butanone (MEK)	0.0800	U ~~BJ~~	0.0795	0.125	1	02/04/2021 02:51	WG1615884
Methylene Chloride	U		0.00831	0.0313	1	02/04/2021 02:51	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00285	0.0313	1	02/04/2021 02:51	WG1615884
Methyl tert-butyl ether	U		0.000438	0.00125	1	02/04/2021 02:51	WG1615884
Naphthalene	U		0.00611	0.0156	1	02/04/2021 02:51	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00119	0.00626	1	02/04/2021 02:51	WG1615884
Styrene	U		0.000287	0.0156	1	02/04/2021 02:51	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00119	0.00313	1	02/04/2021 02:51	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000870	0.00313	1	02/04/2021 02:51	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.000944	0.00313	1	02/04/2021 02:51	WG1615884
Tetrachloroethene	U		0.00112	0.00313	1	02/04/2021 02:51	WG1615884
Toluene	U		0.00163	0.00626	1	02/04/2021 02:51	WG1615884
1,2,3-Trichlorobenzene	U		0.00917	0.0156	1	02/04/2021 02:51	WG1615884
1,2,4-Trichlorobenzene	U		0.00551	0.0156	1	02/04/2021 02:51	WG1615884
1,1,1-Trichloroethane	U		0.00116	0.00313	1	02/04/2021 02:51	WG1615884
1,1,2-Trichloroethane	U		0.000747	0.00313	1	02/04/2021 02:51	WG1615884
Trichloroethene	U		0.000731	0.00125	1	02/04/2021 02:51	WG1615884
Trichlorofluoromethane	U		0.00104	0.00313	1	02/04/2021 02:51	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00203	0.0156	1	02/04/2021 02:51	WG1615884
1,2,4-Trimethylbenzene	U		0.00198	0.00626	1	02/04/2021 02:51	WG1615884
1,2,3-Trimethylbenzene	U		0.00198	0.00626	1	02/04/2021 02:51	WG1615884
1,3,5-Trimethylbenzene	U		0.00250	0.00626	1	02/04/2021 02:51	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00318	0.0156	1	02/04/2021 02:51	WG1615884
Vinyl chloride	U		0.00145	0.00313	1	02/04/2021 02:51	WG1615884
Xylenes, Total	U		0.00110	0.00814	1	02/04/2021 02:51	WG1615884
(S) Toluene-d8	107			75.0-131		02/04/2021 02:51	WG1615884
(S) 4-Bromofluorobenzene	99.6			67.0-138		02/04/2021 02:51	WG1615884
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		02/04/2021 02:51	WG1615884

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

JC 2/10/2021



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	02/05/2021 10:30	WG1616395

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.21	3.57	25	02/05/2021 19:34	WG1616906
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120		02/05/2021 19:34	WG1616906

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0521	0.0713	1	02/04/2021 03:10	WG1615884
Acrylonitrile	U		0.00515	0.0178	1	02/04/2021 03:10	WG1615884
Benzene	U		0.000666	0.00143	1	02/04/2021 03:10	WG1615884
Bromobenzene	U		0.00128	0.0178	1	02/04/2021 03:10	WG1615884
Bromodichloromethane	U		0.00103	0.00357	1	02/04/2021 03:10	WG1615884
Bromochloromethane	U		0.000805	0.00713	1	02/04/2021 03:10	WG1615884
Bromoform	U		0.00167	0.0357	1	02/04/2021 03:10	WG1615884
Bromomethane	U	J4	0.00281	0.0178	1	02/04/2021 03:10	WG1615884
n-Butylbenzene	U		0.00749	0.0178	1	02/04/2021 03:10	WG1615884
sec-Butylbenzene	U		0.00411	0.0178	1	02/04/2021 03:10	WG1615884
tert-Butylbenzene	U		0.00278	0.00713	1	02/04/2021 03:10	WG1615884
Carbon disulfide	U		0.000999	0.0178	1	02/04/2021 03:10	WG1615884
Carbon tetrachloride	U		0.00128	0.00713	1	02/04/2021 03:10	WG1615884
Chlorobenzene	U		0.000300	0.00357	1	02/04/2021 03:10	WG1615884
Chlorodibromomethane	U		0.000873	0.00357	1	02/04/2021 03:10	WG1615884
Chloroethane	U		0.00243	0.00713	1	02/04/2021 03:10	WG1615884
Chloroform	U		0.00147	0.00357	1	02/04/2021 03:10	WG1615884
Chloromethane	U		0.00621	0.0178	1	02/04/2021 03:10	WG1615884
2-Chlorotoluene	U	UJ C3	0.00123	0.00357	1	02/04/2021 03:10	WG1615884
4-Chlorotoluene	U		0.000642	0.00713	1	02/04/2021 03:10	WG1615884
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.00556	0.0357	1	02/04/2021 03:10	WG1615884
1,2-Dibromoethane	U		0.000925	0.00357	1	02/04/2021 03:10	WG1615884
Dibromomethane	U		0.00107	0.00713	1	02/04/2021 03:10	WG1615884
1,2-Dichlorobenzene	U		0.000606	0.00713	1	02/04/2021 03:10	WG1615884
1,3-Dichlorobenzene	U		0.000856	0.00713	1	02/04/2021 03:10	WG1615884
1,4-Dichlorobenzene	U		0.000999	0.00713	1	02/04/2021 03:10	WG1615884
Dichlorodifluoromethane	U		0.00230	0.00357	1	02/04/2021 03:10	WG1615884
1,1-Dichloroethane	U		0.000701	0.00357	1	02/04/2021 03:10	WG1615884
1,2-Dichloroethane	U		0.000926	0.00357	1	02/04/2021 03:10	WG1615884
1,1-Dichloroethene	U		0.000865	0.00357	1	02/04/2021 03:10	WG1615884
cis-1,2-Dichloroethene	U		0.00105	0.00357	1	02/04/2021 03:10	WG1615884
trans-1,2-Dichloroethene	U		0.00148	0.00713	1	02/04/2021 03:10	WG1615884
1,2-Dichloropropane	U		0.00203	0.00713	1	02/04/2021 03:10	WG1615884
1,1-Dichloropropene	U		0.00115	0.00357	1	02/04/2021 03:10	WG1615884
1,3-Dichloropropane	U		0.000715	0.00713	1	02/04/2021 03:10	WG1615884
cis-1,3-Dichloropropene	U		0.00108	0.00357	1	02/04/2021 03:10	WG1615884
trans-1,3-Dichloropropene	U		0.00163	0.00713	1	02/04/2021 03:10	WG1615884
trans-1,4-Dichloro-2-butene	U	UJ C3	0.00265	0.00713	1	02/04/2021 03:10	WG1615884
2,2-Dichloropropane	U		0.00197	0.00357	1	02/04/2021 03:10	WG1615884
Di-isopropyl ether	U		0.000585	0.00143	1	02/04/2021 03:10	WG1615884
Ethylbenzene	U		0.00105	0.00357	1	02/04/2021 03:10	WG1615884
Hexachloro-1,3-butadiene	U		0.00856	0.0357	1	02/04/2021 03:10	WG1615884
2-Hexanone	U	UJ C3	0.00479	0.0357	1	02/04/2021 03:10	WG1615884
n-Hexane	U		0.00322	0.00713	1	02/04/2021 03:10	WG1615884

JC 2/10/2021



Collected date/time: 02/01/21 12:15

L1312512

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00331	0.0178	1	02/04/2021 03:10	WG1615884
Isopropylbenzene	U		0.000606	0.00357	1	02/04/2021 03:10	WG1615884
p-Isopropyltoluene	U		0.00364	0.00713	1	02/04/2021 03:10	WG1615884
2-Butanone (MEK)	0.0963	U ~~BJ~~	0.0906	0.143	1	02/04/2021 03:10	WG1615884
Methylene Chloride	U		0.00947	0.0357	1	02/04/2021 03:10	WG1615884
4-Methyl-2-pentanone (MIBK)	U	UJ <u>C3</u>	0.00325	0.0357	1	02/04/2021 03:10	WG1615884
Methyl tert-butyl ether	U		0.000499	0.00143	1	02/04/2021 03:10	WG1615884
Naphthalene	U		0.00696	0.0178	1	02/04/2021 03:10	WG1615884
n-Propylbenzene	U	UJ <u>C3</u>	0.00136	0.00713	1	02/04/2021 03:10	WG1615884
Styrene	U		0.000327	0.0178	1	02/04/2021 03:10	WG1615884
1,1,1,2-Tetrachloroethane	U		0.00135	0.00357	1	02/04/2021 03:10	WG1615884
1,1,2,2-Tetrachloroethane	U	UJ <u>C3</u>	0.000992	0.00357	1	02/04/2021 03:10	WG1615884
1,1,2-Trichlorotrifluoroethane	U		0.00108	0.00357	1	02/04/2021 03:10	WG1615884
Tetrachloroethene	U		0.00128	0.00357	1	02/04/2021 03:10	WG1615884
Toluene	U		0.00185	0.00713	1	02/04/2021 03:10	WG1615884
1,2,3-Trichlorobenzene	U		0.0105	0.0178	1	02/04/2021 03:10	WG1615884
1,2,4-Trichlorobenzene	U		0.00628	0.0178	1	02/04/2021 03:10	WG1615884
1,1,1-Trichloroethane	U		0.00132	0.00357	1	02/04/2021 03:10	WG1615884
1,1,2-Trichloroethane	U		0.000852	0.00357	1	02/04/2021 03:10	WG1615884
Trichloroethene	U		0.000833	0.00143	1	02/04/2021 03:10	WG1615884
Trichlorofluoromethane	U		0.00118	0.00357	1	02/04/2021 03:10	WG1615884
1,2,3-Trichloropropane	U	UJ <u>C3</u>	0.00231	0.0178	1	02/04/2021 03:10	WG1615884
1,2,4-Trimethylbenzene	U		0.00225	0.00713	1	02/04/2021 03:10	WG1615884
1,2,3-Trimethylbenzene	U		0.00225	0.00713	1	02/04/2021 03:10	WG1615884
1,3,5-Trimethylbenzene	U		0.00285	0.00713	1	02/04/2021 03:10	WG1615884
Vinyl acetate	U	UJ <u>C3</u>	0.00362	0.0178	1	02/04/2021 03:10	WG1615884
Vinyl chloride	U		0.00165	0.00357	1	02/04/2021 03:10	WG1615884
Xylenes, Total	U		0.00126	0.00927	1	02/04/2021 03:10	WG1615884
(S) Toluene-d8	107			75.0-131		02/04/2021 03:10	WG1615884
(S) 4-Bromofluorobenzene	98.1			67.0-138		02/04/2021 03:10	WG1615884
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/04/2021 03:10	WG1615884

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

JC 2/10/2021

MEMORANDUM

TO: Project File **DATE:** July 8, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.601 and 1413.001.02.501G

TASK: EIM Data Validation Level EPA2A for 2nd Quarter Monitoring 2021 – Groundwater Samples – Group 1

LAB: Pace Sample Delivery Groups (SDGs): L1348232, L1348405, L1349418, and L1349957

Thirty-nine (39) groundwater samples including two field duplicates, one equipment blank, and two trip blanks were collected as part of the 2nd Quarterly Monitoring Round for 2021 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May-June 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;
- 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 L1348232, L1348405 L1349418, and L1349957. 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA Contract Laboratory Program 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 (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) with the following exceptions:

- SDG L1348232 - Analytical batch WG1667276: A low level of 2-butanone (MEK) is detected above the RDL. No action is needed since MEK is not detected in the associated sample.
- SDG L1348232 – Analytical batch WG1667662: Low levels of ethylbenzene and 1,2,4-trimethylbenzene are detected below the RDL and are laboratory qualified (B J). **Ethylbenzene and 1,2,4-trimethylbenzene detections in sample FMW-141-050321 are below the RDL and are qualified as not detected (U). Ethylbenzene detection in sample MW-311-050321 is below the RDL and is qualified as not detected (U).**
- SDG L1348405 – Analytical batch WG1667662: Low levels of ethylbenzene and 1,2,4-trimethylbenzene are detected below the RDL. **Associated 1,2,4-trimethylbenzene detection in sample MW111-050321 is below the RDL and qualified as not detected (U).** No action is taken for the low-level detection of ethylbenzene in sample MW111-050321 since the detection exceeds the RDL.
- SDG L1348405 - Analytical batch WG1671541: A low level of MEK was detected above the RDL. No action is needed since MEK is not detected in the associated samples.
- SDG L1349418 - Analytical batch WG1671541: A low level of MEK was detected above the RDL. No action is needed since MEK 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 (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
L1348232	WG1667220	9060A	TOC	414	J	1000	µg/L	NO
L1348405	WG1667220	9060A	TOC	414	J	1000	µg/L	NO
L1349418	WG1669057	9060A	TOC	262	J	1000	µg/L	NO
L1349418	WG1671810	6020B	Manganese	0.728	J	5	µg/L	NO
L1349957	WG1670772	9060A	TOC	374	J	1000	µg/L	NO
L1349957	WG1674104	6020B	Manganese	2.17	J	5	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-050421 and TB-050621) 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 L1349957: Low levels of cis-1,2-dichloroethene and toluene are detected, respectively, above and below the RDL in the trip blank (TB-050621). Actions are as follows:
 - **Associated cis-1,2-dichloroethene detection is above the RDL in sample MW-173-050521 but below the associated trip blank detection and is qualified as not-detected (U).**
 - **Associated toluene detections below the RDL in samples MW-173-050521 and MW-165-050621 are qualified as not-detected (U).**

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-MANIFOLD-050621 associated with SDG L1349957) was collected. Details are as follows:

- Equipment blank (EQ-MANIFOLD-050621) is associated with all samples collected from flowing wells collected via valved assembly attachment(s) on May 5, 2021. Specifically, the equipment blank is associated with samples MW-173-050521, MW-174-050521, MW-166-050521, and MW-165-050621. Low levels of TOC, manganese, and methane are detected in the equipment blank. No action is taken for these TOC, manganese, and methane detections since these are either not detected in the associated

samples or sample detections are far greater than detection in the equipment blank. Low levels of acetone, and cis-1,2-dichloroethene are detected in the equipment blank. No action is needed for cis-1,2-dichloroethene as all sample detections are above the RDL. Actions for acetone are as follows:

- **Associated acetone results for samples MW-173-050521, and MW-165-050621 are detected above the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.**

Field Duplicate Analyses

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

- SDG L1348232: Sample MW126-050421 and field duplicate sample MW-947-050421. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL) for the field duplicate pair.
- SDG L1349957: Sample MW-182-050621 and field duplicate sample MW-948-050621. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL) for the field duplicate pair with the following discussion and exceptions:
 - Multiple compound RPD results exceed acceptance criteria, in part, because sample MW-182-050621 is diluted 2000X and field duplicate sample MW-948-050621 is undiluted for most targets except for 500X dilutions on three targets. **Multiple compounds (acetone, benzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, methyl ethyl ketone, naphthalene, n-propylbenzene, toluene, 1,3,5-trimethylbenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, and total xylenes) for sample MW-182-050621 and field duplicate sample MW-948-050621 are estimated and qualified (J/UJ) due to elevated RPD results.**

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.

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 with the following exceptions:

- SDG L1349957: Sample MW-948-050621 surrogate 1,2-dichloroethane-d4 recovery is recovered above control limit criteria and laboratory qualified (J1). In this case no action was taken since the target compound (cis-1,2-dichloroethene) was re-analyzed at a dilution of 5000X due to an elevated concentration and the surrogate is subsequently diluted out.

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 L1348232 - Analytical batch WG1667276: LCS/LCSD RPD recovery for acetone is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDGs L1348405 and L1349418 - Analytical batch WG1671541: LCS/LCSD RPD recovery for tetrahydrofuran is greater than laboratory acceptance criteria and is laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDGs L1348405 and L1349418 - Analytical batch WG1672154: LCS/LCSD RPD recoveries for acetone and acrylonitrile are greater than laboratory acceptance criteria and laboratory qualified (J3). LCSD % recoveries for both compounds are recovered high and laboratory qualified (J4). No action is taken since acetone and acrylonitrile 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 (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 spike analyses were performed in one instance on a non-client sample associated with SDG L1349957. RPDs exceed acceptance criteria and are laboratory qualified (J3) in two cases. No action is taken on this basis since the spike was performed on a non-client sample within the analytical batch. Refer to LCS/LCSD and field duplicate results for precision data.

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

MS/MSD spike analyses were performed in one instance on a non-client sample associated with SDG L1349957. Recoveries are elevated and laboratory qualified (J5). No action is taken on this basis since the spike was performed on a non-client sample within the analytical batch. Refer to LCS/LCSD or laboratory duplicate data 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 discussions:

- SDGs L1348232 and L1348405: Matrix spike analysis was performed on client sample MW109-050321 (SDG L1348232) and manganese spike results are laboratory qualified (V) to indicate that the sample concentration is greater than 4X the spike amount. Per Guidance no action is taken.
- SDG L1349418: Matrix spike analysis was performed on a non-client sample. MS/MSD spike recoveries for manganese are low however no action is taken since the spiked sample is a non-client sample. Refer to LCS result for accuracy data.
- SDGs L1349957: Matrix spike analysis was performed on client sample MW-165-050621 iron and manganese spike results are laboratory qualified (V) to indicate that the sample concentration is greater than 4X the spike amount. Per Guidance no action is taken.

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/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 discussion:

- SDGs L1349418 and L1349957: Matrix spikes were performed on client and on non-client samples. 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. The following laboratory notes are included:

- SDG L1348405 – Analytical Batch WG1671541: VOC results for samples MW-147-050321 and MW-146-050321 were diluted 100X and 50X, respectively, due to the presence of non-target compounds too high to run at a lower dilution. 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:

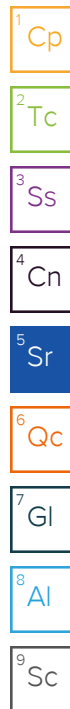
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

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.

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	~~JS~~	0.548	1.00	1	05/09/2021 21:55	WG1667276
Acrylonitrile	U		0.0760	0.500	1	05/09/2021 21:55	WG1667276
Benzene	0.0260	J	0.0160	0.0400	1	05/09/2021 21:55	WG1667276
Bromobenzene	U		0.0420	0.500	1	05/09/2021 21:55	WG1667276
Bromodichloromethane	U		0.0315	0.100	1	05/09/2021 21:55	WG1667276
Bromoform	U		0.239	1.00	1	05/09/2021 21:55	WG1667276
Bromomethane	U		0.148	0.500	1	05/09/2021 21:55	WG1667276
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/09/2021 21:55	WG1667276
sec-Butylbenzene	U		0.101	0.500	1	05/09/2021 21:55	WG1667276
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2021 21:55	WG1667276
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2021 21:55	WG1667276
Chlorobenzene	U		0.0229	0.100	1	05/09/2021 21:55	WG1667276
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2021 21:55	WG1667276
Chloroethane	U		0.0432	0.200	1	05/09/2021 21:55	WG1667276
Chloroform	U		0.0166	0.100	1	05/09/2021 21:55	WG1667276
Chloromethane	U		0.0556	0.500	1	05/09/2021 21:55	WG1667276
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2021 21:55	WG1667276
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2021 21:55	WG1667276
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2021 21:55	WG1667276
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2021 21:55	WG1667276
Dibromomethane	U		0.0400	0.200	1	05/09/2021 21:55	WG1667276
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2021 21:55	WG1667276
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2021 21:55	WG1667276
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2021 21:55	WG1667276
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2021 21:55	WG1667276
1,1-Dichloroethane	0.0290	J	0.0230	0.100	1	05/09/2021 21:55	WG1667276
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2021 21:55	WG1667276
1,1-Dichloroethene	U	UJ C3	0.0200	0.100	1	05/09/2021 21:55	WG1667276
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2021 21:55	WG1667276
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2021 21:55	WG1667276
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2021 21:55	WG1667276
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2021 21:55	WG1667276
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2021 21:55	WG1667276
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2021 21:55	WG1667276
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2021 21:55	WG1667276
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2021 21:55	WG1667276
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2021 21:55	WG1667276
Ethylbenzene	0.182		0.0212	0.100	1	05/09/2021 21:55	WG1667276
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2021 21:55	WG1667276
Isopropylbenzene	U		0.0345	0.100	1	05/09/2021 21:55	WG1667276
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2021 21:55	WG1667276
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2021 21:55	WG1667276
Methylene Chloride	U		0.265	1.00	1	05/09/2021 21:55	WG1667276
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/09/2021 21:55	WG1667276
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2021 21:55	WG1667276
Naphthalene	U		0.124	0.500	1	05/09/2021 21:55	WG1667276
n-Propylbenzene	U		0.0472	0.200	1	05/09/2021 21:55	WG1667276
Styrene	U		0.109	0.500	1	05/09/2021 21:55	WG1667276
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2021 21:55	WG1667276
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2021 21:55	WG1667276
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2021 21:55	WG1667276
Tetrachloroethene	U		0.0280	0.100	1	05/09/2021 21:55	WG1667276
Toluene	0.748		0.0500	0.200	1	05/09/2021 21:55	WG1667276
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2021 21:55	WG1667276
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2021 21:55	WG1667276
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2021 21:55	WG1667276

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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	05/09/2021 21:55	WG1667276
Trichloroethene	U		0.0160	0.0400	1	05/09/2021 21:55	WG1667276
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2021 21:55	WG1667276
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2021 21:55	WG1667276
1,2,4-Trimethylbenzene	0.203		0.0464	0.200	1	05/09/2021 21:55	WG1667276
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2021 21:55	WG1667276
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2021 21:55	WG1667276
Vinyl chloride	U		0.0273	0.100	1	05/09/2021 21:55	WG1667276
Xylenes, Total	1.07		0.191	0.260	1	05/09/2021 21:55	WG1667276
Ethyl Ether	0.0550	<u>J</u>	0.0170	0.100	1	05/09/2021 21:55	WG1667276
Tetrahydrofuran	1.33		0.0900	0.500	1	05/09/2021 21:55	WG1667276
Iodomethane	U		0.242	0.500	1	05/09/2021 21:55	WG1667276
Allyl chloride	U		0.580	1.00	1	05/09/2021 21:55	WG1667276
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	05/09/2021 21:55	WG1667276
(S) Toluene-d8	104			75.0-131		05/09/2021 21:55	WG1667276
(S) 4-Bromofluorobenzene	98.6			67.0-138		05/09/2021 21:55	WG1667276
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/09/2021 21:55	WG1667276

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 date / time	Batch
Sulfate	1700	J	594	5000	1	05/12/2021 03:46	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5440		102	1000	1	05/09/2021 20:52	WG1667220

Metals (ICPMS) by Method 6020B

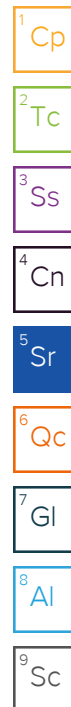
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9480		28.1	100	1	05/17/2021 11:30	WG1671737
Manganese	2900	V	0.704	5.00	1	05/17/2021 11:30	WG1671737

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3100		0.287	0.678	1	05/06/2021 15:17	WG1665362
Ethane	13.8		0.296	1.29	1	05/06/2021 15:17	WG1665362
Ethene	U		0.422	1.27	1	05/06/2021 15:17	WG1665362

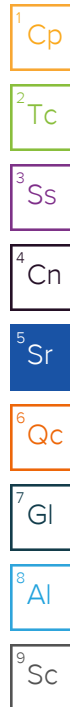
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 13:58	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 13:58	WG1667662
Benzene	0.0430		0.0160	0.0400	1	05/10/2021 13:58	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 13:58	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 13:58	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 13:58	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 13:58	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 13:58	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 13:58	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 13:58	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 13:58	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 13:58	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 13:58	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 13:58	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 13:58	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 13:58	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 13:58	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 13:58	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 13:58	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 13:58	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 13:58	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 13:58	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 13:58	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 13:58	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 13:58	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 13:58	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 13:58	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 13:58	WG1667662
cis-1,2-Dichloroethene	6.16		0.0276	0.100	1	05/10/2021 13:58	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 13:58	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 13:58	WG1667662



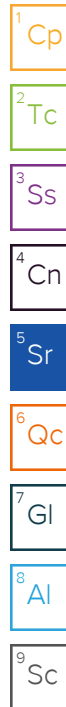
Volatile Organic Compounds (GC/MS) by Method 8260D

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	05/10/2021 13:58	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 13:58	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 13:58	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 13:58	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 13:58	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 13:58	WG1667662
Ethylbenzene	0.154	~~B~~	0.0212	0.100	1	05/10/2021 13:58	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 13:58	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 13:58	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 13:58	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 13:58	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 13:58	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 13:58	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 13:58	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 13:58	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 13:58	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 13:58	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 13:58	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 13:58	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 13:58	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 13:58	WG1667662
Toluene	0.751		0.0500	0.200	1	05/10/2021 13:58	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 13:58	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 13:58	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 13:58	WG1667662
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/10/2021 13:58	WG1667662
Trichloroethene	0.0550		0.0160	0.0400	1	05/10/2021 13:58	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 13:58	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 13:58	WG1667662
1,2,4-Trimethylbenzene	0.228	~~B~~	0.0464	0.200	1	05/10/2021 13:58	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 13:58	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 13:58	WG1667662
Vinyl chloride	3.49		0.0273	0.100	1	05/10/2021 13:58	WG1667662
Xylenes, Total	0.987		0.191	0.260	1	05/10/2021 13:58	WG1667662
Ethyl Ether	0.138		0.0170	0.100	1	05/10/2021 13:58	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 13:58	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 13:58	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 13:58	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 13:58	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 13:58	WG1667662
(S) 4-Bromofluorobenzene	99.5			67.0-138		05/10/2021 13:58	WG1667662
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/10/2021 13:58	WG1667662



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	0.548	1.00	1	05/10/2021 18:44	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 18:44	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 18:44	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 18:44	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 18:44	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 18:44	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 18:44	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 18:44	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 18:44	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 18:44	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 18:44	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 18:44	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 18:44	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 18:44	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 18:44	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 18:44	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 18:44	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 18:44	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 18:44	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 18:44	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 18:44	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 18:44	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 18:44	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 18:44	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 18:44	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 18:44	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 18:44	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 18:44	WG1667662
cis-1,2-Dichloroethene	5.41		0.0276	0.100	1	05/10/2021 18:44	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 18:44	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 18:44	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 18:44	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 18:44	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 18:44	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 18:44	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 18:44	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 18:44	WG1667662
Ethylbenzene	0.0800	U BJ	0.0212	0.100	1	05/10/2021 18:44	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 18:44	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 18:44	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 18:44	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 18:44	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 18:44	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 18:44	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 18:44	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 18:44	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 18:44	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 18:44	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 18:44	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 18:44	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 18:44	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 18:44	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 18:44	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 18:44	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 18:44	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 18:44	WG1667662



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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	05/10/2021 18:44	WG1667662
Trichloroethene	0.560		0.0160	0.0400	1	05/10/2021 18:44	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 18:44	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 18:44	WG1667662
1,2,4-Trimethylbenzene	0.133	U	0.0464	0.200	1	05/10/2021 18:44	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 18:44	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 18:44	WG1667662
Vinyl chloride	0.218		0.0273	0.100	1	05/10/2021 18:44	WG1667662
Xylenes, Total	0.508		0.191	0.260	1	05/10/2021 18:44	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 18:44	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 18:44	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 18:44	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 18:44	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 18:44	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 18:44	WG1667662
(S) 4-Bromofluorobenzene	98.2			67.0-138		05/10/2021 18:44	WG1667662
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/10/2021 18:44	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

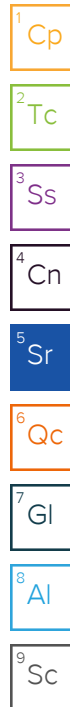
8 Al

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	UJ C3	0.548	1.00	1	05/10/2021 14:17	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 14:17	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 14:17	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 14:17	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 14:17	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 14:17	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 14:17	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 14:17	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 14:17	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 14:17	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 14:17	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 14:17	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 14:17	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 14:17	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 14:17	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 14:17	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 14:17	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 14:17	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 14:17	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 14:17	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 14:17	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 14:17	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 14:17	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 14:17	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 14:17	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 14:17	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 14:17	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 14:17	WG1667662
cis-1,2-Dichloroethene	0.981		0.0276	0.100	1	05/10/2021 14:17	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 14:17	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 14:17	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 14:17	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 14:17	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 14:17	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 14:17	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 14:17	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 14:17	WG1667662
Ethylbenzene	0.0510	U BJ	0.0212	0.100	1	05/10/2021 14:17	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 14:17	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 14:17	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 14:17	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 14:17	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 14:17	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 14:17	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 14:17	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 14:17	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 14:17	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 14:17	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 14:17	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 14:17	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 14:17	WG1667662
Tetrachloroethene	0.0660	J	0.0280	0.100	1	05/10/2021 14:17	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 14:17	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 14:17	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 14:17	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 14:17	WG1667662

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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	05/10/2021 14:17	WG1667662
Trichloroethene	0.361		0.0160	0.0400	1	05/10/2021 14:17	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 14:17	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 14:17	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 14:17	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 14:17	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 14:17	WG1667662
Vinyl chloride	4.68		0.0273	0.100	1	05/10/2021 14:17	WG1667662
Xylenes, Total	0.249	J	0.191	0.260	1	05/10/2021 14:17	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 14:17	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 14:17	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 14:17	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 14:17	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 14:17	WG1667662
(S) Toluene-d8	104			75.0-131		05/10/2021 14:17	WG1667662
(S) 4-Bromofluorobenzene	99.7			67.0-138		05/10/2021 14:17	WG1667662
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/10/2021 14:17	WG1667662

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 date / time	Batch
Sulfate	39600		594	5000	1	05/12/2021 05:25	WG1667047

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 date / time	Batch
TOC (Total Organic Carbon)	6080		102	1000	1	05/09/2021 21:41	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	13900		28.1	100	1	05/17/2021 13:16	WG1671737
Manganese	1750		0.704	5.00	1	05/17/2021 13:16	WG1671737

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3640		0.287	0.678	1	05/06/2021 15:22	WG1665362
Ethane	77.7		0.296	1.29	1	05/06/2021 15:22	WG1665362
Ethene	17.8		0.422	1.27	1	05/06/2021 15:22	WG1665362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	2.74	5.00	5	05/10/2021 18:25	WG1667662
Acrylonitrile	U	UJ C3	0.380	2.50	5	05/10/2021 18:25	WG1667662
Benzene	2.28		0.0800	0.200	5	05/10/2021 18:25	WG1667662
Bromobenzene	U		0.210	2.50	5	05/10/2021 18:25	WG1667662
Bromodichloromethane	U		0.158	0.500	5	05/10/2021 18:25	WG1667662
Bromoform	U		1.20	5.00	5	05/10/2021 18:25	WG1667662
Bromomethane	U		0.740	2.50	5	05/10/2021 18:25	WG1667662
n-Butylbenzene	U		0.765	2.50	5	05/10/2021 18:25	WG1667662
sec-Butylbenzene	U		0.505	2.50	5	05/10/2021 18:25	WG1667662
tert-Butylbenzene	U		0.310	1.00	5	05/10/2021 18:25	WG1667662
Carbon tetrachloride	U		0.216	1.00	5	05/10/2021 18:25	WG1667662
Chlorobenzene	U		0.115	0.500	5	05/10/2021 18:25	WG1667662
Chlorodibromomethane	U		0.0900	0.500	5	05/10/2021 18:25	WG1667662
Chloroethane	U		0.216	1.00	5	05/10/2021 18:25	WG1667662
Chloroform	U		0.0830	0.500	5	05/10/2021 18:25	WG1667662
Chloromethane	U		0.278	2.50	5	05/10/2021 18:25	WG1667662
2-Chlorotoluene	U		0.184	0.500	5	05/10/2021 18:25	WG1667662
4-Chlorotoluene	U		0.226	1.00	5	05/10/2021 18:25	WG1667662
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	05/10/2021 18:25	WG1667662
1,2-Dibromoethane	U		0.105	0.500	5	05/10/2021 18:25	WG1667662
Dibromomethane	U		0.200	1.00	5	05/10/2021 18:25	WG1667662
1,2-Dichlorobenzene	U		0.290	1.00	5	05/10/2021 18:25	WG1667662
1,3-Dichlorobenzene	U		0.340	1.00	5	05/10/2021 18:25	WG1667662
1,4-Dichlorobenzene	U		0.394	1.00	5	05/10/2021 18:25	WG1667662
Dichlorodifluoromethane	U		0.164	0.500	5	05/10/2021 18:25	WG1667662
1,1-Dichloroethane	U		0.115	0.500	5	05/10/2021 18:25	WG1667662
1,2-Dichloroethane	U		0.0950	0.500	5	05/10/2021 18:25	WG1667662
1,1-Dichloroethene	1.46		0.100	0.500	5	05/10/2021 18:25	WG1667662
cis-1,2-Dichloroethene	491		0.138	0.500	5	05/10/2021 18:25	WG1667662
trans-1,2-Dichloroethene	1.92		0.286	1.00	5	05/10/2021 18:25	WG1667662
1,2-Dichloropropane	U		0.254	1.00	5	05/10/2021 18:25	WG1667662

JC 6/2/21

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		0.140	0.500	5	05/10/2021 18:25	WG1667662
1,3-Dichloropropane	U		0.350	1.00	5	05/10/2021 18:25	WG1667662
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/10/2021 18:25	WG1667662
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/10/2021 18:25	WG1667662
2,2-Dichloropropane	U		0.159	0.500	5	05/10/2021 18:25	WG1667662
Di-isopropyl ether	U		0.0700	0.200	5	05/10/2021 18:25	WG1667662
Ethylbenzene	U		0.106	0.500	5	05/10/2021 18:25	WG1667662
Hexachloro-1,3-butadiene	U		2.54	5.00	5	05/10/2021 18:25	WG1667662
Isopropylbenzene	U		0.173	0.500	5	05/10/2021 18:25	WG1667662
p-Isopropyltoluene	U		0.466	1.00	5	05/10/2021 18:25	WG1667662
2-Butanone (MEK)	U		2.50	5.00	5	05/10/2021 18:25	WG1667662
Methylene Chloride	U		1.33	5.00	5	05/10/2021 18:25	WG1667662
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	05/10/2021 18:25	WG1667662
Methyl tert-butyl ether	U		0.0590	0.200	5	05/10/2021 18:25	WG1667662
Naphthalene	U		0.620	2.50	5	05/10/2021 18:25	WG1667662
n-Propylbenzene	U		0.236	1.00	5	05/10/2021 18:25	WG1667662
Styrene	U		0.545	2.50	5	05/10/2021 18:25	WG1667662
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/10/2021 18:25	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/10/2021 18:25	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/10/2021 18:25	WG1667662
Tetrachloroethene	182		0.140	0.500	5	05/10/2021 18:25	WG1667662
Toluene	0.290	U	0.250	1.00	5	05/10/2021 18:25	WG1667662
1,2,3-Trichlorobenzene	U		0.125	2.50	5	05/10/2021 18:25	WG1667662
1,2,4-Trichlorobenzene	U		0.965	2.50	5	05/10/2021 18:25	WG1667662
1,1,1-Trichloroethane	U		0.0550	0.500	5	05/10/2021 18:25	WG1667662
1,1,2-Trichloroethane	U		0.177	0.500	5	05/10/2021 18:25	WG1667662
Trichloroethene	91.9		0.0800	0.200	5	05/10/2021 18:25	WG1667662
Trichlorofluoromethane	U		0.100	0.500	5	05/10/2021 18:25	WG1667662
1,2,3-Trichloropropane	U		1.02	2.50	5	05/10/2021 18:25	WG1667662
1,2,4-Trimethylbenzene	U		0.232	1.00	5	05/10/2021 18:25	WG1667662
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/10/2021 18:25	WG1667662
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/10/2021 18:25	WG1667662
Vinyl chloride	140		0.137	0.500	5	05/10/2021 18:25	WG1667662
Xylenes, Total	U		0.955	1.30	5	05/10/2021 18:25	WG1667662
Ethyl Ether	U		0.0850	0.500	5	05/10/2021 18:25	WG1667662
Tetrahydrofuran	U		0.450	2.50	5	05/10/2021 18:25	WG1667662
Iodomethane	U		1.21	2.50	5	05/10/2021 18:25	WG1667662
Allyl chloride	U		2.90	5.00	5	05/10/2021 18:25	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	05/10/2021 18:25	WG1667662
(S) Toluene-d8	105			75.0-131		05/10/2021 18:25	WG1667662
(S) 4-Bromofluorobenzene	101			67.0-138		05/10/2021 18:25	WG1667662
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/10/2021 18:25	WG1667662

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	UJ C3	0.548	1.00	1	05/10/2021 14:36	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 14:36	WG1667662
Benzene	0.0420		0.0160	0.0400	1	05/10/2021 14:36	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 14:36	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 14:36	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 14:36	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 14:36	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 14:36	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 14:36	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 14:36	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 14:36	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 14:36	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 14:36	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 14:36	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 14:36	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 14:36	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 14:36	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 14:36	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 14:36	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 14:36	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 14:36	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 14:36	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 14:36	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 14:36	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 14:36	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 14:36	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 14:36	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 14:36	WG1667662
cis-1,2-Dichloroethene	0.203		0.0276	0.100	1	05/10/2021 14:36	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 14:36	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 14:36	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 14:36	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 14:36	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 14:36	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 14:36	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 14:36	WG1667662
Di-isopropyl ether	0.0230		0.0140	0.0400	1	05/10/2021 14:36	WG1667662
Ethylbenzene	0.138		0.0212	0.100	1	05/10/2021 14:36	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 14:36	WG1667662
Isopropylbenzene	0.236		0.0345	0.100	1	05/10/2021 14:36	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 14:36	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 14:36	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 14:36	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 14:36	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 14:36	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 14:36	WG1667662
n-Propylbenzene	0.162		0.0472	0.200	1	05/10/2021 14:36	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 14:36	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 14:36	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 14:36	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 14:36	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 14:36	WG1667662
Toluene	0.413		0.0500	0.200	1	05/10/2021 14:36	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 14:36	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 14:36	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 14:36	WG1667662



JC 6/2/21

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	05/10/2021 14:36	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 14:36	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 14:36	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 14:36	WG1667662
1,2,4-Trimethylbenzene	0.223	~~B~~	0.0464	0.200	1	05/10/2021 14:36	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 14:36	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 14:36	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 14:36	WG1667662
Xylenes, Total	0.909		0.191	0.260	1	05/10/2021 14:36	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 14:36	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 14:36	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 14:36	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 14:36	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 14:36	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 14:36	WG1667662
(S) 4-Bromofluorobenzene	99.3			67.0-138		05/10/2021 14:36	WG1667662
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/10/2021 14:36	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

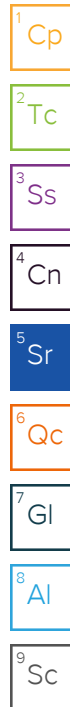
8 Al

9 Sc

JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 14:56	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 14:56	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 14:56	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 14:56	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 14:56	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 14:56	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 14:56	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 14:56	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 14:56	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 14:56	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 14:56	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 14:56	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 14:56	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 14:56	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 14:56	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 14:56	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 14:56	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 14:56	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 14:56	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 14:56	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 14:56	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 14:56	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 14:56	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 14:56	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 14:56	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 14:56	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 14:56	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 14:56	WG1667662
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/10/2021 14:56	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 14:56	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 14:56	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 14:56	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 14:56	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 14:56	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 14:56	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 14:56	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 14:56	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 14:56	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 14:56	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 14:56	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 14:56	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 14:56	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 14:56	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 14:56	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 14:56	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 14:56	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 14:56	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 14:56	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 14:56	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 14:56	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 14:56	WG1667662
Tetrachloroethene	0.0360	J	0.0280	0.100	1	05/10/2021 14:56	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 14:56	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 14:56	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 14:56	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 14:56	WG1667662



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MW122-050321

SAMPLE RESULTS - 07

Collected date/time: 05/03/21 15:15

L1348232

Volatile Organic 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	05/10/2021 14:56	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 14:56	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 14:56	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 14:56	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 14:56	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 14:56	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 14:56	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 14:56	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 14:56	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 14:56	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 14:56	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 14:56	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 14:56	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 14:56	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 14:56	WG1667662
(S) 4-Bromofluorobenzene	98.2			67.0-138		05/10/2021 14:56	WG1667662
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		05/10/2021 14:56	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

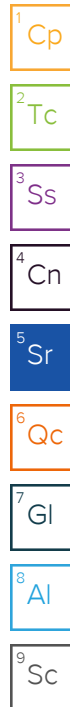
9 Sc

JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 15:15	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 15:15	WG1667662
Benzene	20.8		0.0160	0.0400	1	05/10/2021 15:15	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 15:15	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 15:15	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 15:15	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 15:15	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 15:15	WG1667662
sec-Butylbenzene	0.116	J	0.101	0.500	1	05/10/2021 15:15	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 15:15	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 15:15	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 15:15	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 15:15	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 15:15	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 15:15	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 15:15	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 15:15	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 15:15	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 15:15	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 15:15	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 15:15	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 15:15	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 15:15	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 15:15	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 15:15	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 15:15	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 15:15	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 15:15	WG1667662
cis-1,2-Dichloroethene	3.98		0.0276	0.100	1	05/10/2021 15:15	WG1667662
trans-1,2-Dichloroethene	0.219		0.0572	0.200	1	05/10/2021 15:15	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 15:15	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 15:15	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 15:15	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 15:15	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 15:15	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 15:15	WG1667662
Di-isopropyl ether	0.0760		0.0140	0.0400	1	05/10/2021 15:15	WG1667662
Ethylbenzene	0.104	B	0.0212	0.100	1	05/10/2021 15:15	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 15:15	WG1667662
Isopropylbenzene	3.77		0.0345	0.100	1	05/10/2021 15:15	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 15:15	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 15:15	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 15:15	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 15:15	WG1667662
Methyl tert-butyl ether	0.0500		0.0118	0.0400	1	05/10/2021 15:15	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 15:15	WG1667662
n-Propylbenzene	0.735		0.0472	0.200	1	05/10/2021 15:15	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 15:15	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 15:15	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 15:15	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 15:15	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 15:15	WG1667662
Toluene	0.186	J	0.0500	0.200	1	05/10/2021 15:15	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 15:15	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 15:15	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 15:15	WG1667662

JC 6/2/21



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	05/10/2021 15:15	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 15:15	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 15:15	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 15:15	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 15:15	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 15:15	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 15:15	WG1667662
Vinyl chloride	11.7		0.0273	0.100	1	05/10/2021 15:15	WG1667662
Xylenes, Total	0.332		0.191	0.260	1	05/10/2021 15:15	WG1667662
Ethyl Ether	0.105		0.0170	0.100	1	05/10/2021 15:15	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 15:15	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 15:15	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 15:15	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 15:15	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 15:15	WG1667662
(S) 4-Bromofluorobenzene	98.7			67.0-138		05/10/2021 15:15	WG1667662
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		05/10/2021 15:15	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

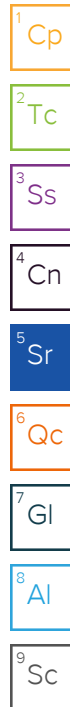
8 Al

9 Sc

JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 15:34	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 15:34	WG1667662
Benzene	0.252		0.0160	0.0400	1	05/10/2021 15:34	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 15:34	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 15:34	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 15:34	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 15:34	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 15:34	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 15:34	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 15:34	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 15:34	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 15:34	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 15:34	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 15:34	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 15:34	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 15:34	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 15:34	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 15:34	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 15:34	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 15:34	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 15:34	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 15:34	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 15:34	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 15:34	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 15:34	WG1667662
1,1-Dichloroethane	0.0300	J	0.0230	0.100	1	05/10/2021 15:34	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 15:34	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 15:34	WG1667662
cis-1,2-Dichloroethene	0.212		0.0276	0.100	1	05/10/2021 15:34	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 15:34	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 15:34	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 15:34	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 15:34	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 15:34	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 15:34	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 15:34	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 15:34	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 15:34	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 15:34	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 15:34	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 15:34	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 15:34	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 15:34	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 15:34	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 15:34	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 15:34	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 15:34	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 15:34	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 15:34	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 15:34	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 15:34	WG1667662
Tetrachloroethene	0.0370	J	0.0280	0.100	1	05/10/2021 15:34	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 15:34	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 15:34	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 15:34	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 15:34	WG1667662



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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	05/10/2021 15:34	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 15:34	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 15:34	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 15:34	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 15:34	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 15:34	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 15:34	WG1667662
Vinyl chloride	13.1		0.0273	0.100	1	05/10/2021 15:34	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 15:34	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 15:34	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 15:34	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 15:34	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 15:34	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 15:34	WG1667662
(S) Toluene-d8	104			75.0-131		05/10/2021 15:34	WG1667662
(S) 4-Bromofluorobenzene	98.8			67.0-138		05/10/2021 15:34	WG1667662
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		05/10/2021 15:34	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

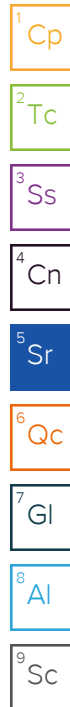
9 Sc

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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	U	UJ C3	0.548	1.00	1	05/10/2021 15:53	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 15:53	WG1667662
Benzene	6.04		0.0160	0.0400	1	05/10/2021 15:53	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 15:53	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 15:53	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 15:53	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 15:53	WG1667662
n-Butylbenzene	2.23		0.153	0.500	1	05/10/2021 15:53	WG1667662
sec-Butylbenzene	5.17		0.101	0.500	1	05/10/2021 15:53	WG1667662
tert-Butylbenzene	0.168	J	0.0620	0.200	1	05/10/2021 15:53	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 15:53	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 15:53	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 15:53	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 15:53	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 15:53	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 15:53	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 15:53	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 15:53	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 15:53	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 15:53	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 15:53	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 15:53	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 15:53	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 15:53	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 15:53	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 15:53	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 15:53	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 15:53	WG1667662
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/10/2021 15:53	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 15:53	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 15:53	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 15:53	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 15:53	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 15:53	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 15:53	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 15:53	WG1667662
Di-isopropyl ether	0.0570		0.0140	0.0400	1	05/10/2021 15:53	WG1667662
Ethylbenzene	1.22		0.0212	0.100	1	05/10/2021 15:53	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 15:53	WG1667662
Isopropylbenzene	14.2		0.0345	0.100	1	05/10/2021 15:53	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 15:53	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 15:53	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 15:53	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 15:53	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 15:53	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 15:53	WG1667662
n-Propylbenzene	39.6		0.0472	0.200	1	05/10/2021 15:53	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 15:53	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 15:53	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 15:53	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 15:53	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 15:53	WG1667662
Toluene	0.395		0.0500	0.200	1	05/10/2021 15:53	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 15:53	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 15:53	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 15:53	WG1667662

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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	05/10/2021 15:53	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 15:53	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 15:53	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 15:53	WG1667662
1,2,4-Trimethylbenzene	0.582	<u>B</u>	0.0464	0.200	1	05/10/2021 15:53	WG1667662
1,2,3-Trimethylbenzene	0.631		0.0460	0.200	1	05/10/2021 15:53	WG1667662
1,3,5-Trimethylbenzene	0.164	<u>U</u>	0.0432	0.200	1	05/10/2021 15:53	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 15:53	WG1667662
Xylenes, Total	1.48		0.191	0.260	1	05/10/2021 15:53	WG1667662
Ethyl Ether	0.0880	<u>U</u>	0.0170	0.100	1	05/10/2021 15:53	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 15:53	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 15:53	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 15:53	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 15:53	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 15:53	WG1667662
(S) 4-Bromofluorobenzene	99.2			67.0-138		05/10/2021 15:53	WG1667662
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/10/2021 15:53	WG1667662

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 date / time	Batch
Sulfate	7560		594	5000	1	05/12/2021 05:41	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2190	<u>B</u>	102	1000	1	05/09/2021 21:56	WG1667220

Metals (ICPMS) by Method 6020B

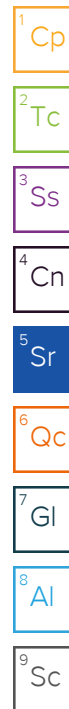
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	58.2	<u>J</u>	28.1	100	1	05/17/2021 12:47	WG1671747
Manganese	195		0.704	5.00	1	05/17/2021 12:47	WG1671747

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	183		0.287	0.678	1	05/06/2021 15:34	WG1665362
Ethane	U		0.296	1.29	1	05/06/2021 15:34	WG1665362
Ethene	U		0.422	1.27	1	05/06/2021 15:34	WG1665362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	<u>UJ</u> <u>C3</u>	0.548	1.00	1	05/10/2021 16:12	WG1667662
Acrylonitrile	U	<u>UJ</u> <u>C3</u>	0.0760	0.500	1	05/10/2021 16:12	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 16:12	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 16:12	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 16:12	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 16:12	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 16:12	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 16:12	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 16:12	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 16:12	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 16:12	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 16:12	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 16:12	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 16:12	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 16:12	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 16:12	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 16:12	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 16:12	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 16:12	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 16:12	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 16:12	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 16:12	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 16:12	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 16:12	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 16:12	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 16:12	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 16:12	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 16:12	WG1667662
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/10/2021 16:12	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 16:12	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 16:12	WG1667662



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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	05/10/2021 16:12	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 16:12	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 16:12	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 16:12	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 16:12	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 16:12	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 16:12	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 16:12	WG1667662
Isopropylbenzene	0.0450	U	0.0345	0.100	1	05/10/2021 16:12	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 16:12	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 16:12	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 16:12	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 16:12	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 16:12	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 16:12	WG1667662
n-Propylbenzene	0.203		0.0472	0.200	1	05/10/2021 16:12	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 16:12	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 16:12	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 16:12	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 16:12	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 16:12	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 16:12	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 16:12	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 16:12	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 16:12	WG1667662
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/10/2021 16:12	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 16:12	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 16:12	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 16:12	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 16:12	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 16:12	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 16:12	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 16:12	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 16:12	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 16:12	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 16:12	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 16:12	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 16:12	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 16:12	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 16:12	WG1667662
(S) 4-Bromofluorobenzene	97.0			67.0-138		05/10/2021 16:12	WG1667662
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/10/2021 16:12	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/2/21

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	7510		594	5000	1	05/12/2021 05:58	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2110	<u>B</u>	102	1000	1	05/09/2021 22:11	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	72.9	<u>J</u>	28.1	100	1	05/17/2021 13:05	WG1671747
Manganese	200		0.704	5.00	1	05/17/2021 13:05	WG1671747

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	163		0.287	0.678	1	05/06/2021 15:43	WG1665362
Ethane	U		0.296	1.29	1	05/06/2021 15:43	WG1665362
Ethene	U		0.422	1.27	1	05/06/2021 15:43	WG1665362

Volatile 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	05/10/2021 16:31	WG1667662
Acrylonitrile	U	UJ	C3	0.0760	0.500	1	05/10/2021 16:31	WG1667662
Benzene	U			0.0160	0.0400	1	05/10/2021 16:31	WG1667662
Bromobenzene	U			0.0420	0.500	1	05/10/2021 16:31	WG1667662
Bromodichloromethane	U			0.0315	0.100	1	05/10/2021 16:31	WG1667662
Bromoform	U			0.239	1.00	1	05/10/2021 16:31	WG1667662
Bromomethane	U			0.148	0.500	1	05/10/2021 16:31	WG1667662
n-Butylbenzene	U			0.153	0.500	1	05/10/2021 16:31	WG1667662
sec-Butylbenzene	U			0.101	0.500	1	05/10/2021 16:31	WG1667662
tert-Butylbenzene	U			0.0620	0.200	1	05/10/2021 16:31	WG1667662
Carbon tetrachloride	U			0.0432	0.200	1	05/10/2021 16:31	WG1667662
Chlorobenzene	U			0.0229	0.100	1	05/10/2021 16:31	WG1667662
Chlorodibromomethane	U			0.0180	0.100	1	05/10/2021 16:31	WG1667662
Chloroethane	U			0.0432	0.200	1	05/10/2021 16:31	WG1667662
Chloroform	U			0.0166	0.100	1	05/10/2021 16:31	WG1667662
Chloromethane	U			0.0556	0.500	1	05/10/2021 16:31	WG1667662
2-Chlorotoluene	U			0.0368	0.100	1	05/10/2021 16:31	WG1667662
4-Chlorotoluene	U			0.0452	0.200	1	05/10/2021 16:31	WG1667662
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/10/2021 16:31	WG1667662
1,2-Dibromoethane	U			0.0210	0.100	1	05/10/2021 16:31	WG1667662
Dibromomethane	U			0.0400	0.200	1	05/10/2021 16:31	WG1667662
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/10/2021 16:31	WG1667662
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/10/2021 16:31	WG1667662
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/10/2021 16:31	WG1667662
Dichlorodifluoromethane	U			0.0327	0.100	1	05/10/2021 16:31	WG1667662
1,1-Dichloroethane	U			0.0230	0.100	1	05/10/2021 16:31	WG1667662
1,2-Dichloroethane	U			0.0190	0.100	1	05/10/2021 16:31	WG1667662
1,1-Dichloroethene	U			0.0200	0.100	1	05/10/2021 16:31	WG1667662
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/10/2021 16:31	WG1667662
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/10/2021 16:31	WG1667662
1,2-Dichloropropane	U			0.0508	0.200	1	05/10/2021 16:31	WG1667662

JC 6/2

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-947-050421

SAMPLE RESULTS - 12

Collected date/time: 05/04/21 12:45

L1348232

Volatile Organic 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	05/10/2021 16:31	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 16:31	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 16:31	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 16:31	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 16:31	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 16:31	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 16:31	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 16:31	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 16:31	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 16:31	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 16:31	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 16:31	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 16:31	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 16:31	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 16:31	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 16:31	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 16:31	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 16:31	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 16:31	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 16:31	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 16:31	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 16:31	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 16:31	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 16:31	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 16:31	WG1667662
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/10/2021 16:31	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 16:31	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 16:31	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 16:31	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 16:31	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 16:31	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 16:31	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 16:31	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 16:31	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 16:31	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 16:31	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 16:31	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 16:31	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 16:31	WG1667662
(S) Toluene-d8	105			75.0-131		05/10/2021 16:31	WG1667662
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/10/2021 16:31	WG1667662
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/10/2021 16:31	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

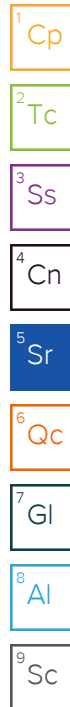
9 Sc

JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U UJ	C3	0.548	1.00	1	05/10/2021 16:50	WG1667662
Acrylonitrile	U UJ	C3	0.0760	0.500	1	05/10/2021 16:50	WG1667662
Benzene	0.0240	J	0.0160	0.0400	1	05/10/2021 16:50	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 16:50	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 16:50	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 16:50	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 16:50	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 16:50	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 16:50	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 16:50	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 16:50	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 16:50	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 16:50	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 16:50	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 16:50	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 16:50	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 16:50	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 16:50	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 16:50	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 16:50	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 16:50	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 16:50	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 16:50	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 16:50	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 16:50	WG1667662
1,1-Dichloroethane	0.831		0.0230	0.100	1	05/10/2021 16:50	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 16:50	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 16:50	WG1667662
cis-1,2-Dichloroethene	0.0370	J	0.0276	0.100	1	05/10/2021 16:50	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 16:50	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 16:50	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 16:50	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 16:50	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 16:50	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 16:50	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 16:50	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 16:50	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 16:50	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 16:50	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 16:50	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 16:50	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 16:50	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 16:50	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 16:50	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 16:50	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 16:50	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 16:50	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 16:50	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 16:50	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 16:50	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 16:50	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 16:50	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 16:50	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 16:50	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 16:50	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 16:50	WG1667662

JC 6/2/21



MW-331-050421

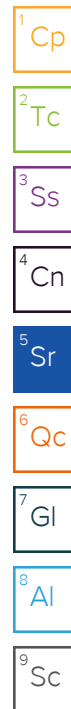
SAMPLE RESULTS - 13

Collected date/time: 05/04/21 13:50

L1348232

Volatile Organic 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	05/10/2021 16:50	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 16:50	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 16:50	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 16:50	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 16:50	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 16:50	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 16:50	WG1667662
Vinyl chloride	0.339		0.0273	0.100	1	05/10/2021 16:50	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 16:50	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 16:50	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 16:50	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 16:50	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 16:50	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 16:50	WG1667662
(S) Toluene-d8	104			75.0-131		05/10/2021 16:50	WG1667662
(S) 4-Bromofluorobenzene	97.6			67.0-138		05/10/2021 16:50	WG1667662
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/10/2021 16:50	WG1667662

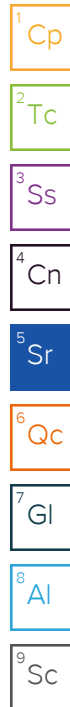


JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 17:09	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 17:09	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 17:09	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 17:09	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 17:09	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 17:09	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 17:09	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 17:09	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 17:09	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 17:09	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 17:09	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 17:09	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 17:09	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 17:09	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 17:09	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 17:09	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 17:09	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 17:09	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 17:09	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 17:09	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 17:09	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 17:09	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 17:09	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 17:09	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 17:09	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 17:09	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 17:09	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 17:09	WG1667662
cis-1,2-Dichloroethene	0.0490	J	0.0276	0.100	1	05/10/2021 17:09	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 17:09	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 17:09	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 17:09	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 17:09	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 17:09	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 17:09	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 17:09	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 17:09	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 17:09	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 17:09	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 17:09	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 17:09	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 17:09	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 17:09	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 17:09	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 17:09	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 17:09	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 17:09	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 17:09	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 17:09	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 17:09	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 17:09	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 17:09	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 17:09	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 17:09	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 17:09	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 17:09	WG1667662

JC 6/2/21



MW-337-050421

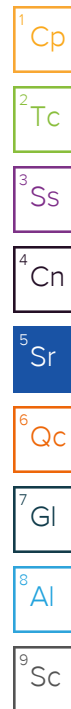
SAMPLE RESULTS - 14

Collected date/time: 05/04/21 14:45

L1348232

Volatile Organic 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	05/10/2021 17:09	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 17:09	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 17:09	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 17:09	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 17:09	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 17:09	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 17:09	WG1667662
Vinyl chloride	0.0670	U	0.0273	0.100	1	05/10/2021 17:09	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 17:09	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 17:09	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 17:09	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 17:09	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 17:09	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 17:09	WG1667662
(S) Toluene-d8	105			75.0-131		05/10/2021 17:09	WG1667662
(S) 4-Bromofluorobenzene	98.7			67.0-138		05/10/2021 17:09	WG1667662
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/10/2021 17:09	WG1667662

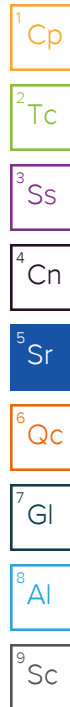


JC 6/2/21

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 17:28	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 17:28	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 17:28	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 17:28	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 17:28	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 17:28	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 17:28	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 17:28	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 17:28	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 17:28	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 17:28	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 17:28	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 17:28	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 17:28	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 17:28	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 17:28	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 17:28	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 17:28	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 17:28	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 17:28	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 17:28	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 17:28	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 17:28	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 17:28	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 17:28	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 17:28	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 17:28	WG1667662
1,1-Dichloroethene	U		0.0200	0.100	1	05/10/2021 17:28	WG1667662
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/10/2021 17:28	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 17:28	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 17:28	WG1667662
1,1-Dichloropropene	U		0.0280	0.100	1	05/10/2021 17:28	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 17:28	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 17:28	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 17:28	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 17:28	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 17:28	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 17:28	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 17:28	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 17:28	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 17:28	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 17:28	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 17:28	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 17:28	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 17:28	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 17:28	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 17:28	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 17:28	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 17:28	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 17:28	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 17:28	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 17:28	WG1667662
Toluene	U		0.0500	0.200	1	05/10/2021 17:28	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 17:28	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 17:28	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 17:28	WG1667662

JC 6/2/21



MW-338-050421

SAMPLE RESULTS - 15

Collected date/time: 05/04/21 15:30

L1348232

Volatile Organic 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	05/10/2021 17:28	WG1667662
Trichloroethene	U		0.0160	0.0400	1	05/10/2021 17:28	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 17:28	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 17:28	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 17:28	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 17:28	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 17:28	WG1667662
Vinyl chloride	U		0.0273	0.100	1	05/10/2021 17:28	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 17:28	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 17:28	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 17:28	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 17:28	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 17:28	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 17:28	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 17:28	WG1667662
(S) 4-Bromofluorobenzene	99.4			67.0-138		05/10/2021 17:28	WG1667662
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/10/2021 17:28	WG1667662

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/2/21

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	19600		594	5000	1	05/12/2021 06:14	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1480	~~B~~	102	1000	1	05/09/2021 23:34	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2570		28.1	100	1	05/17/2021 13:29	WG1671737
Manganese	732		0.704	5.00	1	05/17/2021 13:29	WG1671737

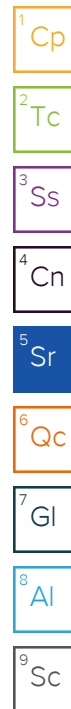
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	157		0.287	0.678	1	05/07/2021 15:22	WG1665871
Ethane	16.4		0.296	1.29	1	05/07/2021 15:22	WG1665871
Ethene	4.02		0.422	1.27	1	05/07/2021 15:22	WG1665871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	~~UJ~~ C3	0.548	1.00	1	05/10/2021 17:47	WG1667662
Acrylonitrile	U	~~UJ~~ C3	0.0760	0.500	1	05/10/2021 17:47	WG1667662
Benzene	U		0.0160	0.0400	1	05/10/2021 17:47	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 17:47	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 17:47	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 17:47	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 17:47	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 17:47	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 17:47	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 17:47	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 17:47	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 17:47	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 17:47	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 17:47	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 17:47	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 17:47	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 17:47	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 17:47	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 17:47	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 17:47	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 17:47	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 17:47	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 17:47	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 17:47	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 17:47	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 17:47	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 17:47	WG1667662
1,1-Dichloroethene	0.554		0.0200	0.100	1	05/10/2021 17:47	WG1667662
cis-1,2-Dichloroethene	34.0		0.0276	0.100	1	05/10/2021 17:47	WG1667662
trans-1,2-Dichloroethene	0.108	~~J~~	0.0572	0.200	1	05/10/2021 17:47	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 17:47	WG1667662

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MW103-050321

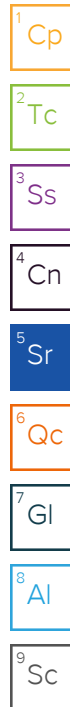
SAMPLE RESULTS - 01

Collected date/time: 05/03/21 10:00

L1348405

Volatile Organic 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	05/10/2021 17:47	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 17:47	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 17:47	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 17:47	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 17:47	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 17:47	WG1667662
Ethylbenzene	U		0.0212	0.100	1	05/10/2021 17:47	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 17:47	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 17:47	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 17:47	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 17:47	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 17:47	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 17:47	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 17:47	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 17:47	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 17:47	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 17:47	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 17:47	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 17:47	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 17:47	WG1667662
Tetrachloroethene	0.569		0.0280	0.100	1	05/10/2021 17:47	WG1667662
Toluene	0.0950	U	0.0500	0.200	1	05/10/2021 17:47	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 17:47	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 17:47	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 17:47	WG1667662
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/10/2021 17:47	WG1667662
Trichloroethene	8.73		0.0160	0.0400	1	05/10/2021 17:47	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 17:47	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 17:47	WG1667662
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/10/2021 17:47	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 17:47	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 17:47	WG1667662
Vinyl chloride	15.8		0.0273	0.100	1	05/10/2021 17:47	WG1667662
Xylenes, Total	U		0.191	0.260	1	05/10/2021 17:47	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 17:47	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 17:47	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 17:47	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 17:47	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 17:47	WG1667662
(S) Toluene-d8	104			75.0-131		05/10/2021 17:47	WG1667662
(S) 4-Bromofluorobenzene	100			67.0-138		05/10/2021 17:47	WG1667662
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/10/2021 17:47	WG1667662



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	17800		594	5000	1	05/12/2021 06:30	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1210	~~B~~	102	1000	1	05/09/2021 23:53	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7730		28.1	100	1	05/17/2021 13:32	WG1671737
Manganese	344		0.704	5.00	1	05/17/2021 13:32	WG1671737

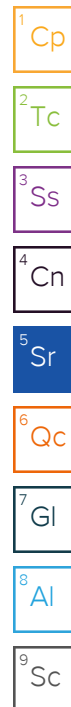
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	347		0.287	0.678	1	05/07/2021 15:27	WG1665871
Ethane	29.6		0.296	1.29	1	05/07/2021 15:27	WG1665871
Ethene	13.7		0.422	1.27	1	05/07/2021 15:27	WG1665871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/10/2021 18:06	WG1667662
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/10/2021 18:06	WG1667662
Benzene	0.0430		0.0160	0.0400	1	05/10/2021 18:06	WG1667662
Bromobenzene	U		0.0420	0.500	1	05/10/2021 18:06	WG1667662
Bromodichloromethane	U		0.0315	0.100	1	05/10/2021 18:06	WG1667662
Bromoform	U		0.239	1.00	1	05/10/2021 18:06	WG1667662
Bromomethane	U		0.148	0.500	1	05/10/2021 18:06	WG1667662
n-Butylbenzene	U		0.153	0.500	1	05/10/2021 18:06	WG1667662
sec-Butylbenzene	U		0.101	0.500	1	05/10/2021 18:06	WG1667662
tert-Butylbenzene	U		0.0620	0.200	1	05/10/2021 18:06	WG1667662
Carbon tetrachloride	U		0.0432	0.200	1	05/10/2021 18:06	WG1667662
Chlorobenzene	U		0.0229	0.100	1	05/10/2021 18:06	WG1667662
Chlorodibromomethane	U		0.0180	0.100	1	05/10/2021 18:06	WG1667662
Chloroethane	U		0.0432	0.200	1	05/10/2021 18:06	WG1667662
Chloroform	U		0.0166	0.100	1	05/10/2021 18:06	WG1667662
Chloromethane	U		0.0556	0.500	1	05/10/2021 18:06	WG1667662
2-Chlorotoluene	U		0.0368	0.100	1	05/10/2021 18:06	WG1667662
4-Chlorotoluene	U		0.0452	0.200	1	05/10/2021 18:06	WG1667662
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/10/2021 18:06	WG1667662
1,2-Dibromoethane	U		0.0210	0.100	1	05/10/2021 18:06	WG1667662
Dibromomethane	U		0.0400	0.200	1	05/10/2021 18:06	WG1667662
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/10/2021 18:06	WG1667662
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/10/2021 18:06	WG1667662
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/10/2021 18:06	WG1667662
Dichlorodifluoromethane	U		0.0327	0.100	1	05/10/2021 18:06	WG1667662
1,1-Dichloroethane	U		0.0230	0.100	1	05/10/2021 18:06	WG1667662
1,2-Dichloroethane	U		0.0190	0.100	1	05/10/2021 18:06	WG1667662
1,1-Dichloroethene	0.0420	J	0.0200	0.100	1	05/10/2021 18:06	WG1667662
cis-1,2-Dichloroethene	5.80		0.0276	0.100	1	05/10/2021 18:06	WG1667662
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/10/2021 18:06	WG1667662
1,2-Dichloropropane	U		0.0508	0.200	1	05/10/2021 18:06	WG1667662

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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	05/10/2021 18:06	WG1667662
1,3-Dichloropropane	U		0.0700	0.200	1	05/10/2021 18:06	WG1667662
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/10/2021 18:06	WG1667662
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/10/2021 18:06	WG1667662
2,2-Dichloropropane	U		0.0317	0.100	1	05/10/2021 18:06	WG1667662
Di-isopropyl ether	U		0.0140	0.0400	1	05/10/2021 18:06	WG1667662
Ethylbenzene	0.174		0.0212	0.100	1	05/10/2021 18:06	WG1667662
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/10/2021 18:06	WG1667662
Isopropylbenzene	U		0.0345	0.100	1	05/10/2021 18:06	WG1667662
p-Isopropyltoluene	U		0.0932	0.200	1	05/10/2021 18:06	WG1667662
2-Butanone (MEK)	U		0.500	1.00	1	05/10/2021 18:06	WG1667662
Methylene Chloride	U		0.265	1.00	1	05/10/2021 18:06	WG1667662
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/10/2021 18:06	WG1667662
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/10/2021 18:06	WG1667662
Naphthalene	U		0.124	0.500	1	05/10/2021 18:06	WG1667662
n-Propylbenzene	U		0.0472	0.200	1	05/10/2021 18:06	WG1667662
Styrene	U		0.109	0.500	1	05/10/2021 18:06	WG1667662
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/10/2021 18:06	WG1667662
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/10/2021 18:06	WG1667662
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/10/2021 18:06	WG1667662
Tetrachloroethene	U		0.0280	0.100	1	05/10/2021 18:06	WG1667662
Toluene	0.880		0.0500	0.200	1	05/10/2021 18:06	WG1667662
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/10/2021 18:06	WG1667662
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/10/2021 18:06	WG1667662
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/10/2021 18:06	WG1667662
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/10/2021 18:06	WG1667662
Trichloroethene	0.0790		0.0160	0.0400	1	05/10/2021 18:06	WG1667662
Trichlorofluoromethane	U		0.0200	0.100	1	05/10/2021 18:06	WG1667662
1,2,3-Trichloropropane	U		0.204	0.500	1	05/10/2021 18:06	WG1667662
1,2,4-Trimethylbenzene	0.195		0.0464	0.200	1	05/10/2021 18:06	WG1667662
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/10/2021 18:06	WG1667662
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/10/2021 18:06	WG1667662
Vinyl chloride	44.3		0.0273	0.100	1	05/10/2021 18:06	WG1667662
Xylenes, Total	1.21		0.191	0.260	1	05/10/2021 18:06	WG1667662
Ethyl Ether	U		0.0170	0.100	1	05/10/2021 18:06	WG1667662
Tetrahydrofuran	U		0.0900	0.500	1	05/10/2021 18:06	WG1667662
Iodomethane	U		0.242	0.500	1	05/10/2021 18:06	WG1667662
Allyl chloride	U		0.580	1.00	1	05/10/2021 18:06	WG1667662
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/10/2021 18:06	WG1667662
(S) Toluene-d8	103			75.0-131		05/10/2021 18:06	WG1667662
(S) 4-Bromofluorobenzene	99.4			67.0-138		05/10/2021 18:06	WG1667662
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/10/2021 18:06	WG1667662

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	~~93-94~~	27.4	50.0	50	05/17/2021 18:09	WG1672154
Acrylonitrile	U	~~13-14~~	3.80	25.0	50	05/17/2021 18:09	WG1672154
Benzene	U		0.800	2.00	50	05/17/2021 18:09	WG1672154
Bromobenzene	U		2.10	25.0	50	05/17/2021 18:09	WG1672154
Bromodichloromethane	U		1.58	5.00	50	05/18/2021 18:20	WG1672815
Bromoform	U		12.0	50.0	50	05/17/2021 18:09	WG1672154
Bromomethane	U		7.40	25.0	50	05/17/2021 18:09	WG1672154
n-Butylbenzene	U		7.65	25.0	50	05/17/2021 18:09	WG1672154
sec-Butylbenzene	U		5.05	25.0	50	05/17/2021 18:09	WG1672154
tert-Butylbenzene	U		3.10	10.0	50	05/17/2021 18:09	WG1672154
Carbon tetrachloride	U		2.16	10.0	50	05/17/2021 18:09	WG1672154
Chlorobenzene	U		1.15	5.00	50	05/17/2021 18:09	WG1672154
Chlorodibromomethane	U		0.900	5.00	50	05/17/2021 18:09	WG1672154
Chloroethane	U		2.16	10.0	50	05/17/2021 18:09	WG1672154
Chloroform	U		0.830	5.00	50	05/17/2021 18:09	WG1672154
Chloromethane	U		2.78	25.0	50	05/17/2021 18:09	WG1672154
2-Chlorotoluene	U		1.84	5.00	50	05/17/2021 18:09	WG1672154
4-Chlorotoluene	U		2.26	10.0	50	05/17/2021 18:09	WG1672154
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	05/17/2021 18:09	WG1672154
1,2-Dibromoethane	U		1.05	5.00	50	05/17/2021 18:09	WG1672154
Dibromomethane	U		2.00	10.0	50	05/17/2021 18:09	WG1672154
1,2-Dichlorobenzene	U		2.90	10.0	50	05/17/2021 18:09	WG1672154
1,3-Dichlorobenzene	U		3.40	10.0	50	05/17/2021 18:09	WG1672154
1,4-Dichlorobenzene	U		3.94	10.0	50	05/17/2021 18:09	WG1672154
Dichlorodifluoromethane	U		1.64	5.00	50	05/17/2021 18:09	WG1672154
1,1-Dichloroethane	U		1.15	5.00	50	05/17/2021 18:09	WG1672154
1,2-Dichloroethane	U		0.950	5.00	50	05/17/2021 18:09	WG1672154
1,1-Dichloroethene	U		1.00	5.00	50	05/17/2021 18:09	WG1672154
cis-1,2-Dichloroethene	977		1.38	5.00	50	05/17/2021 18:09	WG1672154
trans-1,2-Dichloroethene	3.15	J	2.86	10.0	50	05/17/2021 18:09	WG1672154
1,2-Dichloropropane	U		2.54	10.0	50	05/17/2021 18:09	WG1672154
1,1-Dichloropropene	U		1.40	5.00	50	05/17/2021 18:09	WG1672154
1,3-Dichloropropane	U		3.50	10.0	50	05/17/2021 18:09	WG1672154
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/17/2021 18:09	WG1672154
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/17/2021 18:09	WG1672154
2,2-Dichloropropane	U		1.59	5.00	50	05/17/2021 18:09	WG1672154
Di-isopropyl ether	U		0.700	2.00	50	05/17/2021 18:09	WG1672154
Ethylbenzene	U		1.06	5.00	50	05/17/2021 18:09	WG1672154
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/17/2021 18:09	WG1672154
Isopropylbenzene	U		1.73	5.00	50	05/17/2021 18:09	WG1672154
p-Isopropyltoluene	U		4.66	10.0	50	05/17/2021 18:09	WG1672154
2-Butanone (MEK)	U		25.0	50.0	50	05/17/2021 18:09	WG1672154
Methylene Chloride	U		13.3	50.0	50	05/17/2021 18:09	WG1672154
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	05/17/2021 18:09	WG1672154
Methyl tert-butyl ether	U		0.590	2.00	50	05/17/2021 18:09	WG1672154
Naphthalene	U		6.20	25.0	50	05/17/2021 18:09	WG1672154
n-Propylbenzene	U		2.36	10.0	50	05/17/2021 18:09	WG1672154
Styrene	U		5.45	25.0	50	05/17/2021 18:09	WG1672154
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/17/2021 18:09	WG1672154
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	05/17/2021 18:09	WG1672154
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/17/2021 18:09	WG1672154
Tetrachloroethene	U		1.40	5.00	50	05/17/2021 18:09	WG1672154
Toluene	U		2.50	10.0	50	05/17/2021 18:09	WG1672154
1,2,3-Trichlorobenzene	U		1.25	25.0	50	05/17/2021 18:09	WG1672154
1,2,4-Trichlorobenzene	U		9.65	25.0	50	05/17/2021 18:09	WG1672154
1,1,1-Trichloroethane	U		0.550	5.00	50	05/17/2021 18:09	WG1672154

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/10/2021

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		1.77	5.00	50	05/17/2021 18:09	WG1672154
Trichloroethene	54.5		0.800	2.00	50	05/17/2021 18:09	WG1672154
Trichlorofluoromethane	U		1.00	5.00	50	05/17/2021 18:09	WG1672154
1,2,3-Trichloropropane	U		10.2	25.0	50	05/17/2021 18:09	WG1672154
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/17/2021 18:09	WG1672154
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/18/2021 18:20	WG1672815
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/17/2021 18:09	WG1672154
Vinyl chloride	42.9		1.36	5.00	50	05/17/2021 18:09	WG1672154
Xylenes, Total	U		9.55	13.0	50	05/17/2021 18:09	WG1672154
Ethyl Ether	U		0.850	5.00	50	05/17/2021 18:09	WG1672154
Tetrahydrofuran	U		4.50	25.0	50	05/17/2021 18:09	WG1672154
Iodomethane	U		12.1	25.0	50	05/17/2021 18:09	WG1672154
Allyl chloride	U		29.0	50.0	50	05/17/2021 18:09	WG1672154
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	05/17/2021 18:09	WG1672154
(S) Toluene-d8	102			75.0-131		05/17/2021 18:09	WG1672154
(S) Toluene-d8	99.9			75.0-131		05/18/2021 18:20	WG1672815
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 18:09	WG1672154
(S) 4-Bromofluorobenzene	93.8			67.0-138		05/18/2021 18:20	WG1672815
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/17/2021 18:09	WG1672154
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		05/18/2021 18:20	WG1672815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

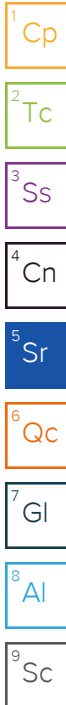
9 Sc

JC 6/10/2021

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	2.16		0.548	1.00	1	05/16/2021 20:09	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 20:09	WG1671541
Benzene	0.0300	J	0.0160	0.0400	1	05/16/2021 20:09	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 20:09	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 20:09	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 20:09	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 20:09	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 20:09	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 20:09	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 20:09	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 20:09	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 20:09	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 20:09	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 20:09	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 20:09	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 20:09	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 20:09	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 20:09	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 20:09	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 20:09	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 20:09	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 20:09	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 20:09	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 20:09	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 20:09	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 20:09	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 20:09	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 20:09	WG1671541
cis-1,2-Dichloroethene	2.31		0.0276	0.100	1	05/16/2021 20:09	WG1671541
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/16/2021 20:09	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 20:09	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 20:09	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 20:09	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 20:09	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 20:09	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 20:09	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 20:09	WG1671541
Ethylbenzene	0.160		0.0212	0.100	1	05/16/2021 20:09	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 20:09	WG1671541
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 20:09	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 20:09	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 20:09	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 20:09	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 20:09	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 20:09	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 20:09	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 20:09	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 20:09	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 20:09	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 20:09	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 20:09	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 20:09	WG1671541
Toluene	0.824		0.0500	0.200	1	05/16/2021 20:09	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 20:09	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 20:09	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 20:09	WG1671541

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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	05/16/2021 20:09	WG1671541
Trichloroethene	U		0.0160	0.0400	1	05/16/2021 20:09	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 20:09	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 20:09	WG1671541
1,2,4-Trimethylbenzene	0.106	<u>J</u>	0.0464	0.200	1	05/16/2021 20:09	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 20:09	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 20:09	WG1671541
Vinyl chloride	0.524		0.0273	0.100	1	05/16/2021 20:09	WG1671541
Xylenes, Total	0.946		0.191	0.260	1	05/16/2021 20:09	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 20:09	WG1671541
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	05/16/2021 20:09	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 20:09	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 20:09	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 20:09	WG1671541
(S) Toluene-d8	98.0			75.0-131		05/16/2021 20:09	WG1671541
(S) 4-Bromofluorobenzene	119			67.0-138		05/16/2021 20:09	WG1671541
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/16/2021 20:09	WG1671541

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/10/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	76400		2970	25000	5	05/12/2021 06:47	WG1667047

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 date / time	Batch
TOC (Total Organic Carbon)	3030	~~B~~	102	1000	1	05/10/2021 00:39	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5540		28.1	100	1	05/17/2021 13:35	WG1671737
Manganese	2810		0.704	5.00	1	05/17/2021 13:35	WG1671737

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2630		0.287	0.678	1	05/07/2021 16:01	WG1665871
Ethane	5.45		0.296	1.29	1	05/07/2021 16:01	WG1665871
Ethene	U		0.422	1.27	1	05/07/2021 16:01	WG1665871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	~~J3 J4~~	5.48	10.0	10	05/17/2021 18:28	WG1672154
Acrylonitrile	U	~~J3 J4~~	0.760	5.00	10	05/17/2021 18:28	WG1672154
Benzene	U		0.160	0.400	10	05/17/2021 18:28	WG1672154
Bromobenzene	U		0.420	5.00	10	05/17/2021 18:28	WG1672154
Bromodichloromethane	U		0.315	1.00	10	05/18/2021 18:40	WG1672815
Bromoform	U		2.39	10.0	10	05/17/2021 18:28	WG1672154
Bromomethane	U		1.48	5.00	10	05/17/2021 18:28	WG1672154
n-Butylbenzene	U		1.53	5.00	10	05/17/2021 18:28	WG1672154
sec-Butylbenzene	U		1.01	5.00	10	05/17/2021 18:28	WG1672154
tert-Butylbenzene	U		0.620	2.00	10	05/17/2021 18:28	WG1672154
Carbon tetrachloride	U		0.432	2.00	10	05/17/2021 18:28	WG1672154
Chlorobenzene	U		0.229	1.00	10	05/17/2021 18:28	WG1672154
Chlorodibromomethane	U		0.180	1.00	10	05/17/2021 18:28	WG1672154
Chloroethane	U		0.432	2.00	10	05/17/2021 18:28	WG1672154
Chloroform	U		0.166	1.00	10	05/17/2021 18:28	WG1672154
Chloromethane	U		0.556	5.00	10	05/17/2021 18:28	WG1672154
2-Chlorotoluene	U		0.368	1.00	10	05/17/2021 18:28	WG1672154
4-Chlorotoluene	U		0.452	2.00	10	05/17/2021 18:28	WG1672154
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	05/17/2021 18:28	WG1672154
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2021 18:28	WG1672154
Dibromomethane	U		0.400	2.00	10	05/17/2021 18:28	WG1672154
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2021 18:28	WG1672154
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2021 18:28	WG1672154
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2021 18:28	WG1672154
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2021 18:28	WG1672154
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2021 18:28	WG1672154
1,2-Dichloroethane	0.320	J	0.190	1.00	10	05/17/2021 18:28	WG1672154
1,1-Dichloroethene	1.92		0.200	1.00	10	05/17/2021 18:28	WG1672154
cis-1,2-Dichloroethene	334		0.276	1.00	10	05/17/2021 18:28	WG1672154
trans-1,2-Dichloroethene	2.27		0.572	2.00	10	05/17/2021 18:28	WG1672154
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2021 18:28	WG1672154

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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	05/17/2021 18:28	WG1672154
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2021 18:28	WG1672154
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2021 18:28	WG1672154
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2021 18:28	WG1672154
2,2-Dichloropropane	U		0.317	1.00	10	05/17/2021 18:28	WG1672154
Di-isopropyl ether	U		0.140	0.400	10	05/17/2021 18:28	WG1672154
Ethylbenzene	U		0.212	1.00	10	05/17/2021 18:28	WG1672154
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2021 18:28	WG1672154
Isopropylbenzene	U		0.345	1.00	10	05/17/2021 18:28	WG1672154
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2021 18:28	WG1672154
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2021 18:28	WG1672154
Methylene Chloride	U		2.65	10.0	10	05/17/2021 18:28	WG1672154
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2021 18:28	WG1672154
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2021 18:28	WG1672154
Naphthalene	U		1.24	5.00	10	05/17/2021 18:28	WG1672154
n-Propylbenzene	U		0.472	2.00	10	05/17/2021 18:28	WG1672154
Styrene	U		1.09	5.00	10	05/17/2021 18:28	WG1672154
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2021 18:28	WG1672154
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2021 18:28	WG1672154
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2021 18:28	WG1672154
Tetrachloroethene	484		0.280	1.00	10	05/17/2021 18:28	WG1672154
Toluene	0.730	U	0.500	2.00	10	05/17/2021 18:28	WG1672154
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/17/2021 18:28	WG1672154
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/17/2021 18:28	WG1672154
1,1,1-Trichloroethane	U		0.110	1.00	10	05/17/2021 18:28	WG1672154
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2021 18:28	WG1672154
Trichloroethene	214		0.160	0.400	10	05/17/2021 18:28	WG1672154
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2021 18:28	WG1672154
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2021 18:28	WG1672154
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2021 18:28	WG1672154
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/18/2021 18:40	WG1672815
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2021 18:28	WG1672154
Vinyl chloride	U		0.273	1.00	10	05/17/2021 18:28	WG1672154
Xylenes, Total	U		1.91	2.60	10	05/17/2021 18:28	WG1672154
Ethyl Ether	U		0.170	1.00	10	05/17/2021 18:28	WG1672154
Tetrahydrofuran	1.50	U	0.900	5.00	10	05/17/2021 18:28	WG1672154
Iodomethane	U		2.42	5.00	10	05/17/2021 18:28	WG1672154
Allyl chloride	U		5.80	10.0	10	05/17/2021 18:28	WG1672154
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2021 18:28	WG1672154
(S) Toluene-d8	103			75.0-131		05/17/2021 18:28	WG1672154
(S) Toluene-d8	109			75.0-131		05/18/2021 18:40	WG1672815
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 18:28	WG1672154
(S) 4-Bromofluorobenzene	100			67.0-138		05/18/2021 18:40	WG1672815
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2021 18:28	WG1672154
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		05/18/2021 18:40	WG1672815

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	1350	J	594	5000	1	05/12/2021 07:03	WG1667047

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 date / time	Batch
TOC (Total Organic Carbon)	18700		102	1000	1	05/10/2021 00:51	WG1667220

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8900		28.1	100	1	05/17/2021 13:39	WG1671737
Manganese	910		0.704	5.00	1	05/17/2021 13:39	WG1671737

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	5960		0.287	0.678	1	05/07/2021 16:14	WG1665871
Ethane	U		0.296	1.29	1	05/07/2021 16:14	WG1665871
Ethene	785		0.422	1.27	1	05/07/2021 16:14	WG1665871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		54.8	100	100	05/16/2021 23:18	WG1671541
Acrylonitrile	U		7.60	50.0	100	05/16/2021 23:18	WG1671541
Benzene	U		1.60	4.00	100	05/16/2021 23:18	WG1671541
Bromobenzene	U		4.20	50.0	100	05/16/2021 23:18	WG1671541
Bromodichloromethane	U		3.15	10.0	100	05/16/2021 23:18	WG1671541
Bromoform	U		23.9	100	100	05/16/2021 23:18	WG1671541
Bromomethane	U		14.8	50.0	100	05/16/2021 23:18	WG1671541
n-Butylbenzene	U		15.3	50.0	100	05/16/2021 23:18	WG1671541
sec-Butylbenzene	U		10.1	50.0	100	05/16/2021 23:18	WG1671541
tert-Butylbenzene	U		6.20	20.0	100	05/16/2021 23:18	WG1671541
Carbon tetrachloride	U		4.32	20.0	100	05/16/2021 23:18	WG1671541
Chlorobenzene	U		2.29	10.0	100	05/16/2021 23:18	WG1671541
Chlorodibromomethane	U		1.80	10.0	100	05/16/2021 23:18	WG1671541
Chloroethane	U		4.32	20.0	100	05/16/2021 23:18	WG1671541
Chloroform	U		1.66	10.0	100	05/16/2021 23:18	WG1671541
Chloromethane	U		5.56	50.0	100	05/16/2021 23:18	WG1671541
2-Chlorotoluene	U		3.68	10.0	100	05/16/2021 23:18	WG1671541
4-Chlorotoluene	U		4.52	20.0	100	05/16/2021 23:18	WG1671541
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/16/2021 23:18	WG1671541
1,2-Dibromoethane	U		2.10	10.0	100	05/16/2021 23:18	WG1671541
Dibromomethane	U		4.00	20.0	100	05/16/2021 23:18	WG1671541
1,2-Dichlorobenzene	U		5.80	20.0	100	05/16/2021 23:18	WG1671541
1,3-Dichlorobenzene	U		6.80	20.0	100	05/16/2021 23:18	WG1671541
1,4-Dichlorobenzene	U		7.88	20.0	100	05/16/2021 23:18	WG1671541
Dichlorodifluoromethane	U		3.27	10.0	100	05/16/2021 23:18	WG1671541
1,1-Dichloroethane	U		2.30	10.0	100	05/16/2021 23:18	WG1671541
1,2-Dichloroethane	U		1.90	10.0	100	05/16/2021 23:18	WG1671541
1,1-Dichloroethene	U		2.00	10.0	100	05/16/2021 23:18	WG1671541
cis-1,2-Dichloroethene	1300		2.76	10.0	100	05/16/2021 23:18	WG1671541
trans-1,2-Dichloroethene	U		5.72	20.0	100	05/17/2021 23:12	WG1672154
1,2-Dichloropropane	U		5.08	20.0	100	05/16/2021 23:18	WG1671541

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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	05/16/2021 23:18	WG1671541
1,3-Dichloropropane	U		7.00	20.0	100	05/16/2021 23:18	WG1671541
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/16/2021 23:18	WG1671541
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/16/2021 23:18	WG1671541
2,2-Dichloropropane	U		3.17	10.0	100	05/16/2021 23:18	WG1671541
Di-isopropyl ether	U		1.40	4.00	100	05/16/2021 23:18	WG1671541
Ethylbenzene	U		2.12	10.0	100	05/16/2021 23:18	WG1671541
Hexachloro-1,3-butadiene	U		50.8	100	100	05/16/2021 23:18	WG1671541
Isopropylbenzene	U		3.45	10.0	100	05/16/2021 23:18	WG1671541
p-Isopropyltoluene	U		9.32	20.0	100	05/16/2021 23:18	WG1671541
2-Butanone (MEK)	U		50.0	100	100	05/16/2021 23:18	WG1671541
Methylene Chloride	U		26.5	100	100	05/16/2021 23:18	WG1671541
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/16/2021 23:18	WG1671541
Methyl tert-butyl ether	U		1.18	4.00	100	05/16/2021 23:18	WG1671541
Naphthalene	U		12.4	50.0	100	05/16/2021 23:18	WG1671541
n-Propylbenzene	U		4.72	20.0	100	05/16/2021 23:18	WG1671541
Styrene	U		10.9	50.0	100	05/16/2021 23:18	WG1671541
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/16/2021 23:18	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	1.56	10.0	100	05/16/2021 23:18	WG1671541
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/16/2021 23:18	WG1671541
Tetrachloroethene	U		2.80	10.0	100	05/17/2021 23:12	WG1672154
Toluene	U		5.00	20.0	100	05/16/2021 23:18	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	05/16/2021 23:18	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	05/16/2021 23:18	WG1671541
1,1,1-Trichloroethane	U		1.10	10.0	100	05/16/2021 23:18	WG1671541
1,1,2-Trichloroethane	U		3.53	10.0	100	05/16/2021 23:18	WG1671541
Trichloroethene	3.00	J	1.60	4.00	100	05/16/2021 23:18	WG1671541
Trichlorofluoromethane	U		2.00	10.0	100	05/16/2021 23:18	WG1671541
1,2,3-Trichloropropane	U		20.4	50.0	100	05/16/2021 23:18	WG1671541
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/16/2021 23:18	WG1671541
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/16/2021 23:18	WG1671541
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/16/2021 23:18	WG1671541
Vinyl chloride	2200		2.73	10.0	100	05/16/2021 23:18	WG1671541
Xylenes, Total	U		19.1	26.0	100	05/16/2021 23:18	WG1671541
Ethyl Ether	U		1.70	10.0	100	05/16/2021 23:18	WG1671541
Tetrahydrofuran	U	J3	9.00	50.0	100	05/16/2021 23:18	WG1671541
Iodomethane	U		24.2	50.0	100	05/16/2021 23:18	WG1671541
Allyl chloride	U		58.0	100	100	05/16/2021 23:18	WG1671541
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/16/2021 23:18	WG1671541
(S) Toluene-d8	100			75.0-131		05/16/2021 23:18	WG1671541
(S) Toluene-d8	103			75.0-131		05/17/2021 23:12	WG1672154
(S) 4-Bromofluorobenzene	105			67.0-138		05/16/2021 23:18	WG1671541
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2021 23:12	WG1672154
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/16/2021 23:18	WG1671541
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 23:12	WG1672154

Sample Narrative:

L1348405-06 WG1671541: Non-target compounds too high to run at a lower dilution.

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 date / time	Batch
Sulfate	5870		594	5000	1	05/12/2021 07:20	WG1667047

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	19000		102	1000	1	05/10/2021 01:04	WG1667220

Metals (ICPMS) by Method 6020B

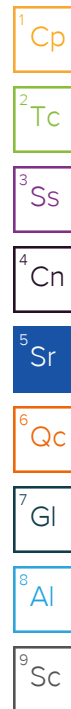
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6290		28.1	100	1	05/17/2021 13:42	WG1671737
Manganese	1110		0.704	5.00	1	05/17/2021 13:42	WG1671737

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	16100		2.87	6.78	10	05/07/2021 17:17	WG1666606
Ethane	U		0.296	1.29	1	05/07/2021 16:21	WG1665871
Ethene	1060		0.422	1.27	1	05/07/2021 16:21	WG1665871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		27.4	50.0	50	05/16/2021 23:37	WG1671541
Acrylonitrile	U		3.80	25.0	50	05/16/2021 23:37	WG1671541
Benzene	U		0.800	2.00	50	05/16/2021 23:37	WG1671541
Bromobenzene	U		2.10	25.0	50	05/16/2021 23:37	WG1671541
Bromodichloromethane	U		1.58	5.00	50	05/16/2021 23:37	WG1671541
Bromoform	U		12.0	50.0	50	05/16/2021 23:37	WG1671541
Bromomethane	U		7.40	25.0	50	05/16/2021 23:37	WG1671541
n-Butylbenzene	U		7.65	25.0	50	05/16/2021 23:37	WG1671541
sec-Butylbenzene	U		5.05	25.0	50	05/16/2021 23:37	WG1671541
tert-Butylbenzene	U		3.10	10.0	50	05/16/2021 23:37	WG1671541
Carbon tetrachloride	U		2.16	10.0	50	05/16/2021 23:37	WG1671541
Chlorobenzene	U		1.15	5.00	50	05/16/2021 23:37	WG1671541
Chlorodibromomethane	U		0.900	5.00	50	05/16/2021 23:37	WG1671541
Chloroethane	U		2.16	10.0	50	05/16/2021 23:37	WG1671541
Chloroform	U		0.830	5.00	50	05/16/2021 23:37	WG1671541
Chloromethane	U		2.78	25.0	50	05/16/2021 23:37	WG1671541
2-Chlorotoluene	U		1.84	5.00	50	05/16/2021 23:37	WG1671541
4-Chlorotoluene	U		2.26	10.0	50	05/16/2021 23:37	WG1671541
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	05/16/2021 23:37	WG1671541
1,2-Dibromoethane	U		1.05	5.00	50	05/16/2021 23:37	WG1671541
Dibromomethane	U		2.00	10.0	50	05/16/2021 23:37	WG1671541
1,2-Dichlorobenzene	U		2.90	10.0	50	05/16/2021 23:37	WG1671541
1,3-Dichlorobenzene	U		3.40	10.0	50	05/16/2021 23:37	WG1671541
1,4-Dichlorobenzene	U		3.94	10.0	50	05/16/2021 23:37	WG1671541
Dichlorodifluoromethane	U		1.64	5.00	50	05/16/2021 23:37	WG1671541
1,1-Dichloroethane	U		1.15	5.00	50	05/16/2021 23:37	WG1671541
1,2-Dichloroethane	U		0.950	5.00	50	05/16/2021 23:37	WG1671541
1,1-Dichloroethene	U		1.00	5.00	50	05/16/2021 23:37	WG1671541
cis-1,2-Dichloroethene	536		1.38	5.00	50	05/16/2021 23:37	WG1671541
trans-1,2-Dichloroethene	6.30	J	2.86	10.0	50	05/16/2021 23:37	WG1671541
1,2-Dichloropropane	U		2.54	10.0	50	05/16/2021 23:37	WG1671541



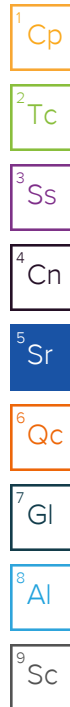
JC 6/10/2021

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		1.40	5.00	50	05/16/2021 23:37	WG1671541
1,3-Dichloropropane	U		3.50	10.0	50	05/16/2021 23:37	WG1671541
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/16/2021 23:37	WG1671541
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/16/2021 23:37	WG1671541
2,2-Dichloropropane	U		1.59	5.00	50	05/16/2021 23:37	WG1671541
Di-isopropyl ether	U		0.700	2.00	50	05/16/2021 23:37	WG1671541
Ethylbenzene	U		1.06	5.00	50	05/16/2021 23:37	WG1671541
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/16/2021 23:37	WG1671541
Isopropylbenzene	U		1.73	5.00	50	05/16/2021 23:37	WG1671541
p-Isopropyltoluene	U		4.66	10.0	50	05/16/2021 23:37	WG1671541
2-Butanone (MEK)	U		25.0	50.0	50	05/16/2021 23:37	WG1671541
Methylene Chloride	U		13.3	50.0	50	05/16/2021 23:37	WG1671541
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	05/16/2021 23:37	WG1671541
Methyl tert-butyl ether	U		0.590	2.00	50	05/16/2021 23:37	WG1671541
Naphthalene	U		6.20	25.0	50	05/16/2021 23:37	WG1671541
n-Propylbenzene	U		2.36	10.0	50	05/16/2021 23:37	WG1671541
Styrene	U		5.45	25.0	50	05/16/2021 23:37	WG1671541
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/16/2021 23:37	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.780	5.00	50	05/16/2021 23:37	WG1671541
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/16/2021 23:37	WG1671541
Tetrachloroethene	U		1.40	5.00	50	05/17/2021 23:30	WG1672154
Toluene	U		2.50	10.0	50	05/16/2021 23:37	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	05/16/2021 23:37	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	9.65	25.0	50	05/16/2021 23:37	WG1671541
1,1,1-Trichloroethane	U		0.550	5.00	50	05/16/2021 23:37	WG1671541
1,1,2-Trichloroethane	U		1.77	5.00	50	05/16/2021 23:37	WG1671541
Trichloroethene	U		0.800	2.00	50	05/16/2021 23:37	WG1671541
Trichlorofluoromethane	U		1.00	5.00	50	05/16/2021 23:37	WG1671541
1,2,3-Trichloropropane	U		10.2	25.0	50	05/16/2021 23:37	WG1671541
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/16/2021 23:37	WG1671541
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/16/2021 23:37	WG1671541
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/16/2021 23:37	WG1671541
Vinyl chloride	4310		1.36	5.00	50	05/16/2021 23:37	WG1671541
Xylenes, Total	U		9.55	13.0	50	05/16/2021 23:37	WG1671541
Ethyl Ether	U		0.850	5.00	50	05/16/2021 23:37	WG1671541
Tetrahydrofuran	U	J3	4.50	25.0	50	05/16/2021 23:37	WG1671541
Iodomethane	U		12.1	25.0	50	05/16/2021 23:37	WG1671541
Allyl chloride	U		29.0	50.0	50	05/16/2021 23:37	WG1671541
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	05/16/2021 23:37	WG1671541
(S) Toluene-d8	102			75.0-131		05/16/2021 23:37	WG1671541
(S) Toluene-d8	101			75.0-131		05/17/2021 23:30	WG1672154
(S) 4-Bromofluorobenzene	107			67.0-138		05/16/2021 23:37	WG1671541
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 23:30	WG1672154
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 23:37	WG1671541
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		05/17/2021 23:30	WG1672154

Sample Narrative:

L1348405-07 WG1671541: Non-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 date / time	Batch
Sulfate	21400		594	5000	1	05/17/2021 01:41	WG1671566

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11300		102	1000	1	05/12/2021 16:51	WG1669057

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6310		28.1	100	1	05/17/2021 20:47	WG1671810
Manganese	895		0.704	5.00	1	05/17/2021 20:47	WG1671810

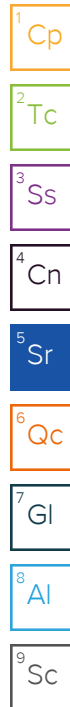
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	30100		5.74	13.6	20	05/11/2021 11:37	WG1668131
Ethane	561		0.296	1.29	1	05/10/2021 17:18	WG1667432
Ethene	2540		0.422	1.27	1	05/10/2021 17:18	WG1667432

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		110	200	200	05/16/2021 23:56	WG1671541
Acrylonitrile	U		15.2	100	200	05/16/2021 23:56	WG1671541
Benzene	U		3.20	8.00	200	05/16/2021 23:56	WG1671541
Bromobenzene	U		8.40	100	200	05/16/2021 23:56	WG1671541
Bromodichloromethane	U		6.30	20.0	200	05/16/2021 23:56	WG1671541
Bromoform	U		47.8	200	200	05/16/2021 23:56	WG1671541
Bromomethane	U		29.6	100	200	05/16/2021 23:56	WG1671541
n-Butylbenzene	U		30.6	100	200	05/16/2021 23:56	WG1671541
sec-Butylbenzene	U		20.2	100	200	05/16/2021 23:56	WG1671541
tert-Butylbenzene	U		12.4	40.0	200	05/16/2021 23:56	WG1671541
Carbon tetrachloride	U		8.64	40.0	200	05/16/2021 23:56	WG1671541
Chlorobenzene	U		4.58	20.0	200	05/16/2021 23:56	WG1671541
Chlorodibromomethane	U		3.60	20.0	200	05/16/2021 23:56	WG1671541
Chloroethane	47.6		8.64	40.0	200	05/16/2021 23:56	WG1671541
Chloroform	U		3.32	20.0	200	05/16/2021 23:56	WG1671541
Chloromethane	U		11.1	100	200	05/16/2021 23:56	WG1671541
2-Chlorotoluene	U		7.36	20.0	200	05/16/2021 23:56	WG1671541
4-Chlorotoluene	U		9.04	40.0	200	05/16/2021 23:56	WG1671541
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	05/16/2021 23:56	WG1671541
1,2-Dibromoethane	U		4.20	20.0	200	05/16/2021 23:56	WG1671541
Dibromomethane	U		8.00	40.0	200	05/16/2021 23:56	WG1671541
1,2-Dichlorobenzene	U		11.6	40.0	200	05/16/2021 23:56	WG1671541
1,3-Dichlorobenzene	U		13.6	40.0	200	05/16/2021 23:56	WG1671541
1,4-Dichlorobenzene	U		15.8	40.0	200	05/16/2021 23:56	WG1671541
Dichlorodifluoromethane	U		6.54	20.0	200	05/16/2021 23:56	WG1671541
1,1-Dichloroethane	U		4.60	20.0	200	05/16/2021 23:56	WG1671541
1,2-Dichloroethane	U		3.80	20.0	200	05/16/2021 23:56	WG1671541
1,1-Dichloroethene	38.2		4.00	20.0	200	05/16/2021 23:56	WG1671541
cis-1,2-Dichloroethene	11800		5.52	20.0	200	05/16/2021 23:56	WG1671541
trans-1,2-Dichloroethene	50.2		11.4	40.0	200	05/16/2021 23:56	WG1671541
1,2-Dichloropropane	U		10.2	40.0	200	05/16/2021 23:56	WG1671541

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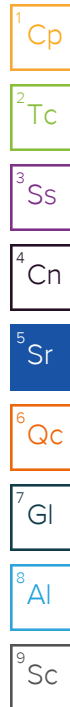


Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		5.60	20.0	200	05/16/2021 23:56	WG1671541
1,3-Dichloropropane	U		14.0	40.0	200	05/16/2021 23:56	WG1671541
cis-1,3-Dichloropropene	U		5.42	20.0	200	05/16/2021 23:56	WG1671541
trans-1,3-Dichloropropene	U		12.2	40.0	200	05/16/2021 23:56	WG1671541
2,2-Dichloropropane	U		6.34	20.0	200	05/16/2021 23:56	WG1671541
Di-isopropyl ether	U		2.80	8.00	200	05/16/2021 23:56	WG1671541
Ethylbenzene	U		4.24	20.0	200	05/16/2021 23:56	WG1671541
Hexachloro-1,3-butadiene	U		102	200	200	05/16/2021 23:56	WG1671541
Isopropylbenzene	U		6.90	20.0	200	05/16/2021 23:56	WG1671541
p-Isopropyltoluene	U		18.6	40.0	200	05/16/2021 23:56	WG1671541
2-Butanone (MEK)	U		100	200	200	05/16/2021 23:56	WG1671541
Methylene Chloride	U		53.0	200	200	05/16/2021 23:56	WG1671541
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	05/16/2021 23:56	WG1671541
Methyl tert-butyl ether	U		2.36	8.00	200	05/16/2021 23:56	WG1671541
Naphthalene	U		24.8	100	200	05/16/2021 23:56	WG1671541
n-Propylbenzene	U		9.44	40.0	200	05/16/2021 23:56	WG1671541
Styrene	U		21.8	100	200	05/16/2021 23:56	WG1671541
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	05/16/2021 23:56	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	3.12	20.0	200	05/16/2021 23:56	WG1671541
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	05/16/2021 23:56	WG1671541
Tetrachloroethene	10100		5.60	20.0	200	05/16/2021 23:56	WG1671541
Toluene	U		10.0	40.0	200	05/16/2021 23:56	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	5.00	100	200	05/16/2021 23:56	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	38.6	100	200	05/16/2021 23:56	WG1671541
1,1,1-Trichloroethane	U		2.20	20.0	200	05/16/2021 23:56	WG1671541
1,1,2-Trichloroethane	U		7.06	20.0	200	05/16/2021 23:56	WG1671541
Trichloroethene	2440		3.20	8.00	200	05/16/2021 23:56	WG1671541
Trichlorofluoromethane	U		4.00	20.0	200	05/16/2021 23:56	WG1671541
1,2,3-Trichloropropane	U		40.8	100	200	05/16/2021 23:56	WG1671541
1,2,4-Trimethylbenzene	U		9.28	40.0	200	05/16/2021 23:56	WG1671541
1,2,3-Trimethylbenzene	U		9.20	40.0	200	05/16/2021 23:56	WG1671541
1,3,5-Trimethylbenzene	U		8.64	40.0	200	05/16/2021 23:56	WG1671541
Vinyl chloride	4900		5.46	20.0	200	05/16/2021 23:56	WG1671541
Xylenes, Total	U		38.2	52.0	200	05/16/2021 23:56	WG1671541
Ethyl Ether	U		3.40	20.0	200	05/16/2021 23:56	WG1671541
Tetrahydrofuran	U	J3	18.0	100	200	05/16/2021 23:56	WG1671541
Iodomethane	U		48.4	100	200	05/16/2021 23:56	WG1671541
Allyl chloride	U		116	200	200	05/16/2021 23:56	WG1671541
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	05/16/2021 23:56	WG1671541
(S) Toluene-d8	98.6			75.0-131		05/16/2021 23:56	WG1671541
(S) 4-Bromofluorobenzene	110			67.0-138		05/16/2021 23:56	WG1671541
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 23:56	WG1671541

Sample Narrative:

L1349418-01 WG1671541: Non-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 date / time	Batch
Sulfate	U		594	5000	1	05/17/2021 01:57	WG1671566

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26600		102	1000	1	05/12/2021 17:09	WG1669057

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	14800		28.1	100	1	05/17/2021 20:51	WG1671810
Manganese	2720		0.704	5.00	1	05/17/2021 20:51	WG1671810

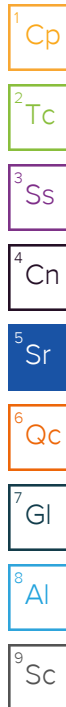
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	27400		5.74	13.6	20	05/11/2021 13:29	WG1668131
Ethane	544		0.296	1.29	1	05/10/2021 17:22	WG1667432
Ethene	2160		0.422	1.27	1	05/10/2021 17:22	WG1667432

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		11.0	20.0	20	05/17/2021 00:15	WG1671541
Acrylonitrile	U		1.52	10.0	20	05/17/2021 00:15	WG1671541
Benzene	U		0.320	0.800	20	05/17/2021 00:15	WG1671541
Bromobenzene	U		0.840	10.0	20	05/17/2021 00:15	WG1671541
Bromodichloromethane	U		0.630	2.00	20	05/17/2021 00:15	WG1671541
Bromoform	U		4.78	20.0	20	05/17/2021 00:15	WG1671541
Bromomethane	U		2.96	10.0	20	05/17/2021 00:15	WG1671541
n-Butylbenzene	U		3.06	10.0	20	05/17/2021 00:15	WG1671541
sec-Butylbenzene	U		2.02	10.0	20	05/17/2021 00:15	WG1671541
tert-Butylbenzene	U		1.24	4.00	20	05/17/2021 00:15	WG1671541
Carbon tetrachloride	U		0.864	4.00	20	05/17/2021 00:15	WG1671541
Chlorobenzene	U		0.458	2.00	20	05/17/2021 00:15	WG1671541
Chlorodibromomethane	U		0.360	2.00	20	05/17/2021 00:15	WG1671541
Chloroethane	U		0.864	4.00	20	05/17/2021 00:15	WG1671541
Chloroform	U		0.332	2.00	20	05/17/2021 00:15	WG1671541
Chloromethane	U		1.11	10.0	20	05/17/2021 00:15	WG1671541
2-Chlorotoluene	U		0.736	2.00	20	05/17/2021 00:15	WG1671541
4-Chlorotoluene	U		0.904	4.00	20	05/17/2021 00:15	WG1671541
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	05/17/2021 00:15	WG1671541
1,2-Dibromoethane	U		0.420	2.00	20	05/17/2021 00:15	WG1671541
Dibromomethane	U		0.800	4.00	20	05/17/2021 00:15	WG1671541
1,2-Dichlorobenzene	U		1.16	4.00	20	05/17/2021 00:15	WG1671541
1,3-Dichlorobenzene	U		1.36	4.00	20	05/17/2021 00:15	WG1671541
1,4-Dichlorobenzene	U		1.58	4.00	20	05/17/2021 00:15	WG1671541
Dichlorodifluoromethane	U		0.654	2.00	20	05/17/2021 00:15	WG1671541
1,1-Dichloroethane	U		0.460	2.00	20	05/17/2021 00:15	WG1671541
1,2-Dichloroethane	U		0.380	2.00	20	05/17/2021 00:15	WG1671541
1,1-Dichloroethene	3.66		0.400	2.00	20	05/17/2021 00:15	WG1671541
cis-1,2-Dichloroethene	1620		0.552	2.00	20	05/17/2021 00:15	WG1671541
trans-1,2-Dichloroethene	33.6		1.14	4.00	20	05/17/2021 00:15	WG1671541
1,2-Dichloropropane	U		1.02	4.00	20	05/17/2021 00:15	WG1671541

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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		0.560	2.00	20	05/17/2021 00:15	WG1671541
1,3-Dichloropropane	U		1.40	4.00	20	05/17/2021 00:15	WG1671541
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/17/2021 00:15	WG1671541
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/17/2021 00:15	WG1671541
2,2-Dichloropropane	U		0.634	2.00	20	05/17/2021 00:15	WG1671541
Di-isopropyl ether	U		0.280	0.800	20	05/17/2021 00:15	WG1671541
Ethylbenzene	U		0.424	2.00	20	05/17/2021 00:15	WG1671541
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/17/2021 00:15	WG1671541
Isopropylbenzene	U		0.690	2.00	20	05/17/2021 00:15	WG1671541
p-Isopropyltoluene	U		1.86	4.00	20	05/17/2021 00:15	WG1671541
2-Butanone (MEK)	U		10.0	20.0	20	05/17/2021 00:15	WG1671541
Methylene Chloride	U		5.30	20.0	20	05/17/2021 00:15	WG1671541
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/17/2021 00:15	WG1671541
Methyl tert-butyl ether	U		0.236	0.800	20	05/17/2021 00:15	WG1671541
Naphthalene	U		2.48	10.0	20	05/17/2021 00:15	WG1671541
n-Propylbenzene	U		0.944	4.00	20	05/17/2021 00:15	WG1671541
Styrene	U		2.18	10.0	20	05/17/2021 00:15	WG1671541
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/17/2021 00:15	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.312	2.00	20	05/17/2021 00:15	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/17/2021 00:15	WG1671541
Tetrachloroethene	10.3		0.560	2.00	20	05/17/2021 00:15	WG1671541
Toluene	U		1.00	4.00	20	05/17/2021 00:15	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.500	10.0	20	05/17/2021 00:15	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	3.86	10.0	20	05/17/2021 00:15	WG1671541
1,1,1-Trichloroethane	U		0.220	2.00	20	05/17/2021 00:15	WG1671541
1,1,2-Trichloroethane	U		0.706	2.00	20	05/17/2021 00:15	WG1671541
Trichloroethene	U		0.320	0.800	20	05/17/2021 00:15	WG1671541
Trichlorofluoromethane	U		0.400	2.00	20	05/17/2021 00:15	WG1671541
1,2,3-Trichloropropane	U		4.08	10.0	20	05/17/2021 00:15	WG1671541
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/17/2021 00:15	WG1671541
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/17/2021 00:15	WG1671541
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/17/2021 00:15	WG1671541
Vinyl chloride	2680		6.82	25.0	250	05/17/2021 23:49	WG1672154
Xylenes, Total	U		3.82	5.20	20	05/17/2021 00:15	WG1671541
Ethyl Ether	U		0.340	2.00	20	05/17/2021 00:15	WG1671541
Tetrahydrofuran	U	J3	1.80	10.0	20	05/17/2021 00:15	WG1671541
Iodomethane	U		4.84	10.0	20	05/17/2021 00:15	WG1671541
Allyl chloride	U		11.6	20.0	20	05/17/2021 00:15	WG1671541
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/17/2021 00:15	WG1671541
(S) Toluene-d8	99.5			75.0-131		05/17/2021 00:15	WG1671541
(S) Toluene-d8	103			75.0-131		05/17/2021 23:49	WG1672154
(S) 4-Bromofluorobenzene	111			67.0-138		05/17/2021 00:15	WG1671541
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 23:49	WG1672154
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/17/2021 00:15	WG1671541
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 23:49	WG1672154

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	U		594	5000	1	05/17/2021 02:14	WG1671566

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 date / time	Batch
TOC (Total Organic Carbon)	57800		102	1000	1	05/12/2021 18:01	WG1669057

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9200		28.1	100	1	05/17/2021 20:54	WG1671810
Manganese	2190		0.704	5.00	1	05/17/2021 20:54	WG1671810

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	28800		5.74	13.6	20	05/11/2021 13:33	WG1668131
Ethane	20.0		0.296	1.29	1	05/10/2021 17:31	WG1667432
Ethene	675		0.422	1.27	1	05/10/2021 17:31	WG1667432

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	~~J3 J4~~	137	250	250	05/18/2021 00:08	WG1672154
Acrylonitrile	U	~~J3 J4~~	19.0	125	250	05/18/2021 00:08	WG1672154
Benzene	U		4.00	10.0	250	05/18/2021 00:08	WG1672154
Bromobenzene	U		10.5	125	250	05/18/2021 00:08	WG1672154
Bromodichloromethane	U		7.88	25.0	250	05/18/2021 19:01	WG1672815
Bromoform	U		59.8	250	250	05/18/2021 00:08	WG1672154
Bromomethane	U		37.0	125	250	05/18/2021 00:08	WG1672154
n-Butylbenzene	U	UJ C3	38.3	125	250	05/18/2021 00:08	WG1672154
sec-Butylbenzene	U		25.3	125	250	05/18/2021 00:08	WG1672154
tert-Butylbenzene	U	UJ C3	15.5	50.0	250	05/18/2021 00:08	WG1672154
Carbon tetrachloride	U		10.8	50.0	250	05/18/2021 00:08	WG1672154
Chlorobenzene	U		5.73	25.0	250	05/18/2021 00:08	WG1672154
Chlorodibromomethane	U		4.50	25.0	250	05/18/2021 00:08	WG1672154
Chloroethane	U	UJ C3	10.8	50.0	250	05/18/2021 00:08	WG1672154
Chloroform	U		4.15	25.0	250	05/18/2021 00:08	WG1672154
Chloromethane	U		13.9	125	250	05/18/2021 00:08	WG1672154
2-Chlorotoluene	U		9.20	25.0	250	05/18/2021 00:08	WG1672154
4-Chlorotoluene	U	UJ C3	11.3	50.0	250	05/18/2021 00:08	WG1672154
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	05/18/2021 00:08	WG1672154
1,2-Dibromoethane	U		5.25	25.0	250	05/18/2021 00:08	WG1672154
Dibromomethane	U		10.0	50.0	250	05/18/2021 00:08	WG1672154
1,2-Dichlorobenzene	U		14.5	50.0	250	05/18/2021 00:08	WG1672154
1,3-Dichlorobenzene	U		17.0	50.0	250	05/18/2021 00:08	WG1672154
1,4-Dichlorobenzene	U		19.7	50.0	250	05/18/2021 00:08	WG1672154
Dichlorodifluoromethane	U		8.18	25.0	250	05/18/2021 00:08	WG1672154
1,1-Dichloroethane	U		5.75	25.0	250	05/18/2021 00:08	WG1672154
1,2-Dichloroethane	U		4.75	25.0	250	05/18/2021 00:08	WG1672154
1,1-Dichloroethene	U		5.00	25.0	250	05/18/2021 00:08	WG1672154
cis-1,2-Dichloroethene	4960		6.90	25.0	250	05/18/2021 00:08	WG1672154
trans-1,2-Dichloroethene	29.5	J	14.3	50.0	250	05/18/2021 00:08	WG1672154
1,2-Dichloropropane	U		12.7	50.0	250	05/18/2021 00:08	WG1672154

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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	05/18/2021 00:08	WG1672154
1,3-Dichloropropane	U		17.5	50.0	250	05/18/2021 00:08	WG1672154
cis-1,3-Dichloropropene	U		6.78	25.0	250	05/18/2021 00:08	WG1672154
trans-1,3-Dichloropropene	U		15.3	50.0	250	05/18/2021 00:08	WG1672154
2,2-Dichloropropane	U		7.93	25.0	250	05/18/2021 00:08	WG1672154
Di-isopropyl ether	U		3.50	10.0	250	05/18/2021 00:08	WG1672154
Ethylbenzene	U		5.30	25.0	250	05/18/2021 00:08	WG1672154
Hexachloro-1,3-butadiene	U		127	250	250	05/18/2021 00:08	WG1672154
Isopropylbenzene	U		8.63	25.0	250	05/18/2021 00:08	WG1672154
p-Isopropyltoluene	U		23.3	50.0	250	05/18/2021 00:08	WG1672154
2-Butanone (MEK)	U		125	250	250	05/18/2021 00:08	WG1672154
Methylene Chloride	U		66.3	250	250	05/18/2021 00:08	WG1672154
4-Methyl-2-pentanone (MIBK)	U		100	250	250	05/18/2021 00:08	WG1672154
Methyl tert-butyl ether	U		2.95	10.0	250	05/18/2021 00:08	WG1672154
Naphthalene	U		31.0	125	250	05/18/2021 00:08	WG1672154
n-Propylbenzene	U	UJ C3	11.8	50.0	250	05/18/2021 00:08	WG1672154
Styrene	U		27.3	125	250	05/18/2021 00:08	WG1672154
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	05/18/2021 00:08	WG1672154
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	05/18/2021 00:08	WG1672154
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	05/18/2021 00:08	WG1672154
Tetrachloroethene	U		7.00	25.0	250	05/18/2021 00:08	WG1672154
Toluene	U		12.5	50.0	250	05/18/2021 00:08	WG1672154
1,2,3-Trichlorobenzene	U		6.25	125	250	05/18/2021 00:08	WG1672154
1,2,4-Trichlorobenzene	U		48.3	125	250	05/18/2021 00:08	WG1672154
1,1,1-Trichloroethane	U		2.75	25.0	250	05/18/2021 00:08	WG1672154
1,1,2-Trichloroethane	U		8.83	25.0	250	05/18/2021 00:08	WG1672154
Trichloroethene	21.3		4.00	10.0	250	05/18/2021 00:08	WG1672154
Trichlorofluoromethane	U		5.00	25.0	250	05/18/2021 00:08	WG1672154
1,2,3-Trichloropropane	U		51.0	125	250	05/18/2021 00:08	WG1672154
1,2,4-Trimethylbenzene	U	UJ C3	11.6	50.0	250	05/18/2021 00:08	WG1672154
1,2,3-Trimethylbenzene	U		11.5	50.0	250	05/18/2021 19:01	WG1672815
1,3,5-Trimethylbenzene	U		10.8	50.0	250	05/18/2021 00:08	WG1672154
Vinyl chloride	5860		6.82	25.0	250	05/18/2021 00:08	WG1672154
Xylenes, Total	U		47.8	65.0	250	05/18/2021 00:08	WG1672154
Ethyl Ether	U		4.25	25.0	250	05/18/2021 00:08	WG1672154
Tetrahydrofuran	U		22.5	125	250	05/18/2021 00:08	WG1672154
Iodomethane	U		60.5	125	250	05/18/2021 00:08	WG1672154
Allyl chloride	U		145	250	250	05/18/2021 00:08	WG1672154
Trans-1,4-Dichloro-2-butene	U	UJ C3	14.0	50.0	250	05/18/2021 00:08	WG1672154
(S) Toluene-d8	101			75.0-131		05/18/2021 00:08	WG1672154
(S) Toluene-d8	99.9			75.0-131		05/18/2021 19:01	WG1672815
(S) 4-Bromofluorobenzene	104			67.0-138		05/18/2021 00:08	WG1672154
(S) 4-Bromofluorobenzene	97.7			67.0-138		05/18/2021 19:01	WG1672815
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/18/2021 00:08	WG1672154
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		05/18/2021 19:01	WG1672815

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	05/16/2021 20:28	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 20:28	WG1671541
Benzene	U		0.0160	0.0400	1	05/16/2021 20:28	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 20:28	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 20:28	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 20:28	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 20:28	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 20:28	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 20:28	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 20:28	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 20:28	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 20:28	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 20:28	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 20:28	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 20:28	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 20:28	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 20:28	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 20:28	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 20:28	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 20:28	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 20:28	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 20:28	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 20:28	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 20:28	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 20:28	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 20:28	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 20:28	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 20:28	WG1671541
cis-1,2-Dichloroethene	0.816		0.0276	0.100	1	05/16/2021 20:28	WG1671541
trans-1,2-Dichloroethene	2.73		0.0572	0.200	1	05/16/2021 20:28	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 20:28	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 20:28	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 20:28	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 20:28	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 20:28	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 20:28	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 20:28	WG1671541
Ethylbenzene	0.0570	U	0.0212	0.100	1	05/16/2021 20:28	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 20:28	WG1671541
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 20:28	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 20:28	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 20:28	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 20:28	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 20:28	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 20:28	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 20:28	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 20:28	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 20:28	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 20:28	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 20:28	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 20:28	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 20:28	WG1671541
Toluene	0.350		0.0500	0.200	1	05/16/2021 20:28	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 20:28	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 20:28	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 20:28	WG1671541



JC 6/28/2021

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/16/2021 20:28	WG1671541
Trichloroethene	0.0320	<u>U</u>	0.0160	0.0400	1	05/16/2021 20:28	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 20:28	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 20:28	WG1671541
1,2,4-Trimethylbenzene	0.0830	<u>U</u>	0.0464	0.200	1	05/16/2021 20:28	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 20:28	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 20:28	WG1671541
Vinyl chloride	0.858		0.0273	0.100	1	05/16/2021 20:28	WG1671541
Xylenes, Total	0.385		0.191	0.260	1	05/16/2021 20:28	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 20:28	WG1671541
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	05/16/2021 20:28	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 20:28	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 20:28	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 20:28	WG1671541
(S) Toluene-d8	100			75.0-131		05/16/2021 20:28	WG1671541
(S) 4-Bromofluorobenzene	112			67.0-138		05/16/2021 20:28	WG1671541
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/16/2021 20:28	WG1671541

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

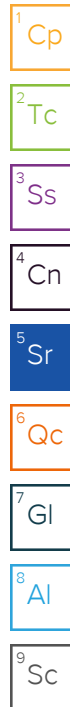
8 Al

9 Sc

JC 6/28/2021

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.78	U	0.548	1.00	1	05/16/2021 20:47	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 20:47	WG1671541
Benzene	0.199		0.0160	0.0400	1	05/16/2021 20:47	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 20:47	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 20:47	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 20:47	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 20:47	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 20:47	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 20:47	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 20:47	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 20:47	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 20:47	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 20:47	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 20:47	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 20:47	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 20:47	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 20:47	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 20:47	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 20:47	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 20:47	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 20:47	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 20:47	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 20:47	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 20:47	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 20:47	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 20:47	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 20:47	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 20:47	WG1671541
cis-1,2-Dichloroethene	0.142	U	0.0276	0.100	1	05/16/2021 20:47	WG1671541
trans-1,2-Dichloroethene	2.68		0.0572	0.200	1	05/16/2021 20:47	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 20:47	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 20:47	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 20:47	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 20:47	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 20:47	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 20:47	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 20:47	WG1671541
Ethylbenzene	U		0.0212	0.100	1	05/16/2021 20:47	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 20:47	WG1671541
Isopropylbenzene	0.106		0.0345	0.100	1	05/16/2021 20:47	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 20:47	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 20:47	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 20:47	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 20:47	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 20:47	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 20:47	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 20:47	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 20:47	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 20:47	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 20:47	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 20:47	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 20:47	WG1671541
Toluene	0.192	U J	0.0500	0.200	1	05/16/2021 20:47	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 20:47	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 20:47	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 20:47	WG1671541



JC 6/28/2021

MW-173-050521

SAMPLE RESULTS - 02

Collected date/time: 05/05/21 11:10

L1349957

Volatile Organic 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	05/16/2021 20:47	WG1671541
Trichloroethene	0.0530		0.0160	0.0400	1	05/16/2021 20:47	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 20:47	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 20:47	WG1671541
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/16/2021 20:47	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 20:47	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 20:47	WG1671541
Vinyl chloride	15.8		0.0273	0.100	1	05/16/2021 20:47	WG1671541
Xylenes, Total	0.229	<u>U</u>	0.191	0.260	1	05/16/2021 20:47	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 20:47	WG1671541
Tetrahydrofuran	9.19		0.0900	0.500	1	05/17/2021 22:34	WG1672154
Iodomethane	U		0.242	0.500	1	05/16/2021 20:47	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 20:47	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 20:47	WG1671541
(S) Toluene-d8	102			75.0-131		05/16/2021 20:47	WG1671541
(S) Toluene-d8	101			75.0-131		05/17/2021 22:34	WG1672154
(S) 4-Bromofluorobenzene	106			67.0-138		05/16/2021 20:47	WG1671541
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 22:34	WG1672154
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 20:47	WG1671541
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 22:34	WG1672154

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

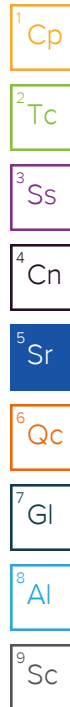
8 Al

9 Sc

JC 6/28/2021

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/16/2021 21:06	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 21:06	WG1671541
Benzene	0.0270	J	0.0160	0.0400	1	05/16/2021 21:06	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 21:06	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 21:06	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 21:06	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 21:06	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 21:06	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 21:06	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 21:06	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 21:06	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 21:06	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 21:06	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 21:06	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 21:06	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 21:06	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 21:06	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 21:06	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 21:06	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 21:06	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 21:06	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 21:06	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 21:06	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 21:06	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 21:06	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 21:06	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 21:06	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 21:06	WG1671541
cis-1,2-Dichloroethene	0.305		0.0276	0.100	1	05/16/2021 21:06	WG1671541
trans-1,2-Dichloroethene	3.60		0.0572	0.200	1	05/16/2021 21:06	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 21:06	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 21:06	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 21:06	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 21:06	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 21:06	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 21:06	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 21:06	WG1671541
Ethylbenzene	0.0570	J	0.0212	0.100	1	05/16/2021 21:06	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 21:06	WG1671541
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 21:06	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 21:06	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 21:06	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 21:06	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 21:06	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 21:06	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 21:06	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 21:06	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 21:06	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 21:06	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 21:06	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 21:06	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 21:06	WG1671541
Toluene	0.307		0.0500	0.200	1	05/16/2021 21:06	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 21:06	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 21:06	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 21:06	WG1671541



JC 6/28/2021

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

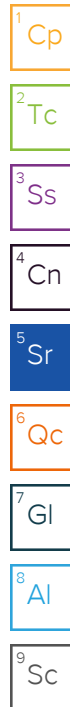
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/16/2021 21:06	WG1671541
Trichloroethene	0.0240	<u>U</u>	0.0160	0.0400	1	05/16/2021 21:06	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 21:06	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 21:06	WG1671541
1,2,4-Trimethylbenzene	0.0820	<u>U</u>	0.0464	0.200	1	05/16/2021 21:06	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 21:06	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 21:06	WG1671541
Vinyl chloride	1.12		0.0273	0.100	1	05/16/2021 21:06	WG1671541
Xylenes, Total	0.398		0.191	0.260	1	05/16/2021 21:06	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 21:06	WG1671541
Tetrahydrofuran	U	<u>U3</u>	0.0900	0.500	1	05/16/2021 21:06	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 21:06	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 21:06	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 21:06	WG1671541
(S) Toluene-d8	99.6			75.0-131		05/16/2021 21:06	WG1671541
(S) 4-Bromofluorobenzene	107			67.0-138		05/16/2021 21:06	WG1671541
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 21:06	WG1671541

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

JC 6/28/2021

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

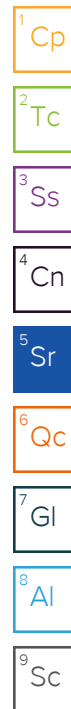
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch		
	ug/l		ug/l	ug/l		date / time			
Acetone	U		0.548	1.00	1	05/16/2021 21:25	WG1671541		
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 21:25	WG1671541		
Benzene	U		0.0160	0.0400	1	05/16/2021 21:25	WG1671541		
Bromobenzene	U		0.0420	0.500	1	05/16/2021 21:25	WG1671541		
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 21:25	WG1671541		
Bromoform	U		0.239	1.00	1	05/16/2021 21:25	WG1671541		
Bromomethane	U		0.148	0.500	1	05/16/2021 21:25	WG1671541		
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 21:25	WG1671541		
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 21:25	WG1671541		
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 21:25	WG1671541		
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 21:25	WG1671541		
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 21:25	WG1671541		
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 21:25	WG1671541		
Chloroethane	0.341		0.0432	0.200	1	05/16/2021 21:25	WG1671541		
Chloroform	U		0.0166	0.100	1	05/16/2021 21:25	WG1671541		
Chloromethane	U		0.0556	0.500	1	05/16/2021 21:25	WG1671541		
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 21:25	WG1671541		
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 21:25	WG1671541		
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 21:25	WG1671541		
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 21:25	WG1671541		
Dibromomethane	U		0.0400	0.200	1	05/16/2021 21:25	WG1671541		
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 21:25	WG1671541		
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 21:25	WG1671541		
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 21:25	WG1671541		
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 21:25	WG1671541		
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 21:25	WG1671541		
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 21:25	WG1671541		
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 21:25	WG1671541		
cis-1,2-Dichloroethene	0.245		0.0276	0.100	1	05/16/2021 21:25	WG1671541		
trans-1,2-Dichloroethene	0.911		0.0572	0.200	1	05/16/2021 21:25	WG1671541		
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 21:25	WG1671541		
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 21:25	WG1671541		
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 21:25	WG1671541		
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 21:25	WG1671541		
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 21:25	WG1671541		
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 21:25	WG1671541		
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 21:25	WG1671541		
Ethylbenzene	U		0.0212	0.100	1	05/16/2021 21:25	WG1671541		
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 21:25	WG1671541		
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 21:25	WG1671541		
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 21:25	WG1671541		
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 21:25	WG1671541		
Methylene Chloride	U		0.265	1.00	1	05/16/2021 21:25	WG1671541		
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 21:25	WG1671541		
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 21:25	WG1671541		
Naphthalene	U		0.124	0.500	1	05/16/2021 21:25	WG1671541		
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 21:25	WG1671541		
Styrene	U		0.109	0.500	1	05/16/2021 21:25	WG1671541		
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 21:25	WG1671541		
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.0156	0.100	1	05/16/2021 21:25	WG1671541	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 21:25	WG1671541		
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 21:25	WG1671541		
Toluene	U		0.0500	0.200	1	05/16/2021 21:25	WG1671541	JC 6/28/2021	
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	05/16/2021 21:25		WG1671541
1,2,4-Trichlorobenzene	U	UJ	C4	0.193	0.500	1	05/16/2021 21:25		WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 21:25	WG1671541		



JC 6/28/2021

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/16/2021 21:25	WG1671541
Trichloroethene	0.102		0.0160	0.0400	1	05/16/2021 21:25	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 21:25	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 21:25	WG1671541
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/16/2021 21:25	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 21:25	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 21:25	WG1671541
Vinyl chloride	1.85		0.0273	0.100	1	05/16/2021 21:25	WG1671541
Xylenes, Total	U		0.191	0.260	1	05/16/2021 21:25	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 21:25	WG1671541
Tetrahydrofuran	U	<u>13</u>	0.0900	0.500	1	05/16/2021 21:25	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 21:25	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 21:25	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 21:25	WG1671541
(S) Toluene-d8	100			75.0-131		05/16/2021 21:25	WG1671541
(S) 4-Bromofluorobenzene	106			67.0-138		05/16/2021 21:25	WG1671541
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 21:25	WG1671541



JC 6/28/2021

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.23		0.548	1.00	1	05/16/2021 21:44	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 21:44	WG1671541
Benzene	0.0250	J	0.0160	0.0400	1	05/16/2021 21:44	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 21:44	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 21:44	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 21:44	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 21:44	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 21:44	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 21:44	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 21:44	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 21:44	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 21:44	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 21:44	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 21:44	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 21:44	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 21:44	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 21:44	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 21:44	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 21:44	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 21:44	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 21:44	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 21:44	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 21:44	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 21:44	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 21:44	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 21:44	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 21:44	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 21:44	WG1671541
cis-1,2-Dichloroethene	0.353		0.0276	0.100	1	05/16/2021 21:44	WG1671541
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/16/2021 21:44	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 21:44	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 21:44	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 21:44	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 21:44	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 21:44	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 21:44	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 21:44	WG1671541
Ethylbenzene	0.0920	J	0.0212	0.100	1	05/16/2021 21:44	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 21:44	WG1671541
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 21:44	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 21:44	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 21:44	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 21:44	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 21:44	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 21:44	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 21:44	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 21:44	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 21:44	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 21:44	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 21:44	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 21:44	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 21:44	WG1671541
Toluene	0.544		0.0500	0.200	1	05/16/2021 21:44	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 21:44	WG1671541 JC 6/28/2021
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 21:44	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 21:44	WG1671541

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

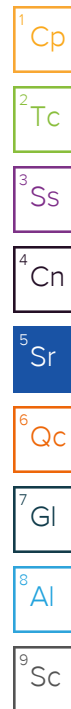
7 Gl

8 Al

9 Sc

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

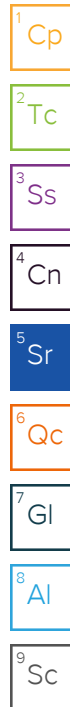
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/16/2021 21:44	WG1671541
Trichloroethene	U		0.0160	0.0400	1	05/16/2021 21:44	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 21:44	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 21:44	WG1671541
1,2,4-Trimethylbenzene	0.124	J	0.0464	0.200	1	05/16/2021 21:44	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 21:44	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 21:44	WG1671541
Vinyl chloride	1.06		0.0273	0.100	1	05/16/2021 21:44	WG1671541
Xylenes, Total	0.565		0.191	0.260	1	05/16/2021 21:44	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 21:44	WG1671541
Tetrahydrofuran	U	J3	0.0900	0.500	1	05/16/2021 21:44	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 21:44	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 21:44	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 21:44	WG1671541
(S) Toluene-d8	101			75.0-131		05/16/2021 21:44	WG1671541
(S) 4-Bromofluorobenzene	106			67.0-138		05/16/2021 21:44	WG1671541
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/16/2021 21:44	WG1671541



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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	U		0.548	1.00	1	05/16/2021 22:03	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 22:03	WG1671541
Benzene	0.0210	J	0.0160	0.0400	1	05/16/2021 22:03	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 22:03	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 22:03	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 22:03	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 22:03	WG1671541
n-Butylbenzene	U		0.153	0.500	1	05/16/2021 22:03	WG1671541
sec-Butylbenzene	U		0.101	0.500	1	05/16/2021 22:03	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 22:03	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 22:03	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 22:03	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 22:03	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 22:03	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 22:03	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 22:03	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 22:03	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 22:03	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 22:03	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 22:03	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 22:03	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 22:03	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 22:03	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 22:03	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 22:03	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 22:03	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 22:03	WG1671541
1,1-Dichloroethene	U		0.0200	0.100	1	05/16/2021 22:03	WG1671541
cis-1,2-Dichloroethene	1.29		0.0276	0.100	1	05/16/2021 22:03	WG1671541
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/16/2021 22:03	WG1671541
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 22:03	WG1671541
1,1-Dichloropropene	U		0.0280	0.100	1	05/16/2021 22:03	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 22:03	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 22:03	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 22:03	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 22:03	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 22:03	WG1671541
Ethylbenzene	0.0970	J	0.0212	0.100	1	05/16/2021 22:03	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 22:03	WG1671541
Isopropylbenzene	U		0.0345	0.100	1	05/16/2021 22:03	WG1671541
p-Isopropyltoluene	U		0.0932	0.200	1	05/16/2021 22:03	WG1671541
2-Butanone (MEK)	U		0.500	1.00	1	05/16/2021 22:03	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 22:03	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 22:03	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 22:03	WG1671541
Naphthalene	U		0.124	0.500	1	05/16/2021 22:03	WG1671541
n-Propylbenzene	U		0.0472	0.200	1	05/16/2021 22:03	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 22:03	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 22:03	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 22:03	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 22:03	WG1671541
Tetrachloroethene	U		0.0280	0.100	1	05/16/2021 22:03	WG1671541
Toluene	0.667		0.0500	0.200	1	05/16/2021 22:03	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 22:03	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 22:03	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 22:03	WG1671541



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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	05/16/2021 22:03	WG1671541
Trichloroethene	0.0320	U	0.0160	0.0400	1	05/16/2021 22:03	WG1671541
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 22:03	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 22:03	WG1671541
1,2,4-Trimethylbenzene	0.112	U	0.0464	0.200	1	05/16/2021 22:03	WG1671541
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/16/2021 22:03	WG1671541
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/16/2021 22:03	WG1671541
Vinyl chloride	0.185		0.0273	0.100	1	05/16/2021 22:03	WG1671541
Xylenes, Total	0.602		0.191	0.260	1	05/16/2021 22:03	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 22:03	WG1671541
Tetrahydrofuran	1.11		0.0900	0.500	1	05/17/2021 22:53	WG1672154
Iodomethane	U		0.242	0.500	1	05/16/2021 22:03	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 22:03	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 22:03	WG1671541
(S) Toluene-d8	105			75.0-131		05/16/2021 22:03	WG1671541
(S) Toluene-d8	102			75.0-131		05/17/2021 22:53	WG1672154
(S) 4-Bromofluorobenzene	102			67.0-138		05/16/2021 22:03	WG1671541
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 22:53	WG1672154
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		05/16/2021 22:03	WG1671541
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/17/2021 22:53	WG1672154

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 date / time	Batch
Sulfate	9620		594	5000	1	05/18/2021 00:39	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	46400		102	1000	1	05/19/2021 20:36	WG1673398

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	32300		28.1	100	1	05/21/2021 13:12	WG1674104
Manganese	1460		0.704	5.00	1	05/21/2021 13:12	WG1674104

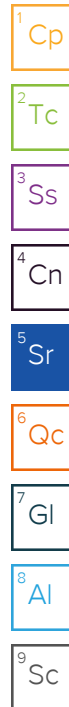
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17100		2.87	6.78	10	05/12/2021 14:00	WG1668919
Ethane	641		0.296	1.29	1	05/12/2021 12:08	WG1668916
Ethene	1570		0.422	1.27	1	05/12/2021 12:08	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	~~J3-J4~~	110	200	200	05/18/2021 00:27	WG1672154
Acrylonitrile	U	~~J3-J4~~	15.2	100	200	05/18/2021 00:27	WG1672154
Benzene	U		3.20	8.00	200	05/18/2021 00:27	WG1672154
Bromobenzene	U		8.40	100	200	05/18/2021 00:27	WG1672154
Bromodichloromethane	U		6.30	20.0	200	05/18/2021 19:22	WG1672815
Bromoform	U		47.8	200	200	05/18/2021 00:27	WG1672154
Bromomethane	U		29.6	100	200	05/18/2021 00:27	WG1672154
n-Butylbenzene	U	UJ C3	30.6	100	200	05/18/2021 00:27	WG1672154
sec-Butylbenzene	U		20.2	100	200	05/18/2021 00:27	WG1672154
tert-Butylbenzene	U	UJ C3	12.4	40.0	200	05/18/2021 00:27	WG1672154
Carbon tetrachloride	U		8.64	40.0	200	05/18/2021 00:27	WG1672154
Chlorobenzene	U		4.58	20.0	200	05/18/2021 00:27	WG1672154
Chlorodibromomethane	U		3.60	20.0	200	05/18/2021 00:27	WG1672154
Chloroethane	U	UJ C3	8.64	40.0	200	05/18/2021 00:27	WG1672154
Chloroform	U		3.32	20.0	200	05/18/2021 00:27	WG1672154
Chloromethane	U		11.1	100	200	05/18/2021 00:27	WG1672154
2-Chlorotoluene	U		7.36	20.0	200	05/18/2021 00:27	WG1672154
4-Chlorotoluene	U	UJ C3	9.04	40.0	200	05/18/2021 00:27	WG1672154
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	05/18/2021 00:27	WG1672154
1,2-Dibromoethane	U		4.20	20.0	200	05/18/2021 00:27	WG1672154
Dibromomethane	U		8.00	40.0	200	05/18/2021 00:27	WG1672154
1,2-Dichlorobenzene	U		11.6	40.0	200	05/18/2021 00:27	WG1672154
1,3-Dichlorobenzene	U		13.6	40.0	200	05/18/2021 00:27	WG1672154
1,4-Dichlorobenzene	U		15.8	40.0	200	05/18/2021 00:27	WG1672154
Dichlorodifluoromethane	U		6.54	20.0	200	05/18/2021 00:27	WG1672154
1,1-Dichloroethane	U		4.60	20.0	200	05/18/2021 00:27	WG1672154
1,2-Dichloroethane	U		3.80	20.0	200	05/18/2021 00:27	WG1672154
1,1-Dichloroethene	U		4.00	20.0	200	05/18/2021 00:27	WG1672154
cis-1,2-Dichloroethene	7150		5.52	20.0	200	05/18/2021 00:27	WG1672154
trans-1,2-Dichloroethene	42.4		11.4	40.0	200	05/18/2021 00:27	WG1672154
1,2-Dichloropropane	U		10.2	40.0	200	05/18/2021 00:27	WG1672154

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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		5.60	20.0	200	05/18/2021 00:27	WG1672154
1,3-Dichloropropane	U		14.0	40.0	200	05/18/2021 00:27	WG1672154
cis-1,3-Dichloropropene	U		5.42	20.0	200	05/18/2021 00:27	WG1672154
trans-1,3-Dichloropropene	U		12.2	40.0	200	05/18/2021 00:27	WG1672154
2,2-Dichloropropane	U		6.34	20.0	200	05/18/2021 00:27	WG1672154
Di-isopropyl ether	U		2.80	8.00	200	05/18/2021 00:27	WG1672154
Ethylbenzene	U		4.24	20.0	200	05/18/2021 00:27	WG1672154
Hexachloro-1,3-butadiene	U		102	200	200	05/18/2021 00:27	WG1672154
Isopropylbenzene	U		6.90	20.0	200	05/18/2021 00:27	WG1672154
p-Isopropyltoluene	U		18.6	40.0	200	05/18/2021 00:27	WG1672154
2-Butanone (MEK)	U		100	200	200	05/18/2021 00:27	WG1672154
Methylene Chloride	U		53.0	200	200	05/18/2021 00:27	WG1672154
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	05/18/2021 00:27	WG1672154
Methyl tert-butyl ether	U		2.36	8.00	200	05/18/2021 00:27	WG1672154
Naphthalene	U		24.8	100	200	05/18/2021 00:27	WG1672154
n-Propylbenzene	U	UJ C3	9.44	40.0	200	05/18/2021 00:27	WG1672154
Styrene	U		21.8	100	200	05/18/2021 00:27	WG1672154
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	05/18/2021 00:27	WG1672154
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	05/18/2021 00:27	WG1672154
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	05/18/2021 00:27	WG1672154
Tetrachloroethene	U		5.60	20.0	200	05/18/2021 00:27	WG1672154
Toluene	U		10.0	40.0	200	05/18/2021 00:27	WG1672154
1,2,3-Trichlorobenzene	U		5.00	100	200	05/18/2021 00:27	WG1672154
1,2,4-Trichlorobenzene	U		38.6	100	200	05/18/2021 00:27	WG1672154
1,1,1-Trichloroethane	U		2.20	20.0	200	05/18/2021 00:27	WG1672154
1,1,2-Trichloroethane	U		7.06	20.0	200	05/18/2021 00:27	WG1672154
Trichloroethene	U		3.20	8.00	200	05/18/2021 00:27	WG1672154
Trichlorofluoromethane	U		4.00	20.0	200	05/18/2021 00:27	WG1672154
1,2,3-Trichloropropane	U		40.8	100	200	05/18/2021 00:27	WG1672154
1,2,4-Trimethylbenzene	U	UJ C3	9.28	40.0	200	05/18/2021 00:27	WG1672154
1,2,3-Trimethylbenzene	U		9.20	40.0	200	05/18/2021 19:22	WG1672815
1,3,5-Trimethylbenzene	U		8.64	40.0	200	05/18/2021 00:27	WG1672154
Vinyl chloride	2020		5.46	20.0	200	05/18/2021 00:27	WG1672154
Xylenes, Total	U		38.2	52.0	200	05/18/2021 00:27	WG1672154
Ethyl Ether	U		3.40	20.0	200	05/18/2021 00:27	WG1672154
Tetrahydrofuran	U		18.0	100	200	05/18/2021 00:27	WG1672154
Iodomethane	U		48.4	100	200	05/18/2021 00:27	WG1672154
Allyl chloride	U		116	200	200	05/18/2021 00:27	WG1672154
Trans-1,4-Dichloro-2-butene	U	UJ C3	11.2	40.0	200	05/18/2021 00:27	WG1672154
(S) Toluene-d8	99.6			75.0-131		05/18/2021 00:27	WG1672154
(S) Toluene-d8	105			75.0-131		05/18/2021 19:22	WG1672815
(S) 4-Bromofluorobenzene	103			67.0-138		05/18/2021 00:27	WG1672154
(S) 4-Bromofluorobenzene	97.6			67.0-138		05/18/2021 19:22	WG1672815
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/18/2021 00:27	WG1672154
(S) 1,2-Dichloroethane-d4	94.5			70.0-130		05/18/2021 19:22	WG1672815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	654	J	594	5000	1	05/18/2021 00:51	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	84800		102	1000	1	05/19/2021 21:01	WG1673398

Metals (ICPMS) by Method 6020B

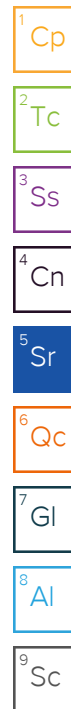
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	23600		28.1	100	1	05/21/2021 13:15	WG1674104
Manganese	3940		0.704	5.00	1	05/21/2021 13:15	WG1674104

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	27000		2.87	6.78	10	05/12/2021 14:04	WG1668919
Ethane	140		0.296	1.29	1	05/12/2021 12:16	WG1668916
Ethene	8250		0.422	1.27	1	05/12/2021 12:16	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	9.11	J	0.548	1.00	1	05/16/2021 22:22	WG1671541
Acrylonitrile	U		0.0760	0.500	1	05/16/2021 22:22	WG1671541
Benzene	0.362	J	0.0160	0.0400	1	05/16/2021 22:22	WG1671541
Bromobenzene	U		0.0420	0.500	1	05/16/2021 22:22	WG1671541
Bromodichloromethane	U		0.0315	0.100	1	05/16/2021 22:22	WG1671541
Bromoform	U		0.239	1.00	1	05/16/2021 22:22	WG1671541
Bromomethane	U		0.148	0.500	1	05/16/2021 22:22	WG1671541
n-Butylbenzene	0.388	J	0.153	0.500	1	05/16/2021 22:22	WG1671541
sec-Butylbenzene	0.176	J	0.101	0.500	1	05/16/2021 22:22	WG1671541
tert-Butylbenzene	U		0.0620	0.200	1	05/16/2021 22:22	WG1671541
Carbon tetrachloride	U		0.0432	0.200	1	05/16/2021 22:22	WG1671541
Chlorobenzene	U		0.0229	0.100	1	05/16/2021 22:22	WG1671541
Chlorodibromomethane	U		0.0180	0.100	1	05/16/2021 22:22	WG1671541
Chloroethane	U		0.0432	0.200	1	05/16/2021 22:22	WG1671541
Chloroform	U		0.0166	0.100	1	05/16/2021 22:22	WG1671541
Chloromethane	U		0.0556	0.500	1	05/16/2021 22:22	WG1671541
2-Chlorotoluene	U		0.0368	0.100	1	05/16/2021 22:22	WG1671541
4-Chlorotoluene	U		0.0452	0.200	1	05/16/2021 22:22	WG1671541
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/16/2021 22:22	WG1671541
1,2-Dibromoethane	U		0.0210	0.100	1	05/16/2021 22:22	WG1671541
Dibromomethane	U		0.0400	0.200	1	05/16/2021 22:22	WG1671541
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/16/2021 22:22	WG1671541
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/16/2021 22:22	WG1671541
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/16/2021 22:22	WG1671541
Dichlorodifluoromethane	U		0.0327	0.100	1	05/16/2021 22:22	WG1671541
1,1-Dichloroethane	U		0.0230	0.100	1	05/16/2021 22:22	WG1671541
1,2-Dichloroethane	U		0.0190	0.100	1	05/16/2021 22:22	WG1671541
1,1-Dichloroethene	98.5		0.0200	0.100	1	05/16/2021 22:22	WG1671541
cis-1,2-Dichloroethene	64900		138	500	5000	05/18/2021 18:36	WG1673029
trans-1,2-Dichloroethene	195		28.6	100	500	05/18/2021 00:45	WG1672154
1,2-Dichloropropane	U		0.0508	0.200	1	05/16/2021 22:22	WG1671541



JC 6/28/2021

MW-948-050621

SAMPLE RESULTS - 08

Collected date/time: 05/06/21 08:00

L1349957

Volatile Organic 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	05/16/2021 22:22	WG1671541
1,3-Dichloropropane	U		0.0700	0.200	1	05/16/2021 22:22	WG1671541
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/16/2021 22:22	WG1671541
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/16/2021 22:22	WG1671541
2,2-Dichloropropane	U		0.0317	0.100	1	05/16/2021 22:22	WG1671541
Di-isopropyl ether	U		0.0140	0.0400	1	05/16/2021 22:22	WG1671541
Ethylbenzene	0.530	J	0.0212	0.100	1	05/16/2021 22:22	WG1671541
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/16/2021 22:22	WG1671541
Isopropylbenzene	0.123	J	0.0345	0.100	1	05/16/2021 22:22	WG1671541
p-Isopropyltoluene	0.220	J	0.0932	0.200	1	05/16/2021 22:22	WG1671541
2-Butanone (MEK)	9.37	J BT	0.500	1.00	1	05/16/2021 22:22	WG1671541
Methylene Chloride	U		0.265	1.00	1	05/16/2021 22:22	WG1671541
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/16/2021 22:22	WG1671541
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/16/2021 22:22	WG1671541
Naphthalene	2.58	J	0.124	0.500	1	05/16/2021 22:22	WG1671541
n-Propylbenzene	0.332	J	0.0472	0.200	1	05/16/2021 22:22	WG1671541
Styrene	U		0.109	0.500	1	05/16/2021 22:22	WG1671541
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/16/2021 22:22	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/16/2021 22:22	WG1671541
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/16/2021 22:22	WG1671541
Tetrachloroethene	8900		14.0	50.0	500	05/18/2021 00:45	WG1672154
Toluene	1.05	J	0.0500	0.200	1	05/16/2021 22:22	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/16/2021 22:22	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/16/2021 22:22	WG1671541
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/16/2021 22:22	WG1671541
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/16/2021 22:22	WG1671541
Trichloroethene	469		8.00	20.0	500	05/18/2021 00:45	WG1672154
Trichlorofluoromethane	U		0.0200	0.100	1	05/16/2021 22:22	WG1671541
1,2,3-Trichloropropane	U		0.204	0.500	1	05/16/2021 22:22	WG1671541
1,2,4-Trimethylbenzene	4.95	J	0.0464	0.200	1	05/16/2021 22:22	WG1671541
1,2,3-Trimethylbenzene	3.62	J	0.0460	0.200	1	05/16/2021 22:22	WG1671541
1,3,5-Trimethylbenzene	1.07	J	0.0432	0.200	1	05/16/2021 22:22	WG1671541
Vinyl chloride	30600		13.6	50.0	500	05/18/2021 00:45	WG1672154
Xylenes, Total	2.99	J	0.191	0.260	1	05/16/2021 22:22	WG1671541
Ethyl Ether	U		0.0170	0.100	1	05/16/2021 22:22	WG1671541
Tetrahydrofuran	U	JS	0.0900	0.500	1	05/16/2021 22:22	WG1671541
Iodomethane	U		0.242	0.500	1	05/16/2021 22:22	WG1671541
Allyl chloride	U		0.580	1.00	1	05/16/2021 22:22	WG1671541
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/16/2021 22:22	WG1671541
(S) Toluene-d8	106			75.0-131		05/16/2021 22:22	WG1671541
(S) Toluene-d8	101			75.0-131		05/18/2021 00:45	WG1672154
(S) Toluene-d8	94.1			75.0-131		05/18/2021 18:36	WG1673029
(S) 4-Bromofluorobenzene	114			67.0-138		05/16/2021 22:22	WG1671541
(S) 4-Bromofluorobenzene	105			67.0-138		05/18/2021 00:45	WG1672154
(S) 4-Bromofluorobenzene	108			67.0-138		05/18/2021 18:36	WG1673029
(S) 1,2-Dichloroethane-d4	94.1			70.0-130		05/16/2021 22:22	WG1671541
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/18/2021 00:45	WG1672154
(S) 1,2-Dichloroethane-d4	141	J1		70.0-130		05/18/2021 18:36	WG1673029

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

1413-001-05-601

SDG:

L1349957

DATE/TIME:

05/25/21 21:23

PAGE:

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1420	J	594	5000	1	05/18/2021 01:25	WG1672264

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 date / time	Batch
TOC (Total Organic Carbon)	32700		102	1000	1	05/14/2021 17:56	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7460		28.1	100	1	05/21/2021 13:18	WG1674104
Manganese	1350		0.704	5.00	1	05/21/2021 13:18	WG1674104

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	34400		2.87	6.78	10	05/12/2021 14:09	WG1668919
Ethane	178		0.296	1.29	1	05/12/2021 12:26	WG1668916
Ethene	7110		0.422	1.27	1	05/12/2021 12:26	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	112		54.8	100	100	05/17/2021 01:11	WG1671541
Acrylonitrile	U		7.60	50.0	100	05/17/2021 01:11	WG1671541
Benzene	U		1.60	4.00	100	05/17/2021 01:11	WG1671541
Bromobenzene	U		4.20	50.0	100	05/17/2021 01:11	WG1671541
Bromodichloromethane	U		3.15	10.0	100	05/17/2021 01:11	WG1671541
Bromoform	U		23.9	100	100	05/17/2021 01:11	WG1671541
Bromomethane	U		14.8	50.0	100	05/17/2021 01:11	WG1671541
n-Butylbenzene	U		15.3	50.0	100	05/17/2021 01:11	WG1671541
sec-Butylbenzene	U		10.1	50.0	100	05/17/2021 01:11	WG1671541
tert-Butylbenzene	U		6.20	20.0	100	05/17/2021 01:11	WG1671541
Carbon tetrachloride	U		4.32	20.0	100	05/17/2021 01:11	WG1671541
Chlorobenzene	U		2.29	10.0	100	05/17/2021 01:11	WG1671541
Chlorodibromomethane	U		1.80	10.0	100	05/17/2021 01:11	WG1671541
Chloroethane	U		4.32	20.0	100	05/17/2021 01:11	WG1671541
Chloroform	U		1.66	10.0	100	05/17/2021 01:11	WG1671541
Chloromethane	U		5.56	50.0	100	05/17/2021 01:11	WG1671541
2-Chlorotoluene	U		3.68	10.0	100	05/17/2021 01:11	WG1671541
4-Chlorotoluene	U		4.52	20.0	100	05/17/2021 01:11	WG1671541
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/17/2021 01:11	WG1671541
1,2-Dibromoethane	U		2.10	10.0	100	05/17/2021 01:11	WG1671541
Dibromomethane	U		4.00	20.0	100	05/17/2021 01:11	WG1671541
1,2-Dichlorobenzene	U		5.80	20.0	100	05/17/2021 01:11	WG1671541
1,3-Dichlorobenzene	U		6.80	20.0	100	05/17/2021 01:11	WG1671541
1,4-Dichlorobenzene	U		7.88	20.0	100	05/17/2021 01:11	WG1671541
Dichlorodifluoromethane	U		3.27	10.0	100	05/17/2021 01:11	WG1671541
1,1-Dichloroethane	U		2.30	10.0	100	05/17/2021 01:11	WG1671541
1,2-Dichloroethane	U		1.90	10.0	100	05/17/2021 01:11	WG1671541
1,1-Dichloroethene	12.2		2.00	10.0	100	05/17/2021 01:11	WG1671541
cis-1,2-Dichloroethene	381		2.76	10.0	100	05/17/2021 01:11	WG1671541
trans-1,2-Dichloroethene	23.2		5.72	20.0	100	05/17/2021 01:11	WG1671541
1,2-Dichloropropane	U		5.08	20.0	100	05/17/2021 01:11	WG1671541

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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	05/17/2021 01:11	WG1671541
1,3-Dichloropropane	U		7.00	20.0	100	05/17/2021 01:11	WG1671541
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/17/2021 01:11	WG1671541
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/17/2021 01:11	WG1671541
2,2-Dichloropropane	U		3.17	10.0	100	05/17/2021 01:11	WG1671541
Di-isopropyl ether	U		1.40	4.00	100	05/17/2021 01:11	WG1671541
Ethylbenzene	U		2.12	10.0	100	05/17/2021 01:11	WG1671541
Hexachloro-1,3-butadiene	U		50.8	100	100	05/17/2021 01:11	WG1671541
Isopropylbenzene	U		3.45	10.0	100	05/17/2021 01:11	WG1671541
p-Isopropyltoluene	U		9.32	20.0	100	05/17/2021 01:11	WG1671541
2-Butanone (MEK)	U		50.0	100	100	05/17/2021 01:11	WG1671541
Methylene Chloride	U		26.5	100	100	05/17/2021 01:11	WG1671541
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/17/2021 01:11	WG1671541
Methyl tert-butyl ether	U		1.18	4.00	100	05/17/2021 01:11	WG1671541
Naphthalene	U		12.4	50.0	100	05/17/2021 01:11	WG1671541
n-Propylbenzene	U		4.72	20.0	100	05/17/2021 01:11	WG1671541
Styrene	U		10.9	50.0	100	05/17/2021 01:11	WG1671541
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/17/2021 01:11	WG1671541
1,1,2,2-Tetrachloroethane	U	UJ C3	1.56	10.0	100	05/17/2021 01:11	WG1671541
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/17/2021 01:11	WG1671541
Tetrachloroethene	23.8		2.80	10.0	100	05/17/2021 01:11	WG1671541
Toluene	U		5.00	20.0	100	05/17/2021 01:11	WG1671541
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	05/17/2021 01:11	WG1671541
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	05/17/2021 01:11	WG1671541
1,1,1-Trichloroethane	U		1.10	10.0	100	05/17/2021 01:11	WG1671541
1,1,2-Trichloroethane	U		3.53	10.0	100	05/17/2021 01:11	WG1671541
Trichloroethene	U		1.60	4.00	100	05/17/2021 01:11	WG1671541
Trichlorofluoromethane	U		2.00	10.0	100	05/17/2021 01:11	WG1671541
1,2,3-Trichloropropane	U		20.4	50.0	100	05/17/2021 01:11	WG1671541
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/17/2021 01:11	WG1671541
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/17/2021 01:11	WG1671541
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/17/2021 01:11	WG1671541
Vinyl chloride	6960		2.73	10.0	100	05/17/2021 01:11	WG1671541
Xylenes, Total	U		19.1	26.0	100	05/17/2021 01:11	WG1671541
Ethyl Ether	U		1.70	10.0	100	05/17/2021 01:11	WG1671541
Tetrahydrofuran	U	~~UJ~~	9.00	50.0	100	05/17/2021 01:11	WG1671541
Iodomethane	U		24.2	50.0	100	05/17/2021 01:11	WG1671541
Allyl chloride	U		58.0	100	100	05/17/2021 01:11	WG1671541
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/17/2021 01:11	WG1671541
(S) Toluene-d8	102			75.0-131		05/17/2021 01:11	WG1671541
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2021 01:11	WG1671541
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/17/2021 01:11	WG1671541

Sample Narrative:

L1349957-09 WG1671541: Non-target compounds too high to run at a lower dilution.

JC 6/28/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/18/2021 01:37	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	40100		102	1000	1	05/14/2021 18:12	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	26600	~~V~~	28.1	100	1	05/25/2021 14:40	WG1673272
Manganese	4860	~~V~~	0.704	5.00	1	05/25/2021 14:40	WG1673272

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	25900		2.87	6.78	10	05/12/2021 14:45	WG1668919
Ethane	571		0.296	1.29	1	05/12/2021 12:32	WG1668916
Ethene	1240		0.422	1.27	1	05/12/2021 12:32	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	8.04	U	5.48	10.0	10	05/18/2021 19:42	WG1672815
Acrylonitrile	U	~~J3-J4~~	0.760	5.00	10	05/18/2021 01:04	WG1672154
Benzene	U		0.160	0.400	10	05/18/2021 01:04	WG1672154
Bromobenzene	U		0.420	5.00	10	05/18/2021 01:04	WG1672154
Bromodichloromethane	U		0.315	1.00	10	05/18/2021 19:42	WG1672815
Bromoform	U		2.39	10.0	10	05/18/2021 01:04	WG1672154
Bromomethane	U		1.48	5.00	10	05/18/2021 01:04	WG1672154
n-Butylbenzene	U	UJ C3	1.53	5.00	10	05/18/2021 01:04	WG1672154
sec-Butylbenzene	U		1.01	5.00	10	05/18/2021 01:04	WG1672154
tert-Butylbenzene	U	UJ C3	0.620	2.00	10	05/18/2021 01:04	WG1672154
Carbon tetrachloride	U		0.432	2.00	10	05/18/2021 01:04	WG1672154
Chlorobenzene	U		0.229	1.00	10	05/18/2021 01:04	WG1672154
Chlorodibromomethane	U		0.180	1.00	10	05/18/2021 01:04	WG1672154
Chloroethane	U	UJ C3	0.432	2.00	10	05/18/2021 01:04	WG1672154
Chloroform	U		0.166	1.00	10	05/18/2021 01:04	WG1672154
Chloromethane	U		0.556	5.00	10	05/18/2021 01:04	WG1672154
2-Chlorotoluene	U		0.368	1.00	10	05/18/2021 01:04	WG1672154
4-Chlorotoluene	U	UJ C3	0.452	2.00	10	05/18/2021 01:04	WG1672154
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	05/18/2021 01:04	WG1672154
1,2-Dibromoethane	U		0.210	1.00	10	05/18/2021 01:04	WG1672154
Dibromomethane	U		0.400	2.00	10	05/18/2021 01:04	WG1672154
1,2-Dichlorobenzene	U		0.580	2.00	10	05/18/2021 01:04	WG1672154
1,3-Dichlorobenzene	U		0.680	2.00	10	05/18/2021 01:04	WG1672154
1,4-Dichlorobenzene	U		0.788	2.00	10	05/18/2021 01:04	WG1672154
Dichlorodifluoromethane	U		0.327	1.00	10	05/18/2021 01:04	WG1672154
1,1-Dichloroethane	U		0.230	1.00	10	05/18/2021 01:04	WG1672154
1,2-Dichloroethane	0.380	J	0.190	1.00	10	05/18/2021 01:04	WG1672154
1,1-Dichloroethene	U		0.200	1.00	10	05/18/2021 01:04	WG1672154
cis-1,2-Dichloroethene	260		0.276	1.00	10	05/18/2021 01:04	WG1672154
trans-1,2-Dichloroethene	15.2		0.572	2.00	10	05/18/2021 01:04	WG1672154
1,2-Dichloropropane	U		0.508	2.00	10	05/18/2021 01:04	WG1672154

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

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		0.280	1.00	10	05/18/2021 01:04	WG1672154
1,3-Dichloropropane	U		0.700	2.00	10	05/18/2021 01:04	WG1672154
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/18/2021 01:04	WG1672154
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/18/2021 01:04	WG1672154
2,2-Dichloropropane	U		0.317	1.00	10	05/18/2021 01:04	WG1672154
Di-isopropyl ether	U		0.140	0.400	10	05/18/2021 01:04	WG1672154
Ethylbenzene	U		0.212	1.00	10	05/18/2021 01:04	WG1672154
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/18/2021 01:04	WG1672154
Isopropylbenzene	U		0.345	1.00	10	05/18/2021 01:04	WG1672154
p-Isopropyltoluene	U		0.932	2.00	10	05/18/2021 01:04	WG1672154
2-Butanone (MEK)	U		5.00	10.0	10	05/18/2021 01:04	WG1672154
Methylene Chloride	U		2.65	10.0	10	05/18/2021 01:04	WG1672154
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/18/2021 01:04	WG1672154
Methyl tert-butyl ether	U		0.118	0.400	10	05/18/2021 01:04	WG1672154
Naphthalene	U		1.24	5.00	10	05/18/2021 01:04	WG1672154
n-Propylbenzene	U	UJ C3	0.472	2.00	10	05/18/2021 01:04	WG1672154
Styrene	U		1.09	5.00	10	05/18/2021 01:04	WG1672154
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/18/2021 01:04	WG1672154
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/18/2021 01:04	WG1672154
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/18/2021 01:04	WG1672154
Tetrachloroethene	U		0.280	1.00	10	05/18/2021 01:04	WG1672154
Toluene	0.820	U	0.500	2.00	10	05/18/2021 01:04	WG1672154
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/18/2021 01:04	WG1672154
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/18/2021 01:04	WG1672154
1,1,1-Trichloroethane	U		0.110	1.00	10	05/18/2021 01:04	WG1672154
1,1,2-Trichloroethane	U		0.353	1.00	10	05/18/2021 01:04	WG1672154
Trichloroethene	U		0.160	0.400	10	05/18/2021 01:04	WG1672154
Trichlorofluoromethane	U		0.200	1.00	10	05/18/2021 01:04	WG1672154
1,2,3-Trichloropropane	U		2.04	5.00	10	05/18/2021 01:04	WG1672154
1,2,4-Trimethylbenzene	U	UJ C3	0.464	2.00	10	05/18/2021 01:04	WG1672154
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/18/2021 19:42	WG1672815
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/18/2021 01:04	WG1672154
Vinyl chloride	301		0.273	1.00	10	05/18/2021 01:04	WG1672154
Xylenes, Total	U		1.91	2.60	10	05/18/2021 01:04	WG1672154
Ethyl Ether	U		0.170	1.00	10	05/18/2021 01:04	WG1672154
Tetrahydrofuran	7.75		0.900	5.00	10	05/18/2021 01:04	WG1672154
Iodomethane	U		2.42	5.00	10	05/18/2021 01:04	WG1672154
Allyl chloride	U		5.80	10.0	10	05/18/2021 01:04	WG1672154
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.560	2.00	10	05/18/2021 01:04	WG1672154
(S) Toluene-d8	99.6			75.0-131		05/18/2021 01:04	WG1672154
(S) Toluene-d8	105			75.0-131		05/18/2021 19:42	WG1672815
(S) 4-Bromofluorobenzene	102			67.0-138		05/18/2021 01:04	WG1672154
(S) 4-Bromofluorobenzene	97.4			67.0-138		05/18/2021 19:42	WG1672815
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/18/2021 01:04	WG1672154
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		05/18/2021 19:42	WG1672815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	14800		594	5000	1	05/18/2021 01:48	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2310	B	102	1000	1	05/14/2021 18:24	WG1670772

Metals (ICPMS) by Method 6020B

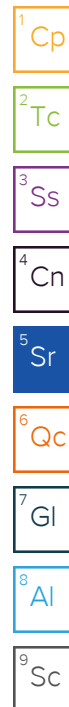
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1870		28.1	100	1	05/25/2021 15:01	WG1673272
Manganese	522		0.704	5.00	1	05/25/2021 15:01	WG1673272

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	690		0.287	0.678	1	05/12/2021 12:37	WG1668916
Ethane	U		0.296	1.29	1	05/12/2021 12:37	WG1668916
Ethene	14.3		0.422	1.27	1	05/12/2021 12:37	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	~~J3 J4~~	2.74	5.00	5	05/18/2021 01:23	WG1672154
Acrylonitrile	U	~~J3 J4~~	0.380	2.50	5	05/18/2021 01:23	WG1672154
Benzene	U		0.0800	0.200	5	05/18/2021 01:23	WG1672154
Bromobenzene	U		0.210	2.50	5	05/18/2021 01:23	WG1672154
Bromodichloromethane	U		0.158	0.500	5	05/18/2021 20:03	WG1672815
Bromoform	U		1.20	5.00	5	05/18/2021 01:23	WG1672154
Bromomethane	U		0.740	2.50	5	05/18/2021 01:23	WG1672154
n-Butylbenzene	U	UJ C3	0.765	2.50	5	05/18/2021 01:23	WG1672154
sec-Butylbenzene	U		0.505	2.50	5	05/18/2021 01:23	WG1672154
tert-Butylbenzene	U	UJ C3	0.310	1.00	5	05/18/2021 01:23	WG1672154
Carbon tetrachloride	U		0.216	1.00	5	05/18/2021 01:23	WG1672154
Chlorobenzene	U		0.115	0.500	5	05/18/2021 01:23	WG1672154
Chlorodibromomethane	U		0.0900	0.500	5	05/18/2021 01:23	WG1672154
Chloroethane	U	UJ C3	0.216	1.00	5	05/18/2021 01:23	WG1672154
Chloroform	U		0.0830	0.500	5	05/18/2021 01:23	WG1672154
Chloromethane	U		0.278	2.50	5	05/18/2021 01:23	WG1672154
2-Chlorotoluene	U		0.184	0.500	5	05/18/2021 01:23	WG1672154
4-Chlorotoluene	U	UJ C3	0.226	1.00	5	05/18/2021 01:23	WG1672154
1,2-Dibromo-3-Chloropropane	U		1.02	5.00	5	05/18/2021 01:23	WG1672154
1,2-Dibromoethane	U		0.105	0.500	5	05/18/2021 01:23	WG1672154
Dibromomethane	U		0.200	1.00	5	05/18/2021 01:23	WG1672154
1,2-Dichlorobenzene	U		0.290	1.00	5	05/18/2021 01:23	WG1672154
1,3-Dichlorobenzene	U		0.340	1.00	5	05/18/2021 01:23	WG1672154
1,4-Dichlorobenzene	U		0.394	1.00	5	05/18/2021 01:23	WG1672154
Dichlorodifluoromethane	U		0.164	0.500	5	05/18/2021 01:23	WG1672154
1,1-Dichloroethane	U		0.115	0.500	5	05/18/2021 01:23	WG1672154
1,2-Dichloroethane	U		0.0950	0.500	5	05/18/2021 01:23	WG1672154
1,1-Dichloroethene	1.82		0.100	0.500	5	05/18/2021 01:23	WG1672154
cis-1,2-Dichloroethene	101		0.138	0.500	5	05/18/2021 01:23	WG1672154
trans-1,2-Dichloroethene	0.690	J	0.286	1.00	5	05/18/2021 01:23	WG1672154
1,2-Dichloropropane	U		0.254	1.00	5	05/18/2021 01:23	WG1672154



JC 6/28/2021

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		0.140	0.500	5	05/18/2021 01:23	WG1672154
1,3-Dichloropropane	U		0.350	1.00	5	05/18/2021 01:23	WG1672154
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/18/2021 01:23	WG1672154
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/18/2021 01:23	WG1672154
2,2-Dichloropropane	U		0.159	0.500	5	05/18/2021 01:23	WG1672154
Di-isopropyl ether	U		0.0700	0.200	5	05/18/2021 01:23	WG1672154
Ethylbenzene	U		0.106	0.500	5	05/18/2021 01:23	WG1672154
Hexachloro-1,3-butadiene	U		2.54	5.00	5	05/18/2021 01:23	WG1672154
Isopropylbenzene	U		0.173	0.500	5	05/18/2021 01:23	WG1672154
p-Isopropyltoluene	U		0.466	1.00	5	05/18/2021 01:23	WG1672154
2-Butanone (MEK)	U		2.50	5.00	5	05/18/2021 01:23	WG1672154
Methylene Chloride	U		1.33	5.00	5	05/18/2021 01:23	WG1672154
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	05/18/2021 01:23	WG1672154
Methyl tert-butyl ether	U		0.0590	0.200	5	05/18/2021 01:23	WG1672154
Naphthalene	U		0.620	2.50	5	05/18/2021 01:23	WG1672154
n-Propylbenzene	U	UJ C3	0.236	1.00	5	05/18/2021 01:23	WG1672154
Styrene	U		0.545	2.50	5	05/18/2021 01:23	WG1672154
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/18/2021 01:23	WG1672154
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/18/2021 01:23	WG1672154
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/18/2021 01:23	WG1672154
Tetrachloroethene	46.2		0.140	0.500	5	05/18/2021 01:23	WG1672154
Toluene	U		0.250	1.00	5	05/18/2021 01:23	WG1672154
1,2,3-Trichlorobenzene	U		0.125	2.50	5	05/18/2021 01:23	WG1672154
1,2,4-Trichlorobenzene	U		0.965	2.50	5	05/18/2021 01:23	WG1672154
1,1,1-Trichloroethane	U		0.0550	0.500	5	05/18/2021 01:23	WG1672154
1,1,2-Trichloroethane	U		0.177	0.500	5	05/18/2021 01:23	WG1672154
Trichloroethene	47.2		0.0800	0.200	5	05/18/2021 01:23	WG1672154
Trichlorofluoromethane	U		0.100	0.500	5	05/18/2021 01:23	WG1672154
1,2,3-Trichloropropane	U		1.02	2.50	5	05/18/2021 01:23	WG1672154
1,2,4-Trimethylbenzene	U	UJ C3	0.232	1.00	5	05/18/2021 01:23	WG1672154
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/18/2021 20:03	WG1672815
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/18/2021 01:23	WG1672154
Vinyl chloride	31.4		0.137	0.500	5	05/18/2021 01:23	WG1672154
Xylenes, Total	U		0.955	1.30	5	05/18/2021 01:23	WG1672154
Ethyl Ether	U		0.0850	0.500	5	05/18/2021 01:23	WG1672154
Tetrahydrofuran	U		0.450	2.50	5	05/18/2021 01:23	WG1672154
Iodomethane	U		1.21	2.50	5	05/18/2021 01:23	WG1672154
Allyl chloride	U		2.90	5.00	5	05/18/2021 01:23	WG1672154
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.280	1.00	5	05/18/2021 01:23	WG1672154
(S) Toluene-d8	102			75.0-131		05/18/2021 01:23	WG1672154
(S) Toluene-d8	102			75.0-131		05/18/2021 20:03	WG1672815
(S) 4-Bromofluorobenzene	102			67.0-138		05/18/2021 01:23	WG1672154
(S) 4-Bromofluorobenzene	98.4			67.0-138		05/18/2021 20:03	WG1672815
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/18/2021 01:23	WG1672154
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/18/2021 20:03	WG1672815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	35600		594	5000	1	05/18/2021 01:59	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12300		102	1000	1	05/14/2021 18:38	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2600		28.1	100	1	05/25/2021 15:05	WG1673272
Manganese	1480		0.704	5.00	1	05/25/2021 15:05	WG1673272

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	11700		2.87	6.78	10	05/12/2021 14:49	WG1668919
Ethane	U		0.296	1.29	1	05/12/2021 12:46	WG1668916
Ethene	466		0.422	1.27	1	05/12/2021 12:46	WG1668916

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J3 J4	54.8	100	100	05/18/2021 01:42	WG1672154
Acrylonitrile	U	~~J3 J4~~	7.60	50.0	100	05/18/2021 01:42	WG1672154
Benzene	U		1.60	4.00	100	05/18/2021 01:42	WG1672154
Bromobenzene	U		4.20	50.0	100	05/18/2021 01:42	WG1672154
Bromodichloromethane	U		3.15	10.0	100	05/18/2021 20:24	WG1672815
Bromoform	U		23.9	100	100	05/18/2021 01:42	WG1672154
Bromomethane	U		14.8	50.0	100	05/18/2021 01:42	WG1672154
n-Butylbenzene	U	UJ C3	15.3	50.0	100	05/18/2021 01:42	WG1672154
sec-Butylbenzene	U		10.1	50.0	100	05/18/2021 01:42	WG1672154
tert-Butylbenzene	U	UJ C3	6.20	20.0	100	05/18/2021 01:42	WG1672154
Carbon tetrachloride	U		4.32	20.0	100	05/18/2021 01:42	WG1672154
Chlorobenzene	U		2.29	10.0	100	05/18/2021 01:42	WG1672154
Chlorodibromomethane	U		1.80	10.0	100	05/18/2021 01:42	WG1672154
Chloroethane	U	UJ C3	4.32	20.0	100	05/18/2021 01:42	WG1672154
Chloroform	U		1.66	10.0	100	05/18/2021 01:42	WG1672154
Chloromethane	U		5.56	50.0	100	05/18/2021 01:42	WG1672154
2-Chlorotoluene	U		3.68	10.0	100	05/18/2021 01:42	WG1672154
4-Chlorotoluene	U	UJ C3	4.52	20.0	100	05/18/2021 01:42	WG1672154
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/18/2021 01:42	WG1672154
1,2-Dibromoethane	U		2.10	10.0	100	05/18/2021 01:42	WG1672154
Dibromomethane	U		4.00	20.0	100	05/18/2021 01:42	WG1672154
1,2-Dichlorobenzene	U		5.80	20.0	100	05/18/2021 01:42	WG1672154
1,3-Dichlorobenzene	U		6.80	20.0	100	05/18/2021 01:42	WG1672154
1,4-Dichlorobenzene	U		7.88	20.0	100	05/18/2021 01:42	WG1672154
Dichlorodifluoromethane	U		3.27	10.0	100	05/18/2021 01:42	WG1672154
1,1-Dichloroethane	U		2.30	10.0	100	05/18/2021 01:42	WG1672154
1,2-Dichloroethane	3.10	J	1.90	10.0	100	05/18/2021 01:42	WG1672154
1,1-Dichloroethene	10.5		2.00	10.0	100	05/18/2021 01:42	WG1672154
cis-1,2-Dichloroethene	4470		2.76	10.0	100	05/18/2021 01:42	WG1672154
trans-1,2-Dichloroethene	12.5	J	5.72	20.0	100	05/18/2021 01:42	WG1672154
1,2-Dichloropropane	U		5.08	20.0	100	05/18/2021 01:42	WG1672154

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	05/18/2021 01:42	WG1672154
1,3-Dichloropropane	U		7.00	20.0	100	05/18/2021 01:42	WG1672154
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/18/2021 01:42	WG1672154
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/18/2021 01:42	WG1672154
2,2-Dichloropropane	U		3.17	10.0	100	05/18/2021 01:42	WG1672154
Di-isopropyl ether	U		1.40	4.00	100	05/18/2021 01:42	WG1672154
Ethylbenzene	U		2.12	10.0	100	05/18/2021 01:42	WG1672154
Hexachloro-1,3-butadiene	U		50.8	100	100	05/18/2021 01:42	WG1672154
Isopropylbenzene	U		3.45	10.0	100	05/18/2021 01:42	WG1672154
p-Isopropyltoluene	U		9.32	20.0	100	05/18/2021 01:42	WG1672154
2-Butanone (MEK)	U		50.0	100	100	05/18/2021 01:42	WG1672154
Methylene Chloride	U		26.5	100	100	05/18/2021 01:42	WG1672154
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/18/2021 01:42	WG1672154
Methyl tert-butyl ether	U		1.18	4.00	100	05/18/2021 01:42	WG1672154
Naphthalene	U		12.4	50.0	100	05/18/2021 01:42	WG1672154
n-Propylbenzene	U	UJ C3	4.72	20.0	100	05/18/2021 01:42	WG1672154
Styrene	U		10.9	50.0	100	05/18/2021 01:42	WG1672154
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/18/2021 01:42	WG1672154
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/18/2021 01:42	WG1672154
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/18/2021 01:42	WG1672154
Tetrachloroethene	U		2.80	10.0	100	05/18/2021 01:42	WG1672154
Toluene	U		5.00	20.0	100	05/18/2021 01:42	WG1672154
1,2,3-Trichlorobenzene	U		2.50	50.0	100	05/18/2021 01:42	WG1672154
1,2,4-Trichlorobenzene	U		19.3	50.0	100	05/18/2021 01:42	WG1672154
1,1,1-Trichloroethane	U		1.10	10.0	100	05/18/2021 01:42	WG1672154
1,1,2-Trichloroethane	U		3.53	10.0	100	05/18/2021 01:42	WG1672154
Trichloroethene	U		1.60	4.00	100	05/18/2021 01:42	WG1672154
Trichlorofluoromethane	U		2.00	10.0	100	05/18/2021 01:42	WG1672154
1,2,3-Trichloropropane	U		20.4	50.0	100	05/18/2021 01:42	WG1672154
1,2,4-Trimethylbenzene	U	UJ C3	4.64	20.0	100	05/18/2021 01:42	WG1672154
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/18/2021 20:24	WG1672815
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/18/2021 01:42	WG1672154
Vinyl chloride	2340		2.73	10.0	100	05/18/2021 01:42	WG1672154
Xylenes, Total	U		19.1	26.0	100	05/18/2021 01:42	WG1672154
Ethyl Ether	U		1.70	10.0	100	05/18/2021 01:42	WG1672154
Tetrahydrofuran	U		9.00	50.0	100	05/18/2021 01:42	WG1672154
Iodomethane	U		24.2	50.0	100	05/18/2021 01:42	WG1672154
Allyl chloride	U		58.0	100	100	05/18/2021 01:42	WG1672154
Trans-1,4-Dichloro-2-butene	U	UJ C3	5.60	20.0	100	05/18/2021 01:42	WG1672154
(S) Toluene-d8	101			75.0-131		05/18/2021 01:42	WG1672154
(S) Toluene-d8	103			75.0-131		05/18/2021 20:24	WG1672815
(S) 4-Bromofluorobenzene	104			67.0-138		05/18/2021 01:42	WG1672154
(S) 4-Bromofluorobenzene	98.9			67.0-138		05/18/2021 20:24	WG1672815
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/18/2021 01:42	WG1672154
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		05/18/2021 20:24	WG1672815



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	675	J	594	5000	1	05/18/2021 02:22	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	79200		510	5000	5	05/14/2021 20:21	WG1670772

Metals (ICPMS) by Method 6020B

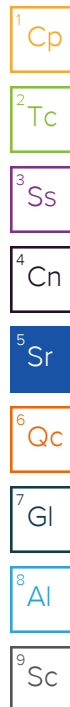
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	25900		28.1	100	1	05/25/2021 15:12	WG1673272
Manganese	3910		0.704	5.00	1	05/25/2021 15:12	WG1673272

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	24000		2.87	6.78	10	05/13/2021 15:41	WG1670238
Ethane	140		0.296	1.29	1	05/12/2021 14:53	WG1668919
Ethene	8580		0.422	1.27	1	05/12/2021 14:53	WG1668919

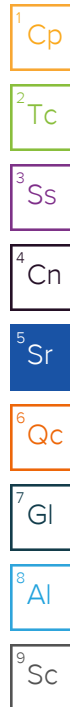
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2080	J	1100	2000	2000	05/17/2021 09:03	WG1671708
Acrylonitrile	U		152	1000	2000	05/17/2021 09:03	WG1671708
Benzene	U	UJ	32.0	80.0	2000	05/17/2021 09:03	WG1671708
Bromobenzene	U		84.0	1000	2000	05/17/2021 09:03	WG1671708
Bromodichloromethane	U		63.0	200	2000	05/17/2021 09:03	WG1671708
Bromoform	U		478	2000	2000	05/17/2021 09:03	WG1671708
Bromomethane	U		296	1000	2000	05/17/2021 09:03	WG1671708
n-Butylbenzene	U		306	1000	2000	05/17/2021 09:03	WG1671708
sec-Butylbenzene	U		202	1000	2000	05/17/2021 09:03	WG1671708
tert-Butylbenzene	U		124	400	2000	05/17/2021 09:03	WG1671708
Carbon tetrachloride	U		86.4	400	2000	05/17/2021 09:03	WG1671708
Chlorobenzene	U		45.8	200	2000	05/17/2021 09:03	WG1671708
Chlorodibromomethane	U		36.0	200	2000	05/17/2021 09:03	WG1671708
Chloroethane	U		86.4	400	2000	05/17/2021 09:03	WG1671708
Chloroform	U		33.2	200	2000	05/17/2021 09:03	WG1671708
Chloromethane	U		111	1000	2000	05/17/2021 09:03	WG1671708
2-Chlorotoluene	U		73.6	200	2000	05/17/2021 09:03	WG1671708
4-Chlorotoluene	U		90.4	400	2000	05/17/2021 09:03	WG1671708
1,2-Dibromo-3-Chloropropane	U		408	2000	2000	05/17/2021 09:03	WG1671708
1,2-Dibromoethane	U		42.0	200	2000	05/17/2021 09:03	WG1671708
Dibromomethane	U		80.0	400	2000	05/17/2021 09:03	WG1671708
1,2-Dichlorobenzene	U		116	400	2000	05/17/2021 09:03	WG1671708
1,3-Dichlorobenzene	U		136	400	2000	05/17/2021 09:03	WG1671708
1,4-Dichlorobenzene	U		158	400	2000	05/17/2021 09:03	WG1671708
Dichlorodifluoromethane	U		65.4	200	2000	05/17/2021 09:03	WG1671708
1,1-Dichloroethane	U		46.0	200	2000	05/17/2021 09:03	WG1671708
1,2-Dichloroethane	U		38.0	200	2000	05/17/2021 09:03	WG1671708
1,1-Dichloroethene	92.0	J	40.0	200	2000	05/17/2021 09:03	WG1671708
cis-1,2-Dichloroethene	68400		55.2	200	2000	05/17/2021 09:03	WG1671708
trans-1,2-Dichloroethene	226	J	114	400	2000	05/17/2021 09:03	WG1671708
1,2-Dichloropropane	U		102	400	2000	05/17/2021 09:03	WG1671708



Volatile Organic 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		56.0	200	2000	05/17/2021 09:03	WG1671708
1,3-Dichloropropane	U		140	400	2000	05/17/2021 09:03	WG1671708
cis-1,3-Dichloropropene	U		54.2	200	2000	05/17/2021 09:03	WG1671708
trans-1,3-Dichloropropene	U		122	400	2000	05/17/2021 09:03	WG1671708
2,2-Dichloropropane	U		63.4	200	2000	05/17/2021 09:03	WG1671708
Di-isopropyl ether	U		28.0	80.0	2000	05/17/2021 09:03	WG1671708
Ethylbenzene	U	UJ	42.4	200	2000	05/17/2021 09:03	WG1671708
Hexachloro-1,3-butadiene	U		1020	2000	2000	05/17/2021 09:03	WG1671708
Isopropylbenzene	U	UJ	69.0	200	2000	05/17/2021 09:03	WG1671708
p-Isopropyltoluene	U	UJ	186	400	2000	05/17/2021 09:03	WG1671708
2-Butanone (MEK)	U	UJ	1000	2000	2000	05/17/2021 09:03	WG1671708
Methylene Chloride	U		530	2000	2000	05/17/2021 09:03	WG1671708
4-Methyl-2-pentanone (MIBK)	U		800	2000	2000	05/17/2021 09:03	WG1671708
Methyl tert-butyl ether	U		23.6	80.0	2000	05/17/2021 09:03	WG1671708
Naphthalene	U	UJ	248	1000	2000	05/17/2021 09:03	WG1671708
n-Propylbenzene	U	UJ	94.4	400	2000	05/17/2021 09:03	WG1671708
Styrene	U		218	1000	2000	05/17/2021 09:03	WG1671708
1,1,1,2-Tetrachloroethane	U		40.0	200	2000	05/17/2021 09:03	WG1671708
1,1,2,2-Tetrachloroethane	U		31.2	200	2000	05/17/2021 09:03	WG1671708
1,1,2-Trichlorotrifluoroethane	U		54.0	200	2000	05/17/2021 09:03	WG1671708
Tetrachloroethene	6650		56.0	200	2000	05/17/2021 09:03	WG1671708
Toluene	U	UJ	100	400	2000	05/17/2021 09:03	WG1671708
1,2,3-Trichlorobenzene	U	UJ C4	50.0	1000	2000	05/17/2021 09:03	WG1671708
1,2,4-Trichlorobenzene	U	UJ C4	386	1000	2000	05/17/2021 09:03	WG1671708
1,1,1-Trichloroethane	U		22.0	200	2000	05/17/2021 09:03	WG1671708
1,1,2-Trichloroethane	U		70.6	200	2000	05/17/2021 09:03	WG1671708
Trichloroethene	384		32.0	80.0	2000	05/17/2021 09:03	WG1671708
Trichlorofluoromethane	U		40.0	200	2000	05/17/2021 09:03	WG1671708
1,2,3-Trichloropropane	U		408	1000	2000	05/17/2021 09:03	WG1671708
1,2,4-Trimethylbenzene	U	UJ	92.8	400	2000	05/17/2021 09:03	WG1671708
1,2,3-Trimethylbenzene	U	UJ	92.0	400	2000	05/17/2021 09:03	WG1671708
1,3,5-Trimethylbenzene	U	UJ	86.4	400	2000	05/17/2021 09:03	WG1671708
Vinyl chloride	31000		54.6	200	2000	05/17/2021 09:03	WG1671708
Xylenes, Total	U	UJ	382	520	2000	05/17/2021 09:03	WG1671708
Ethyl Ether	U		34.0	200	2000	05/17/2021 09:03	WG1671708
Tetrahydrofuran	U		180	1000	2000	05/17/2021 09:03	WG1671708
Iodomethane	U		484	1000	2000	05/17/2021 09:03	WG1671708
Allyl chloride	U		1160	2000	2000	05/17/2021 09:03	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	112	400	2000	05/17/2021 09:03	WG1671708
(S) Toluene-d8	102			75.0-131		05/17/2021 09:03	WG1671708
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2021 09:03	WG1671708
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 09:03	WG1671708



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	40400		594	5000	1	05/18/2021 02:34	WG1672264

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	29100		102	1000	1	05/14/2021 20:38	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	15800		28.1	100	1	05/25/2021 15:15	WG1673272
Manganese	4090		0.704	5.00	1	05/25/2021 15:15	WG1673272

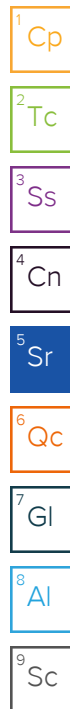
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	20600		2.87	6.78	10	05/13/2021 16:05	WG1670238
Ethane	8.59		0.296	1.29	1	05/12/2021 15:02	WG1668919
Ethene	41.2		0.422	1.27	1	05/12/2021 15:02	WG1668919

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

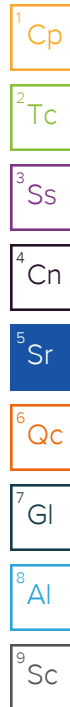
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.96		0.548	1.00	1	05/17/2021 10:19	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 10:19	WG1671708
Benzene	U		0.0160	0.0400	1	05/17/2021 10:19	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 10:19	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 10:19	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 10:19	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 10:19	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 10:19	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 10:19	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 10:19	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 10:19	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 10:19	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 10:19	WG1671708
Chloroethane	5.21		0.0432	0.200	1	05/17/2021 10:19	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 10:19	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 10:19	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 10:19	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 10:19	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 10:19	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 10:19	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 10:19	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 10:19	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 10:19	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 10:19	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 10:19	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 10:19	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 10:19	WG1671708
1,1-Dichloroethene	2.14		0.0200	0.100	1	05/17/2021 10:19	WG1671708
cis-1,2-Dichloroethene	407		0.276	1.00	10	05/17/2021 19:43	WG1672061
trans-1,2-Dichloroethene	2.83		0.0572	0.200	1	05/17/2021 10:19	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 10:19	WG1671708

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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	05/17/2021 10:19	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 10:19	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 10:19	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 10:19	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 10:19	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 10:19	WG1671708
Ethylbenzene	0.0370	<u>U</u>	0.0212	0.100	1	05/17/2021 10:19	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 10:19	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 10:19	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 10:19	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 10:19	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 10:19	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 10:19	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 10:19	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 10:19	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 10:19	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 10:19	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 10:19	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 10:19	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 10:19	WG1671708
Tetrachloroethene	1.29		0.0280	0.100	1	05/17/2021 10:19	WG1671708
Toluene	0.204		0.0500	0.200	1	05/17/2021 10:19	WG1671708
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	05/17/2021 10:19	WG1671708
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	05/17/2021 10:19	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 10:19	WG1671708
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2021 10:19	WG1671708
Trichloroethene	1.68		0.0160	0.0400	1	05/17/2021 10:19	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 10:19	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 10:19	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 10:19	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 10:19	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 10:19	WG1671708
Vinyl chloride	237		0.273	1.00	10	05/17/2021 19:43	WG1672061
Xylenes, Total	0.195	<u>U</u>	0.191	0.260	1	05/17/2021 10:19	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 10:19	WG1671708
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2021 10:19	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 10:19	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 10:19	WG1671708
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u> <u>C3</u>	0.0560	0.200	1	05/17/2021 10:19	WG1671708
(S) Toluene-d8	99.7			75.0-131		05/17/2021 10:19	WG1671708
(S) Toluene-d8	102			75.0-131		05/17/2021 19:43	WG1672061
(S) 4-Bromofluorobenzene	112			67.0-138		05/17/2021 10:19	WG1671708
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 19:43	WG1672061
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 10:19	WG1671708
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2021 19:43	WG1672061



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MEMORANDUM

TO: Project File **DATE:** July 8, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.601 and 1413.001.02.501G

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

LAB: Pace Sample Delivery Groups (SDGs): L1350022, L1351842, L1351887, L1353580, and L1353791

Thirty-one (31) groundwater samples including two field duplicates, one waste characterization sample, one equipment blank, and three trip blanks were collected as part of the 2nd Quarterly May-June 2021 Monitoring Round for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington. 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 as gasoline (TPH-Gx) by NWTPH-Gx per 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 L1350022, L1351842, L1351887, L1353580, and L1353791. 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA Contract Laboratory

Program 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.

NWTPH-Gx Method:

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.

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), and 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 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. 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 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.**
- 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 L1350022 - Analytical batch WG1671708: Low levels of cis-1,2-dichloroethene, tetrachloroethene, and vinyl chloride are detected in the method blank. Actions are as follows:
 - cis-1,2-Dichloroethene is detected at 0.384 µg/L and above the RDL (0.100 µg/L). **cis-1,2-Dichloroethene results below the action level for samples MW-169-050721, MW-187-050721, and MW-185-050721 are qualified as not detected (U) due to method blank contamination.**
 - Tetrachloroethene is detected below the RDL. No action is needed for tetrachloroethene since all detections are greater than the RDL
 - Vinyl chloride is detected at 0.116 µg/L and above the RDL 0.100 µg/L. No action is needed for vinyl chloride since all detections are greater than the blank detection.

- SDG L1353791 – Analytical batch WG1676889: A low level of methylene chloride is detected below the RDL. No action is needed since methylene chloride 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) was not detected in the method blanks at or above the RDLs with the following exceptions:

- o SDG L1351887 – Analytical batch WG1671666: A low level of gasoline was detected below the RDL in the method blank and trip blank. **The associated gasoline detection in sample MW-949-051121 is qualified as not-detected (U) due to method or trip blank contamination.**
- o SDG L1351887 – Analytical batch WG1671746: A low level of gasoline was detected below the RDL in the method blank and trip blank. **The associated gasoline detection in sample MW125-051121 is qualified as not-detected (U) due to method or trip 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, Chloride, Sulfate, Nitrate, Nitrite, and TOC):

Laboratory method blanks were included with the analytical batches per method requirement. 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/or metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1350022	WG1670772	9060A	TOC	374	J	1000	µg/L	NO
L1350022	WG1670774	9060A	TOC	332	J	1000	µg/L	NO
L1351842	WG1676371	9060A	TOC	392	J	1000	µg/L	NO
L1351887	WG1676371	9060A	TOC	392	J	1000	µg/L	NO
L1353580	WG1678850	9060A	TOC	659	J	1000	µg/L	NO
L1353791	WG1679853	9060A	TOC	392	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:

Three trip blanks (TB-050721, TB-051021 and TB-051121) 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 L1350022: A low level of toluene is detected below the RDL in the trip blank (TB-050721). Actions are as follows:
 - Low levels of toluene were also detected in samples MW-187-050721, MW-188-050721, MW-186-050721 MW-169-050721, and MW-185-050721. **Toluene results for these samples are qualified as not detected (U) due to trip blank contamination.**
- SDG L1351887: Low levels of gasoline, acetone and toluene are detected either above or below the RDL in the trip blank (TB-051121). Actions are as follows:
 - **Associated gasoline detections below the RDL in samples MW-949-051121 and MW125-051121 are qualified as not-detected (U) due to method or trip blank contamination.**
 - **Acetone was detected at 1.01 µg/L and slightly above the RDL of 1.0 µg/L.** No action is taken since associated acetone detections are greater than the trip blank detection.
 - **Toluene detection is below the RDL in sample MW127-051121 and is qualified as not-detected (U) due to trip blank contamination.**

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-051421 associated with SDG L1353580) was collected. Details are as follows:

- Equipment blank (EQ-051421) is associated with all samples collected from the bladder pump on May 14, 2021. Specifically, the equipment blank is associated with samples MW112-051421, MW-301-051421, MW102-051421, MW-190-051421, MW-189-051421, and MW-952-051421. 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, tetrachloroethene, toluene, and 1,2,3-trimethylbenzene are detected in the equipment blank. No action is needed for benzene, 1,2,3-trimethylbenzene, cis-1,2-dichloroethene, tetrachloroethene as all sample detections are above the RDL or are not detected. Actions for acetone and toluene are as follows:
 - Acetone was detected above the RDL at 3.36 µg/L. **Associated acetone results for samples MW102-051421, MW112-051421, MW-189-051421, MW-301-051421, and MW-952-051421 are detected above the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.**
 - Toluene is detected above the RDL of 0.0500 µg/L at 0.351 µg/L. **Associated toluene results for samples MW102-051421, MW112-051421, MW-189-**

051421, MW-190-051421, MW-301-051421, and MW-952-051421 are detected below the RDL and below the established action level. These results are qualified as not detected (U) due to equipment blank contamination.

Field Duplicate Analyses

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

- SDG L1351887: Sample MW125-051121 and field duplicate sample MW-949-051121. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL) for the field duplicate pair.
- SDG L1353580: Sample MW-301-051421 and field duplicate sample MW-952-051421. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 1 \times$ RDL for groundwater results $< 5 \times$ 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.

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%.

NWTPH-Gx Method:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results associated with SDG L1284447 for precision data.

USEPA Method 6020B:

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

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, Nitrite, 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 $\pm 1 \times$ RDL for groundwater results $< 5 \times$ 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 on associated samples.

NWTPH-Gx Method:

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 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 discussions:

- SDGs L1351842 and L1351887 - Analytical batch WG1673104: LCS/LCSD RPD recovery for dichlorodifluoromethane is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.

NWTPH-Gx Method:

The LCS % Rs or matrix spike % Rs and RPDs for the target compound (gasoline) are within the laboratory control criteria for waters. In one case, no measure of precision is provided with the analytical batch. 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, Chloride, Sulfate, Nitrate, Nitrite, 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 spike analyses were performed in one instance on a non-client sample associated with SDG L1350022. Two RPDs exceed acceptance criteria and are laboratory qualified (J3). No action is taken on this basis since the spike was performed on a non-client sample within the analytical batch. Refer to LCS/LCSD and field duplicate results for precision data.

NWTPH-Gx Method:

Gasoline analysis was only requested on the following SDG:

- SDG L1284447 - Analytical batch WG1577448: MS/MSD analyses were performed on a non-client sample. The MS/MSD % Rs and RPD are acceptable. Refer to LCS results for additional accuracy data.

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

MS/MSD spike analyses were performed in one instance on a non-client sample associated with SDG L1353580. Recoveries are elevated and laboratory qualified (J5). No action is taken on this basis since the spike was performed on a non-client sample within the analytical batch. Refer to LCS/LCSD or laboratory duplicate data 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.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, Nitrite, 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/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 discussion:

- SDGs L1353580: Matrix spikes were performed on client and on non-client samples. Sulfate spike results are laboratory qualified (E) to indicate that the sample amount exceeds the upper calibration limit. Nitrite spike recoveries were not recovered and are laboratory qualified (J6) to indicate matrix interference. 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. A laboratory note (sample narrative) indicates the following:

- SDG L1353580 – Analytical Batch WG1677782: Sample W-TOTE-051421 VOC results indicates that the lowest possible dilution was a 10X dilution due to sample matrix. No action is taken other than to note that this is a waste characterization sample.

Data Assessment

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

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA Contract Laboratory Program 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	23600		594	5000	1	05/21/2021 04:05	WG1672952

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4910		102	1000	1	05/14/2021 22:02	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5670		28.1	100	1	05/24/2021 23:27	WG1674175
Manganese	850		3.52	25.0	5	05/25/2021 19:06	WG1674175

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4770		0.287	0.678	1	05/13/2021 09:18	WG1669120
Ethane	U		0.296	1.29	1	05/13/2021 09:18	WG1669120
Ethene	U		0.422	1.27	1	05/13/2021 09:18	WG1669120

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		54.8	100	100	05/17/2021 09:22	WG1671708
Acrylonitrile	U		7.60	50.0	100	05/17/2021 09:22	WG1671708
Benzene	U		1.60	4.00	100	05/17/2021 09:22	WG1671708
Bromobenzene	U		4.20	50.0	100	05/17/2021 09:22	WG1671708
Bromodichloromethane	U		3.15	10.0	100	05/17/2021 09:22	WG1671708
Bromoform	U		23.9	100	100	05/17/2021 09:22	WG1671708
Bromomethane	U		14.8	50.0	100	05/17/2021 09:22	WG1671708
n-Butylbenzene	U		15.3	50.0	100	05/17/2021 09:22	WG1671708
sec-Butylbenzene	U		10.1	50.0	100	05/17/2021 09:22	WG1671708
tert-Butylbenzene	U		6.20	20.0	100	05/17/2021 09:22	WG1671708
Carbon tetrachloride	U		4.32	20.0	100	05/17/2021 09:22	WG1671708
Chlorobenzene	U		2.29	10.0	100	05/17/2021 09:22	WG1671708
Chlorodibromomethane	U		1.80	10.0	100	05/17/2021 09:22	WG1671708
Chloroethane	U		4.32	20.0	100	05/17/2021 09:22	WG1671708
Chloroform	U		1.66	10.0	100	05/17/2021 09:22	WG1671708
Chloromethane	U		5.56	50.0	100	05/17/2021 09:22	WG1671708
2-Chlorotoluene	U		3.68	10.0	100	05/17/2021 09:22	WG1671708
4-Chlorotoluene	U		4.52	20.0	100	05/17/2021 09:22	WG1671708
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/17/2021 09:22	WG1671708
1,2-Dibromoethane	U		2.10	10.0	100	05/17/2021 09:22	WG1671708
Dibromomethane	U		4.00	20.0	100	05/17/2021 09:22	WG1671708
1,2-Dichlorobenzene	U		5.80	20.0	100	05/17/2021 09:22	WG1671708
1,3-Dichlorobenzene	U		6.80	20.0	100	05/17/2021 09:22	WG1671708
1,4-Dichlorobenzene	U		7.88	20.0	100	05/17/2021 09:22	WG1671708
Dichlorodifluoromethane	U		3.27	10.0	100	05/17/2021 09:22	WG1671708
1,1-Dichloroethane	U		2.30	10.0	100	05/17/2021 09:22	WG1671708
1,2-Dichloroethane	U		1.90	10.0	100	05/17/2021 09:22	WG1671708
1,1-Dichloroethene	27.8		2.00	10.0	100	05/17/2021 09:22	WG1671708
cis-1,2-Dichloroethene	538		2.76	10.0	100	05/17/2021 09:22	WG1671708
trans-1,2-Dichloroethene	20.4		5.72	20.0	100	05/17/2021 09:22	WG1671708
1,2-Dichloropropane	U		5.08	20.0	100	05/17/2021 09:22	WG1671708

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

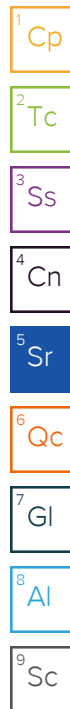
7 Gl

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	05/17/2021 09:22	WG1671708
1,3-Dichloropropane	U		7.00	20.0	100	05/17/2021 09:22	WG1671708
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/17/2021 09:22	WG1671708
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/17/2021 09:22	WG1671708
2,2-Dichloropropane	U		3.17	10.0	100	05/17/2021 09:22	WG1671708
Di-isopropyl ether	U		1.40	4.00	100	05/17/2021 09:22	WG1671708
Ethylbenzene	U		2.12	10.0	100	05/17/2021 09:22	WG1671708
Hexachloro-1,3-butadiene	U		50.8	100	100	05/17/2021 09:22	WG1671708
Isopropylbenzene	U		3.45	10.0	100	05/17/2021 09:22	WG1671708
p-Isopropyltoluene	U		9.32	20.0	100	05/17/2021 09:22	WG1671708
2-Butanone (MEK)	U		50.0	100	100	05/17/2021 09:22	WG1671708
Methylene Chloride	U		26.5	100	100	05/17/2021 09:22	WG1671708
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/17/2021 09:22	WG1671708
Methyl tert-butyl ether	U		1.18	4.00	100	05/17/2021 09:22	WG1671708
Naphthalene	U		12.4	50.0	100	05/17/2021 09:22	WG1671708
n-Propylbenzene	U		4.72	20.0	100	05/17/2021 09:22	WG1671708
Styrene	U		10.9	50.0	100	05/17/2021 09:22	WG1671708
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/17/2021 09:22	WG1671708
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/17/2021 09:22	WG1671708
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/17/2021 09:22	WG1671708
Tetrachloroethene	1100		2.80	10.0	100	05/17/2021 09:22	WG1671708
Toluene	U		5.00	20.0	100	05/17/2021 09:22	WG1671708
1,2,3-Trichlorobenzene	U	UJ C4	2.50	50.0	100	05/17/2021 09:22	WG1671708
1,2,4-Trichlorobenzene	U	UJ C4	19.3	50.0	100	05/17/2021 09:22	WG1671708
1,1,1-Trichloroethane	U		1.10	10.0	100	05/17/2021 09:22	WG1671708
1,1,2-Trichloroethane	U		3.53	10.0	100	05/17/2021 09:22	WG1671708
Trichloroethene	1410		1.60	4.00	100	05/17/2021 09:22	WG1671708
Trichlorofluoromethane	U		2.00	10.0	100	05/17/2021 09:22	WG1671708
1,2,3-Trichloropropane	U		20.4	50.0	100	05/17/2021 09:22	WG1671708
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/17/2021 09:22	WG1671708
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/17/2021 09:22	WG1671708
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/17/2021 09:22	WG1671708
Vinyl chloride	21.0		2.73	10.0	100	05/17/2021 20:02	WG1672061
Xylenes, Total	U		19.1	26.0	100	05/17/2021 09:22	WG1671708
Ethyl Ether	U		1.70	10.0	100	05/17/2021 09:22	WG1671708
Tetrahydrofuran	U		9.00	50.0	100	05/17/2021 09:22	WG1671708
Iodomethane	U		24.2	50.0	100	05/17/2021 09:22	WG1671708
Allyl chloride	U		58.0	100	100	05/17/2021 09:22	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	5.60	20.0	100	05/17/2021 09:22	WG1671708
(S) Toluene-d8	104			75.0-131		05/17/2021 09:22	WG1671708
(S) Toluene-d8	103			75.0-131		05/17/2021 20:02	WG1672061
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 09:22	WG1671708
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 20:02	WG1672061
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/17/2021 09:22	WG1671708
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/17/2021 20:02	WG1672061



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16900		594	5000	1	05/21/2021 04:18	WG1672952

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14600		102	1000	1	05/14/2021 22:22	WG1670772

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2570		28.1	100	1	05/24/2021 23:31	WG1674175
Manganese	1020		3.52	25.0	5	05/25/2021 19:10	WG1674175

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	31400		2.87	6.78	10	05/13/2021 16:12	WG1670238
Ethane	52.0		0.296	1.29	1	05/13/2021 09:22	WG1669120
Ethene	1990		0.422	1.27	1	05/13/2021 09:22	WG1669120

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	529		274	500	500	05/17/2021 09:41	WG1671708
Acrylonitrile	U		38.0	250	500	05/17/2021 09:41	WG1671708
Benzene	U		8.00	20.0	500	05/17/2021 09:41	WG1671708
Bromobenzene	U		21.0	250	500	05/17/2021 09:41	WG1671708
Bromodichloromethane	U		15.8	50.0	500	05/17/2021 09:41	WG1671708
Bromoform	U		120	500	500	05/17/2021 09:41	WG1671708
Bromomethane	U		74.0	250	500	05/17/2021 09:41	WG1671708
n-Butylbenzene	U		76.5	250	500	05/17/2021 09:41	WG1671708
sec-Butylbenzene	U		50.5	250	500	05/17/2021 09:41	WG1671708
tert-Butylbenzene	U		31.0	100	500	05/17/2021 09:41	WG1671708
Carbon tetrachloride	U		21.6	100	500	05/17/2021 09:41	WG1671708
Chlorobenzene	U		11.5	50.0	500	05/17/2021 09:41	WG1671708
Chlorodibromomethane	U		9.00	50.0	500	05/17/2021 09:41	WG1671708
Chloroethane	U		21.6	100	500	05/17/2021 09:41	WG1671708
Chloroform	U		8.30	50.0	500	05/17/2021 09:41	WG1671708
Chloromethane	U		27.8	250	500	05/17/2021 09:41	WG1671708
2-Chlorotoluene	U		18.4	50.0	500	05/17/2021 09:41	WG1671708
4-Chlorotoluene	U		22.6	100	500	05/17/2021 09:41	WG1671708
1,2-Dibromo-3-Chloropropane	U		102	500	500	05/17/2021 09:41	WG1671708
1,2-Dibromoethane	U		10.5	50.0	500	05/17/2021 09:41	WG1671708
Dibromomethane	U		20.0	100	500	05/17/2021 09:41	WG1671708
1,2-Dichlorobenzene	U		29.0	100	500	05/17/2021 09:41	WG1671708
1,3-Dichlorobenzene	U		34.0	100	500	05/17/2021 09:41	WG1671708
1,4-Dichlorobenzene	U		39.4	100	500	05/17/2021 09:41	WG1671708
Dichlorodifluoromethane	U		16.4	50.0	500	05/17/2021 09:41	WG1671708
1,1-Dichloroethane	U		11.5	50.0	500	05/17/2021 09:41	WG1671708
1,2-Dichloroethane	U		9.50	50.0	500	05/17/2021 09:41	WG1671708
1,1-Dichloroethene	15.5	J	10.0	50.0	500	05/17/2021 09:41	WG1671708
cis-1,2-Dichloroethene	3980		13.8	50.0	500	05/17/2021 09:41	WG1671708
trans-1,2-Dichloroethene	178		28.6	100	500	05/17/2021 09:41	WG1671708
1,2-Dichloropropane	U		25.4	100	500	05/17/2021 09:41	WG1671708

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		14.0	50.0	500	05/17/2021 09:41	WG1671708
1,3-Dichloropropane	U		35.0	100	500	05/17/2021 09:41	WG1671708
cis-1,3-Dichloropropene	U		13.6	50.0	500	05/17/2021 09:41	WG1671708
trans-1,3-Dichloropropene	U		30.6	100	500	05/17/2021 09:41	WG1671708
2,2-Dichloropropane	U		15.9	50.0	500	05/17/2021 09:41	WG1671708
Di-isopropyl ether	U		7.00	20.0	500	05/17/2021 09:41	WG1671708
Ethylbenzene	U		10.6	50.0	500	05/17/2021 09:41	WG1671708
Hexachloro-1,3-butadiene	U		254	500	500	05/17/2021 09:41	WG1671708
Isopropylbenzene	U		17.2	50.0	500	05/17/2021 09:41	WG1671708
p-Isopropyltoluene	U		46.6	100	500	05/17/2021 09:41	WG1671708
2-Butanone (MEK)	U		250	500	500	05/17/2021 09:41	WG1671708
Methylene Chloride	U		133	500	500	05/17/2021 09:41	WG1671708
4-Methyl-2-pentanone (MIBK)	U		200	500	500	05/17/2021 09:41	WG1671708
Methyl tert-butyl ether	U		5.90	20.0	500	05/17/2021 09:41	WG1671708
Naphthalene	U		62.0	250	500	05/17/2021 09:41	WG1671708
n-Propylbenzene	U		23.6	100	500	05/17/2021 09:41	WG1671708
Styrene	U		54.5	250	500	05/17/2021 09:41	WG1671708
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	05/17/2021 09:41	WG1671708
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	05/17/2021 09:41	WG1671708
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	05/17/2021 09:41	WG1671708
Tetrachloroethene	U		14.0	50.0	500	05/17/2021 20:21	WG1672061
Toluene	U		25.0	100	500	05/17/2021 09:41	WG1671708
1,2,3-Trichlorobenzene	U	UJ C4	12.5	250	500	05/17/2021 09:41	WG1671708
1,2,4-Trichlorobenzene	U	UJ C4	96.5	250	500	05/17/2021 09:41	WG1671708
1,1,1-Trichloroethane	U		5.50	50.0	500	05/17/2021 09:41	WG1671708
1,1,2-Trichloroethane	U		17.7	50.0	500	05/17/2021 09:41	WG1671708
Trichloroethene	U		8.00	20.0	500	05/17/2021 09:41	WG1671708
Trichlorofluoromethane	U		10.0	50.0	500	05/17/2021 09:41	WG1671708
1,2,3-Trichloropropane	U		102	250	500	05/17/2021 09:41	WG1671708
1,2,4-Trimethylbenzene	U		23.2	100	500	05/17/2021 09:41	WG1671708
1,2,3-Trimethylbenzene	U		23.0	100	500	05/17/2021 09:41	WG1671708
1,3,5-Trimethylbenzene	U		21.6	100	500	05/17/2021 09:41	WG1671708
Vinyl chloride	12000		13.6	50.0	500	05/17/2021 09:41	WG1671708
Xylenes, Total	U		95.5	130	500	05/17/2021 09:41	WG1671708
Ethyl Ether	U		8.50	50.0	500	05/17/2021 09:41	WG1671708
Tetrahydrofuran	U		45.0	250	500	05/17/2021 09:41	WG1671708
Iodomethane	U		121	250	500	05/17/2021 09:41	WG1671708
Allyl chloride	U		290	500	500	05/17/2021 09:41	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	28.0	100	500	05/17/2021 09:41	WG1671708
(S) Toluene-d8	99.5			75.0-131		05/17/2021 09:41	WG1671708
(S) Toluene-d8	101			75.0-131		05/17/2021 20:21	WG1672061
(S) 4-Bromofluorobenzene	107			67.0-138		05/17/2021 09:41	WG1671708
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 20:21	WG1672061
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/17/2021 09:41	WG1671708
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/17/2021 20:21	WG1672061



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	32900		594	5000	1	05/21/2021 04:31	WG1672952

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8030		102	1000	1	05/17/2021 18:39	WG1670774

Metals (ICPMS) by Method 6020B

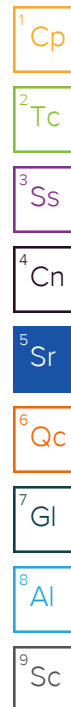
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5330		28.1	100	1	05/24/2021 23:35	WG1674175
Manganese	420		3.52	25.0	5	05/25/2021 19:13	WG1674175

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	3200		0.287	0.678	1	05/13/2021 09:32	WG1669120
Ethane	33.1		0.296	1.29	1	05/13/2021 09:32	WG1669120
Ethene	529		0.422	1.27	1	05/13/2021 09:32	WG1669120

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	55.3		27.4	50.0	50	05/17/2021 10:00	WG1671708
Acrylonitrile	U		3.80	25.0	50	05/17/2021 10:00	WG1671708
Benzene	U		0.800	2.00	50	05/17/2021 10:00	WG1671708
Bromobenzene	U		2.10	25.0	50	05/17/2021 10:00	WG1671708
Bromodichloromethane	U		1.58	5.00	50	05/17/2021 10:00	WG1671708
Bromoform	U		12.0	50.0	50	05/17/2021 10:00	WG1671708
Bromomethane	U		7.40	25.0	50	05/17/2021 10:00	WG1671708
n-Butylbenzene	U		7.65	25.0	50	05/17/2021 10:00	WG1671708
sec-Butylbenzene	U		5.05	25.0	50	05/17/2021 10:00	WG1671708
tert-Butylbenzene	U		3.10	10.0	50	05/17/2021 10:00	WG1671708
Carbon tetrachloride	U		2.16	10.0	50	05/17/2021 10:00	WG1671708
Chlorobenzene	U		1.15	5.00	50	05/17/2021 10:00	WG1671708
Chlorodibromomethane	U		0.900	5.00	50	05/17/2021 10:00	WG1671708
Chloroethane	U		2.16	10.0	50	05/17/2021 10:00	WG1671708
Chloroform	U		0.830	5.00	50	05/17/2021 10:00	WG1671708
Chloromethane	U		2.78	25.0	50	05/17/2021 10:00	WG1671708
2-Chlorotoluene	U		1.84	5.00	50	05/17/2021 10:00	WG1671708
4-Chlorotoluene	U		2.26	10.0	50	05/17/2021 10:00	WG1671708
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	05/17/2021 10:00	WG1671708
1,2-Dibromoethane	U		1.05	5.00	50	05/17/2021 10:00	WG1671708
Dibromomethane	U		2.00	10.0	50	05/17/2021 10:00	WG1671708
1,2-Dichlorobenzene	U		2.90	10.0	50	05/17/2021 10:00	WG1671708
1,3-Dichlorobenzene	U		3.40	10.0	50	05/17/2021 10:00	WG1671708
1,4-Dichlorobenzene	U		3.94	10.0	50	05/17/2021 10:00	WG1671708
Dichlorodifluoromethane	U		1.64	5.00	50	05/17/2021 10:00	WG1671708
1,1-Dichloroethane	U		1.15	5.00	50	05/17/2021 10:00	WG1671708
1,2-Dichloroethane	U		0.950	5.00	50	05/17/2021 10:00	WG1671708
1,1-Dichloroethene	9.60		1.00	5.00	50	05/17/2021 10:00	WG1671708
cis-1,2-Dichloroethene	1050		1.38	5.00	50	05/17/2021 10:00	WG1671708
trans-1,2-Dichloroethene	5.35	J	2.86	10.0	50	05/17/2021 10:00	WG1671708
1,2-Dichloropropane	U		2.54	10.0	50	05/17/2021 10:00	WG1671708



Volatile Organic 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	05/17/2021 10:00	WG1671708
1,3-Dichloropropane	U		3.50	10.0	50	05/17/2021 10:00	WG1671708
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/17/2021 10:00	WG1671708
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/17/2021 10:00	WG1671708
2,2-Dichloropropane	U		1.59	5.00	50	05/17/2021 10:00	WG1671708
Di-isopropyl ether	U		0.700	2.00	50	05/17/2021 10:00	WG1671708
Ethylbenzene	U		1.06	5.00	50	05/17/2021 10:00	WG1671708
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/17/2021 10:00	WG1671708
Isopropylbenzene	U		1.73	5.00	50	05/17/2021 10:00	WG1671708
p-Isopropyltoluene	U		4.66	10.0	50	05/17/2021 10:00	WG1671708
2-Butanone (MEK)	U		25.0	50.0	50	05/17/2021 10:00	WG1671708
Methylene Chloride	U		13.3	50.0	50	05/17/2021 10:00	WG1671708
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	05/17/2021 10:00	WG1671708
Methyl tert-butyl ether	U		0.590	2.00	50	05/17/2021 10:00	WG1671708
Naphthalene	U		6.20	25.0	50	05/17/2021 10:00	WG1671708
n-Propylbenzene	U		2.36	10.0	50	05/17/2021 10:00	WG1671708
Styrene	U		5.45	25.0	50	05/17/2021 10:00	WG1671708
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/17/2021 10:00	WG1671708
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	05/17/2021 10:00	WG1671708
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/17/2021 10:00	WG1671708
Tetrachloroethene	U		1.40	5.00	50	05/17/2021 10:00	WG1671708
Toluene	U		2.50	10.0	50	05/17/2021 10:00	WG1671708
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	05/17/2021 10:00	WG1671708
1,2,4-Trichlorobenzene	U	UJ C4	9.65	25.0	50	05/17/2021 10:00	WG1671708
1,1,1-Trichloroethane	U		0.550	5.00	50	05/17/2021 10:00	WG1671708
1,1,2-Trichloroethane	U		1.77	5.00	50	05/17/2021 10:00	WG1671708
Trichloroethene	U		0.800	2.00	50	05/17/2021 10:00	WG1671708
Trichlorofluoromethane	U		1.00	5.00	50	05/17/2021 10:00	WG1671708
1,2,3-Trichloropropane	U		10.2	25.0	50	05/17/2021 10:00	WG1671708
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/17/2021 10:00	WG1671708
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/17/2021 10:00	WG1671708
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/17/2021 10:00	WG1671708
Vinyl chloride	907		1.36	5.00	50	05/17/2021 10:00	WG1671708
Xylenes, Total	U		9.55	13.0	50	05/17/2021 10:00	WG1671708
Ethyl Ether	U		0.850	5.00	50	05/17/2021 10:00	WG1671708
Tetrahydrofuran	U		4.50	25.0	50	05/17/2021 10:00	WG1671708
Iodomethane	U		12.1	25.0	50	05/17/2021 10:00	WG1671708
Allyl chloride	U		29.0	50.0	50	05/17/2021 10:00	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	2.80	10.0	50	05/17/2021 10:00	WG1671708
(S) Toluene-d8	101			75.0-131		05/17/2021 10:00	WG1671708
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2021 10:00	WG1671708
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/17/2021 10:00	WG1671708

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

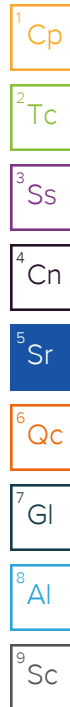
8 Al

9 Sc

JC 6/25/2021

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	U		0.548	1.00	1	05/17/2021 05:17	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 05:17	WG1671708
Benzene	U		0.0160	0.0400	1	05/17/2021 05:17	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 05:17	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 05:17	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 05:17	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 05:17	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 05:17	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 05:17	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 05:17	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 05:17	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 05:17	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 05:17	WG1671708
Chloroethane	U		0.0432	0.200	1	05/17/2021 05:17	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 05:17	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 05:17	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 05:17	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 05:17	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 05:17	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 05:17	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 05:17	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 05:17	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 05:17	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 05:17	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 05:17	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 05:17	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 05:17	WG1671708
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2021 05:17	WG1671708
cis-1,2-Dichloroethene	0.185	U	0.0276	0.100	1	05/17/2021 16:54	WG1672061
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2021 05:17	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 05:17	WG1671708
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2021 05:17	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 05:17	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 05:17	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 05:17	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 05:17	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 05:17	WG1671708
Ethylbenzene	U		0.0212	0.100	1	05/17/2021 05:17	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 05:17	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 05:17	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 05:17	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 05:17	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 05:17	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 05:17	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 05:17	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 05:17	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 05:17	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 05:17	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 05:17	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 05:17	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 05:17	WG1671708
Tetrachloroethene	U		0.0280	0.100	1	05/17/2021 16:54	WG1672061
Toluene	0.124	U	0.0500	0.200	1	05/17/2021 05:17	WG1671708
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	05/17/2021 05:17	WG1671708
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	05/17/2021 05:17	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 05:17	WG1671708



JC 6/25/2021

MW-187-050721

SAMPLE RESULTS - 04

Collected date/time: 05/07/21 12:00

L1350022

Volatile Organic 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	05/17/2021 05:17	WG1671708
Trichloroethene	U		0.0160	0.0400	1	05/17/2021 05:17	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 05:17	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 05:17	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 05:17	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 05:17	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 05:17	WG1671708
Vinyl chloride	1.77		0.0273	0.100	1	05/17/2021 05:17	WG1671708
Xylenes, Total	U		0.191	0.260	1	05/17/2021 05:17	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 05:17	WG1671708
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2021 05:17	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 05:17	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 05:17	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2021 05:17	WG1671708
(S) Toluene-d8	100			75.0-131		05/17/2021 05:17	WG1671708
(S) Toluene-d8	103			75.0-131		05/17/2021 16:54	WG1672061
(S) 4-Bromofluorobenzene	107			67.0-138		05/17/2021 05:17	WG1671708
(S) 4-Bromofluorobenzene	99.5			67.0-138		05/17/2021 16:54	WG1672061
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/17/2021 05:17	WG1671708
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 16:54	WG1672061

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

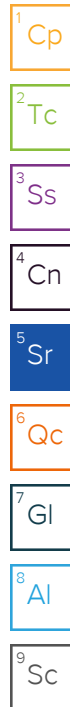
8 Al

9 Sc

JC 6/25/2021

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	U		0.548	1.00	1	05/17/2021 05:35	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 05:35	WG1671708
Benzene	U		0.0160	0.0400	1	05/17/2021 05:35	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 05:35	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 05:35	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 05:35	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 05:35	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 05:35	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 05:35	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 05:35	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 05:35	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 05:35	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 05:35	WG1671708
Chloroethane	2.42		0.0432	0.200	1	05/17/2021 05:35	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 05:35	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 05:35	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 05:35	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 05:35	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 05:35	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 05:35	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 05:35	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 05:35	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 05:35	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 05:35	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 05:35	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 05:35	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 05:35	WG1671708
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2021 05:35	WG1671708
cis-1,2-Dichloroethene	0.448		0.0276	0.100	1	05/17/2021 17:12	WG1672061
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2021 05:35	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 05:35	WG1671708
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2021 05:35	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 05:35	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 05:35	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 05:35	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 05:35	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 05:35	WG1671708
Ethylbenzene	U		0.0212	0.100	1	05/17/2021 05:35	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 05:35	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 05:35	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 05:35	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 05:35	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 05:35	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 05:35	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 05:35	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 05:35	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 05:35	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 05:35	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 05:35	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 05:35	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 05:35	WG1671708
Tetrachloroethene	U		0.0280	0.100	1	05/17/2021 17:12	WG1672061
Toluene	0.130	U	0.0500	0.200	1	05/17/2021 05:35	WG1671708
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	05/17/2021 05:35	WG1671708
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	05/17/2021 05:35	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 05:35	WG1671708



JC 6/25/2021

MW-188-050721

SAMPLE RESULTS - 05

Collected date/time: 05/07/21 12:55

L1350022

Volatile Organic 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	05/17/2021 05:35	WG1671708
Trichloroethene	U		0.0160	0.0400	1	05/17/2021 05:35	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 05:35	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 05:35	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 05:35	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 05:35	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 05:35	WG1671708
Vinyl chloride	2.14		0.0273	0.100	1	05/17/2021 05:35	WG1671708
Xylenes, Total	U		0.191	0.260	1	05/17/2021 05:35	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 05:35	WG1671708
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2021 05:35	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 05:35	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 05:35	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2021 05:35	WG1671708
(S) Toluene-d8	102			75.0-131		05/17/2021 05:35	WG1671708
(S) Toluene-d8	103			75.0-131		05/17/2021 17:12	WG1672061
(S) 4-Bromofluorobenzene	102			67.0-138		05/17/2021 05:35	WG1671708
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2021 17:12	WG1672061
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/17/2021 05:35	WG1671708
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/17/2021 17:12	WG1672061

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

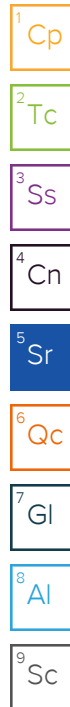
8 Al

9 Sc

JC 6/25/2021

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	U		0.548	1.00	1	05/17/2021 05:54	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 05:54	WG1671708
Benzene	0.0440		0.0160	0.0400	1	05/17/2021 05:54	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 05:54	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 05:54	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 05:54	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 05:54	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 05:54	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 05:54	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 05:54	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 05:54	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 05:54	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 05:54	WG1671708
Chloroethane	U		0.0432	0.200	1	05/17/2021 05:54	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 05:54	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 05:54	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 05:54	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 05:54	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 05:54	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 05:54	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 05:54	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 05:54	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 05:54	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 05:54	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 05:54	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 05:54	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 05:54	WG1671708
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2021 05:54	WG1671708
cis-1,2-Dichloroethene	0.393		0.0276	0.100	1	05/17/2021 18:47	WG1672061
trans-1,2-Dichloroethene	0.892		0.0572	0.200	1	05/17/2021 05:54	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 05:54	WG1671708
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2021 05:54	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 05:54	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 05:54	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 05:54	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 05:54	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 05:54	WG1671708
Ethylbenzene	U		0.0212	0.100	1	05/17/2021 05:54	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 05:54	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 05:54	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 05:54	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 05:54	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 05:54	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 05:54	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 05:54	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 05:54	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 05:54	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 05:54	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 05:54	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 05:54	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 05:54	WG1671708
Tetrachloroethene	0.179		0.0280	0.100	1	05/17/2021 18:47	WG1672061
Toluene	0.0950	U	0.0500	0.200	1	05/17/2021 05:54	WG1671708
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	05/17/2021 05:54	WG1671708
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	05/17/2021 05:54	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 05:54	WG1671708



JC 6/25/2021

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	05/17/2021 05:54	WG1671708
Trichloroethene	0.123		0.0160	0.0400	1	05/17/2021 05:54	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 05:54	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 05:54	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 05:54	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 05:54	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 05:54	WG1671708
Vinyl chloride	4.67		0.0273	0.100	1	05/17/2021 05:54	WG1671708
Xylenes, Total	U		0.191	0.260	1	05/17/2021 05:54	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 05:54	WG1671708
Tetrahydrofuran	1.07		0.0900	0.500	1	05/17/2021 05:54	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 05:54	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 05:54	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2021 05:54	WG1671708
(S) Toluene-d8	103			75.0-131		05/17/2021 05:54	WG1671708
(S) Toluene-d8	101			75.0-131		05/17/2021 18:47	WG1672061
(S) 4-Bromofluorobenzene	108			67.0-138		05/17/2021 05:54	WG1671708
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 18:47	WG1672061
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/17/2021 05:54	WG1671708
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/17/2021 18:47	WG1672061

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	9360		594	5000	1	05/21/2021 05:38	WG1672952

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	19700		102	1000	1	05/17/2021 19:08	WG1670774

Metals (ICPMS) by Method 6020B

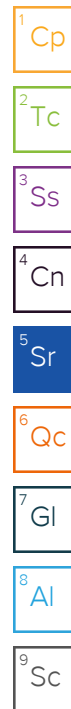
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4220		28.1	100	1	05/24/2021 23:38	WG1674175
Manganese	1360		7.04	50.0	10	05/25/2021 19:16	WG1674175

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	7940		2.87	6.78	10	05/13/2021 16:21	WG1670238
Ethane	68.6		0.296	1.29	1	05/13/2021 09:36	WG1669120
Ethene	25.8		0.422	1.27	1	05/13/2021 09:36	WG1669120

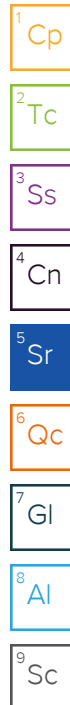
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.53		0.548	1.00	1	05/17/2021 06:13	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 06:13	WG1671708
Benzene	0.0800		0.0160	0.0400	1	05/17/2021 06:13	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 06:13	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 06:13	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 06:13	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 06:13	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 06:13	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 06:13	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 06:13	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 06:13	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 06:13	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 06:13	WG1671708
Chloroethane	U		0.0432	0.200	1	05/17/2021 06:13	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 06:13	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 06:13	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 06:13	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 06:13	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 06:13	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 06:13	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 06:13	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 06:13	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 06:13	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 06:13	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 06:13	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 06:13	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 06:13	WG1671708
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2021 06:13	WG1671708
cis-1,2-Dichloroethene	0.0680 U		0.0276	0.100	1	05/17/2021 19:06	WG1672061
trans-1,2-Dichloroethene	0.469		0.0572	0.200	1	05/17/2021 06:13	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 06:13	WG1671708



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

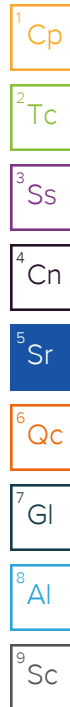
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2021 06:13	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 06:13	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 06:13	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 06:13	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 06:13	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 06:13	WG1671708
Ethylbenzene	U		0.0212	0.100	1	05/17/2021 06:13	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 06:13	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 06:13	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 06:13	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 06:13	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 06:13	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 06:13	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 06:13	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 06:13	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 06:13	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 06:13	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 06:13	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 06:13	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 06:13	WG1671708
Tetrachloroethene	U		0.0280	0.100	1	05/17/2021 19:06	WG1672061
Toluene	0.179	U	0.0500	0.200	1	05/17/2021 06:13	WG1671708
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/17/2021 06:13	WG1671708
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/17/2021 06:13	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 06:13	WG1671708
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2021 06:13	WG1671708
Trichloroethene	0.0340	U	0.0160	0.0400	1	05/17/2021 06:13	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 06:13	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 06:13	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 06:13	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 06:13	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 06:13	WG1671708
Vinyl chloride	0.680		0.0273	0.100	1	05/17/2021 19:06	WG1672061
Xylenes, Total	U		0.191	0.260	1	05/17/2021 06:13	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 06:13	WG1671708
Tetrahydrofuran	2.23		0.0900	0.500	1	05/17/2021 06:13	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 06:13	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 06:13	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2021 06:13	WG1671708
(S) Toluene-d8	101			75.0-131		05/17/2021 06:13	WG1671708
(S) Toluene-d8	104			75.0-131		05/17/2021 19:06	WG1672061
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2021 06:13	WG1671708
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 19:06	WG1672061
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/17/2021 06:13	WG1671708
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/17/2021 19:06	WG1672061



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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	0.782	J	0.548	1.00	1	05/17/2021 06:32	WG1671708
Acrylonitrile	U		0.0760	0.500	1	05/17/2021 06:32	WG1671708
Benzene	0.112		0.0160	0.0400	1	05/17/2021 06:32	WG1671708
Bromobenzene	U		0.0420	0.500	1	05/17/2021 06:32	WG1671708
Bromodichloromethane	U		0.0315	0.100	1	05/17/2021 06:32	WG1671708
Bromoform	U		0.239	1.00	1	05/17/2021 06:32	WG1671708
Bromomethane	U		0.148	0.500	1	05/17/2021 06:32	WG1671708
n-Butylbenzene	U		0.153	0.500	1	05/17/2021 06:32	WG1671708
sec-Butylbenzene	U		0.101	0.500	1	05/17/2021 06:32	WG1671708
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2021 06:32	WG1671708
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2021 06:32	WG1671708
Chlorobenzene	U		0.0229	0.100	1	05/17/2021 06:32	WG1671708
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2021 06:32	WG1671708
Chloroethane	U		0.0432	0.200	1	05/17/2021 06:32	WG1671708
Chloroform	U		0.0166	0.100	1	05/17/2021 06:32	WG1671708
Chloromethane	U		0.0556	0.500	1	05/17/2021 06:32	WG1671708
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2021 06:32	WG1671708
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2021 06:32	WG1671708
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2021 06:32	WG1671708
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2021 06:32	WG1671708
Dibromomethane	U		0.0400	0.200	1	05/17/2021 06:32	WG1671708
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2021 06:32	WG1671708
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2021 06:32	WG1671708
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2021 06:32	WG1671708
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2021 06:32	WG1671708
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2021 06:32	WG1671708
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2021 06:32	WG1671708
1,1-Dichloroethene	0.0390	J	0.0200	0.100	1	05/17/2021 06:32	WG1671708
cis-1,2-Dichloroethene	0.257	U	0.0276	0.100	1	05/17/2021 19:24	WG1672061
trans-1,2-Dichloroethene	0.0820	J	0.0572	0.200	1	05/17/2021 06:32	WG1671708
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2021 06:32	WG1671708
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2021 06:32	WG1671708
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2021 06:32	WG1671708
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2021 06:32	WG1671708
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2021 06:32	WG1671708
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2021 06:32	WG1671708
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2021 06:32	WG1671708
Ethylbenzene	U		0.0212	0.100	1	05/17/2021 06:32	WG1671708
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2021 06:32	WG1671708
Isopropylbenzene	U		0.0345	0.100	1	05/17/2021 06:32	WG1671708
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2021 06:32	WG1671708
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2021 06:32	WG1671708
Methylene Chloride	U		0.265	1.00	1	05/17/2021 06:32	WG1671708
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2021 06:32	WG1671708
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2021 06:32	WG1671708
Naphthalene	U		0.124	0.500	1	05/17/2021 06:32	WG1671708
n-Propylbenzene	U		0.0472	0.200	1	05/17/2021 06:32	WG1671708
Styrene	U		0.109	0.500	1	05/17/2021 06:32	WG1671708
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2021 06:32	WG1671708
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2021 06:32	WG1671708
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2021 06:32	WG1671708
Tetrachloroethene	0.168		0.0280	0.100	1	05/17/2021 19:24	WG1672061
Toluene	0.0640	U	0.0500	0.200	1	05/17/2021 06:32	WG1671708
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	05/17/2021 06:32	WG1671708
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	05/17/2021 06:32	WG1671708
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2021 06:32	WG1671708



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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	05/17/2021 06:32	WG1671708
Trichloroethene	0.0870		0.0160	0.0400	1	05/17/2021 06:32	WG1671708
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2021 06:32	WG1671708
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2021 06:32	WG1671708
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2021 06:32	WG1671708
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2021 06:32	WG1671708
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2021 06:32	WG1671708
Vinyl chloride	4.73		0.0273	0.100	1	05/17/2021 06:32	WG1671708
Xylenes, Total	U		0.191	0.260	1	05/17/2021 06:32	WG1671708
Ethyl Ether	U		0.0170	0.100	1	05/17/2021 06:32	WG1671708
Tetrahydrofuran	2.42		0.0900	0.500	1	05/17/2021 06:32	WG1671708
Iodomethane	U		0.242	0.500	1	05/17/2021 06:32	WG1671708
Allyl chloride	U		0.580	1.00	1	05/17/2021 06:32	WG1671708
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2021 06:32	WG1671708
(S) Toluene-d8	101			75.0-131		05/17/2021 06:32	WG1671708
(S) Toluene-d8	103			75.0-131		05/17/2021 19:24	WG1672061
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 06:32	WG1671708
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2021 19:24	WG1672061
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/17/2021 06:32	WG1671708
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/17/2021 19:24	WG1672061

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	49600		594	5000	1	05/24/2021 08:16	WG1675833

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1560	~~B~~	102	1000	1	05/24/2021 18:34	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	368		28.1	100	1	05/26/2021 13:07	WG1676728
Manganese	25.5		0.704	5.00	1	05/26/2021 13:07	WG1676728

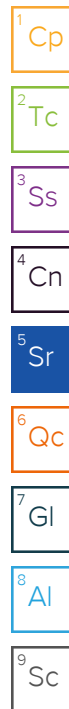
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	05/14/2021 12:58	WG1670252
Ethane	U		0.296	1.29	1	05/14/2021 12:58	WG1670252
Ethene	U		0.422	1.27	1	05/14/2021 12:58	WG1670252

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

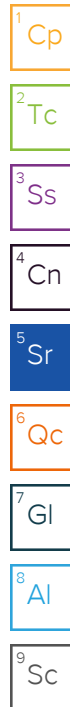
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.04	J+ ~~C5~~	0.548	1.00	1	05/20/2021 03:35	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 03:35	WG1673104
Benzene	U		0.0160	0.0400	1	05/20/2021 03:35	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 03:35	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 03:35	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 03:35	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 03:35	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 03:35	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 03:35	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 03:35	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 03:35	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 03:35	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 03:35	WG1673104
Chloroethane	U	UJ ~~C3~~	0.0432	0.200	1	05/20/2021 03:35	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 03:35	WG1673104
Chloromethane	U	UJ ~~C3~~	0.0556	0.500	1	05/20/2021 03:35	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 03:35	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 03:35	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 03:35	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 03:35	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 03:35	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 03:35	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 03:35	WG1673104
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 03:35	WG1673104
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.100	1	05/20/2021 03:35	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 03:35	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 03:35	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 03:35	WG1673104
cis-1,2-Dichloroethene	0.134		0.0276	0.100	1	05/20/2021 03:35	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 03:35	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 03:35	WG1673104

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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	05/20/2021 03:35	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 03:35	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 03:35	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 03:35	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 03:35	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 03:35	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 03:35	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 03:35	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 03:35	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 03:35	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 03:35	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 03:35	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 03:35	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 03:35	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 03:35	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 03:35	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 03:35	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 03:35	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 03:35	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 03:35	WG1673104
Tetrachloroethene	3.41		0.0280	0.100	1	05/20/2021 03:35	WG1673104
Toluene	U		0.0500	0.200	1	05/20/2021 03:35	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 03:35	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 03:35	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 03:35	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 03:35	WG1673104
Trichloroethene	0.453		0.0160	0.0400	1	05/20/2021 03:35	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 03:35	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 03:35	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 03:35	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 03:35	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 03:35	WG1673104
Vinyl chloride	U	UJ C3	0.0273	0.100	1	05/20/2021 03:35	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 03:35	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 03:35	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 03:35	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 03:35	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 03:35	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 03:35	WG1673104
(S) Toluene-d8	98.7			75.0-131		05/20/2021 03:35	WG1673104
(S) 4-Bromofluorobenzene	110			67.0-138		05/20/2021 03:35	WG1673104
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/20/2021 03:35	WG1673104



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	9430		594	5000	1	05/24/2021 08:43	WG1675833

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1150	~~B~~	102	1000	1	05/24/2021 19:24	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8360		28.1	100	1	05/26/2021 13:10	WG1676728
Manganese	474		0.704	5.00	1	05/26/2021 13:10	WG1676728

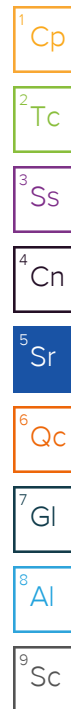
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	113		0.287	0.678	1	05/14/2021 13:02	WG1670252
Ethane	U		0.296	1.29	1	05/14/2021 13:02	WG1670252
Ethene	4.17		0.422	1.27	1	05/14/2021 13:02	WG1670252

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.09	~~J+~~ C5	0.548	1.00	1	05/20/2021 03:54	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 03:54	WG1673104
Benzene	U		0.0160	0.0400	1	05/20/2021 03:54	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 03:54	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 03:54	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 03:54	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 03:54	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 03:54	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 03:54	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 03:54	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 03:54	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 03:54	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 03:54	WG1673104
Chloroethane	U	~~UJ~~ C3	0.0432	0.200	1	05/20/2021 03:54	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 03:54	WG1673104
Chloromethane	U	~~UJ~~ C3	0.0556	0.500	1	05/20/2021 03:54	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 03:54	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 03:54	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 03:54	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 03:54	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 03:54	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 03:54	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 03:54	WG1673104
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 03:54	WG1673104
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.100	1	05/20/2021 03:54	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 03:54	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 03:54	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 03:54	WG1673104
cis-1,2-Dichloroethene	0.101		0.0276	0.100	1	05/20/2021 03:54	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 03:54	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 03:54	WG1673104

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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	05/20/2021 03:54	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 03:54	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 03:54	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 03:54	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 03:54	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 03:54	WG1673104
Ethylbenzene	0.0430	U	0.0212	0.100	1	05/20/2021 03:54	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 03:54	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 03:54	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 03:54	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 03:54	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 03:54	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 03:54	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 03:54	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 03:54	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 03:54	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 03:54	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 03:54	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 03:54	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 03:54	WG1673104
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 03:54	WG1673104
Toluene	U		0.0500	0.200	1	05/20/2021 03:54	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 03:54	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 03:54	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 03:54	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 03:54	WG1673104
Trichloroethene	U		0.0160	0.0400	1	05/20/2021 03:54	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 03:54	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 03:54	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 03:54	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 03:54	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 03:54	WG1673104
Vinyl chloride	1.15	J- C3	0.0273	0.100	1	05/20/2021 03:54	WG1673104
Xylenes, Total	0.323		0.191	0.260	1	05/20/2021 03:54	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 03:54	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 03:54	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 03:54	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 03:54	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 03:54	WG1673104
(S) Toluene-d8	99.9			75.0-131		05/20/2021 03:54	WG1673104
(S) 4-Bromofluorobenzene	108			67.0-138		05/20/2021 03:54	WG1673104
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/20/2021 03:54	WG1673104



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16700		594	5000	1	05/24/2021 09:21	WG1675833

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 date / time	Batch
TOC (Total Organic Carbon)	3820	~~B~~	102	1000	1	05/24/2021 20:09	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17300		28.1	100	1	05/26/2021 13:14	WG1676728
Manganese	551		0.704	5.00	1	05/26/2021 13:14	WG1676728

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1180		0.287	0.678	1	05/14/2021 13:16	WG1670252
Ethane	U		0.296	1.29	1	05/14/2021 13:16	WG1670252
Ethene	U		0.422	1.27	1	05/14/2021 13:16	WG1670252

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.05	J+ C5	0.548	1.00	1	05/20/2021 04:13	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 04:13	WG1673104
Benzene	U		0.0160	0.0400	1	05/20/2021 04:13	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 04:13	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 04:13	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 04:13	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 04:13	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 04:13	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 04:13	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 04:13	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 04:13	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 04:13	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 04:13	WG1673104
Chloroethane	U	UJ C3	0.0432	0.200	1	05/20/2021 04:13	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 04:13	WG1673104
Chloromethane	U	UJ C3	0.0556	0.500	1	05/20/2021 04:13	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 04:13	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 04:13	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 04:13	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 04:13	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 04:13	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 04:13	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 04:13	WG1673104
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 04:13	WG1673104
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.100	1	05/20/2021 04:13	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 04:13	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 04:13	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 04:13	WG1673104
cis-1,2-Dichloroethene	0.0900	J	0.0276	0.100	1	05/20/2021 04:13	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 04:13	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 04:13	WG1673104

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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	05/20/2021 04:13	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 04:13	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 04:13	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 04:13	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 04:13	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 04:13	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 04:13	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 04:13	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 04:13	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 04:13	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 04:13	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 04:13	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 04:13	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 04:13	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 04:13	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 04:13	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 04:13	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 04:13	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 04:13	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 04:13	WG1673104
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 04:13	WG1673104
Toluene	0.0750	J	0.0500	0.200	1	05/20/2021 04:13	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 04:13	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 04:13	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 04:13	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 04:13	WG1673104
Trichloroethene	0.0920		0.0160	0.0400	1	05/20/2021 04:13	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 04:13	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 04:13	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 04:13	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 04:13	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 04:13	WG1673104
Vinyl chloride	0.326	J- C3	0.0273	0.100	1	05/20/2021 04:13	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 04:13	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 04:13	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 04:13	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 04:13	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 04:13	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 04:13	WG1673104
(S) Toluene-d8	99.7			75.0-131		05/20/2021 04:13	WG1673104
(S) 4-Bromofluorobenzene	109			67.0-138		05/20/2021 04:13	WG1673104
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/20/2021 04:13	WG1673104

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 date / time	Batch
Sulfate	38100		594	5000	1	05/24/2021 09:34	WG1675833

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12400		102	1000	1	05/24/2021 21:02	WG1676371

Metals (ICPMS) by Method 6020B

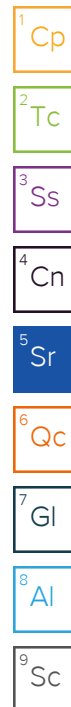
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17100		28.1	100	1	05/26/2021 13:17	WG1676728
Manganese	4630		0.704	5.00	1	05/26/2021 13:17	WG1676728

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	21700		2.87	6.78	10	05/18/2021 12:07	WG1672438
Ethane	60.3		0.296	1.29	1	05/14/2021 13:21	WG1670252
Ethene	U		0.422	1.27	1	05/14/2021 13:21	WG1670252

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

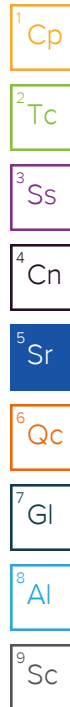
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		27.4	50.0	50	05/20/2021 06:07	WG1673104
Acrylonitrile	U		3.80	25.0	50	05/20/2021 06:07	WG1673104
Benzene	U		0.800	2.00	50	05/20/2021 06:07	WG1673104
Bromobenzene	U		2.10	25.0	50	05/20/2021 06:07	WG1673104
Bromodichloromethane	U		1.58	5.00	50	05/20/2021 06:07	WG1673104
Bromoform	U		12.0	50.0	50	05/20/2021 06:07	WG1673104
Bromomethane	U		7.40	25.0	50	05/20/2021 06:07	WG1673104
n-Butylbenzene	U		7.65	25.0	50	05/20/2021 06:07	WG1673104
sec-Butylbenzene	U		5.05	25.0	50	05/20/2021 06:07	WG1673104
tert-Butylbenzene	U		3.10	10.0	50	05/20/2021 06:07	WG1673104
Carbon tetrachloride	U		2.16	10.0	50	05/20/2021 06:07	WG1673104
Chlorobenzene	U		1.15	5.00	50	05/20/2021 06:07	WG1673104
Chlorodibromomethane	U		0.900	5.00	50	05/20/2021 06:07	WG1673104
Chloroethane	U	UJ C3	2.16	10.0	50	05/20/2021 06:07	WG1673104
Chloroform	U		0.830	5.00	50	05/20/2021 06:07	WG1673104
Chloromethane	U	UJ C3	2.78	25.0	50	05/20/2021 06:07	WG1673104
2-Chlorotoluene	U		1.84	5.00	50	05/20/2021 06:07	WG1673104
4-Chlorotoluene	U		2.26	10.0	50	05/20/2021 06:07	WG1673104
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	05/20/2021 06:07	WG1673104
1,2-Dibromoethane	U		1.05	5.00	50	05/20/2021 06:07	WG1673104
Dibromomethane	U		2.00	10.0	50	05/20/2021 06:07	WG1673104
1,2-Dichlorobenzene	U		2.90	10.0	50	05/20/2021 06:07	WG1673104
1,3-Dichlorobenzene	U		3.40	10.0	50	05/20/2021 06:07	WG1673104
1,4-Dichlorobenzene	U		3.94	10.0	50	05/20/2021 06:07	WG1673104
Dichlorodifluoromethane	U	J3	1.64	5.00	50	05/20/2021 06:07	WG1673104
1,1-Dichloroethane	U		1.15	5.00	50	05/20/2021 06:07	WG1673104
1,2-Dichloroethane	U		0.950	5.00	50	05/20/2021 06:07	WG1673104
1,1-Dichloroethene	2.65	J	1.00	5.00	50	05/20/2021 06:07	WG1673104
cis-1,2-Dichloroethene	580		1.38	5.00	50	05/20/2021 06:07	WG1673104
trans-1,2-Dichloroethene	U		2.86	10.0	50	05/20/2021 06:07	WG1673104
1,2-Dichloropropane	U		2.54	10.0	50	05/20/2021 06:07	WG1673104



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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	05/20/2021 06:07	WG1673104
1,3-Dichloropropane	U		3.50	10.0	50	05/20/2021 06:07	WG1673104
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/20/2021 06:07	WG1673104
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/20/2021 06:07	WG1673104
2,2-Dichloropropane	U		1.59	5.00	50	05/20/2021 06:07	WG1673104
Di-isopropyl ether	U		0.700	2.00	50	05/20/2021 06:07	WG1673104
Ethylbenzene	U		1.06	5.00	50	05/20/2021 06:07	WG1673104
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/20/2021 06:07	WG1673104
Isopropylbenzene	U		1.73	5.00	50	05/20/2021 06:07	WG1673104
p-Isopropyltoluene	U		4.66	10.0	50	05/20/2021 06:07	WG1673104
2-Butanone (MEK)	U		25.0	50.0	50	05/20/2021 06:07	WG1673104
Methylene Chloride	18.2	U	13.3	50.0	50	05/20/2021 06:07	WG1673104
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	05/20/2021 06:07	WG1673104
Methyl tert-butyl ether	U		0.590	2.00	50	05/20/2021 06:07	WG1673104
Naphthalene	U		6.20	25.0	50	05/20/2021 06:07	WG1673104
n-Propylbenzene	U		2.36	10.0	50	05/20/2021 06:07	WG1673104
Styrene	U		5.45	25.0	50	05/20/2021 06:07	WG1673104
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/20/2021 06:07	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.780	5.00	50	05/20/2021 06:07	WG1673104
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/20/2021 06:07	WG1673104
Tetrachloroethene	442		1.40	5.00	50	05/20/2021 06:07	WG1673104
Toluene	U		2.50	10.0	50	05/20/2021 06:07	WG1673104
1,2,3-Trichlorobenzene	U		1.25	25.0	50	05/20/2021 06:07	WG1673104
1,2,4-Trichlorobenzene	U		9.65	25.0	50	05/20/2021 06:07	WG1673104
1,1,1-Trichloroethane	U		0.550	5.00	50	05/20/2021 06:07	WG1673104
1,1,2-Trichloroethane	U		1.77	5.00	50	05/20/2021 06:07	WG1673104
Trichloroethene	184		0.800	2.00	50	05/20/2021 06:07	WG1673104
Trichlorofluoromethane	U	UJ C3	1.00	5.00	50	05/20/2021 06:07	WG1673104
1,2,3-Trichloropropane	U		10.2	25.0	50	05/20/2021 06:07	WG1673104
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/20/2021 06:07	WG1673104
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/20/2021 06:07	WG1673104
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/20/2021 06:07	WG1673104
Vinyl chloride	U	UJ C3	1.36	5.00	50	05/20/2021 06:07	WG1673104
Xylenes, Total	U		9.55	13.0	50	05/20/2021 06:07	WG1673104
Ethyl Ether	U		0.850	5.00	50	05/20/2021 06:07	WG1673104
Tetrahydrofuran	U		4.50	25.0	50	05/20/2021 06:07	WG1673104
Iodomethane	U		12.1	25.0	50	05/20/2021 06:07	WG1673104
Allyl chloride	U		29.0	50.0	50	05/20/2021 06:07	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	2.80	10.0	50	05/20/2021 06:07	WG1673104
(S) Toluene-d8	101			75.0-131		05/20/2021 06:07	WG1673104
(S) 4-Bromofluorobenzene	107			67.0-138		05/20/2021 06:07	WG1673104
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/20/2021 06:07	WG1673104



JC 7/8/21

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1080	J	594	5000	1	05/23/2021 18:58	WG1675834

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8590		102	1000	1	05/24/2021 21:35	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	11500		562	2000	20	05/27/2021 11:40	WG1676729
Manganese	3580		14.1	100	20	05/27/2021 11:40	WG1676729

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	33.2	U	~~BJ~~	31.6	100	1	05/16/2021 17:45	WG1671666
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		05/16/2021 17:45	WG1671666	

Volatile Organic Compounds (GC) by Method RSK175

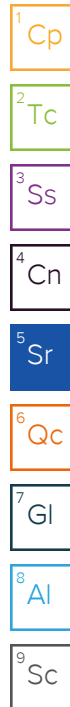
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	5740		0.287	0.678	1	05/14/2021 14:52	WG1670257
Ethane	U		0.296	1.29	1	05/14/2021 14:52	WG1670257
Ethene	U		0.422	1.27	1	05/14/2021 14:52	WG1670257

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	1.99	J+	C5	0.548	1.00	1	05/20/2021 04:32	WG1673104
Acrylonitrile	U			0.0760	0.500	1	05/20/2021 04:32	WG1673104
Benzene	U			0.0160	0.0400	1	05/20/2021 04:32	WG1673104
Bromobenzene	U			0.0420	0.500	1	05/20/2021 04:32	WG1673104
Bromodichloromethane	U			0.0315	0.100	1	05/20/2021 04:32	WG1673104
Bromoform	U			0.239	1.00	1	05/20/2021 04:32	WG1673104
Bromomethane	U			0.148	0.500	1	05/20/2021 04:32	WG1673104
n-Butylbenzene	U			0.153	0.500	1	05/20/2021 04:32	WG1673104
sec-Butylbenzene	U			0.101	0.500	1	05/20/2021 04:32	WG1673104
tert-Butylbenzene	U			0.0620	0.200	1	05/20/2021 04:32	WG1673104
Carbon tetrachloride	U			0.0432	0.200	1	05/20/2021 04:32	WG1673104
Chlorobenzene	U			0.0229	0.100	1	05/20/2021 04:32	WG1673104
Chlorodibromomethane	U			0.0180	0.100	1	05/20/2021 04:32	WG1673104
Chloroethane	U	UJ	C3	0.0432	0.200	1	05/20/2021 04:32	WG1673104
Chloroform	U			0.0166	0.100	1	05/20/2021 04:32	WG1673104
Chloromethane	U	UJ	C3	0.0556	0.500	1	05/20/2021 04:32	WG1673104
2-Chlorotoluene	U			0.0368	0.100	1	05/20/2021 04:32	WG1673104
4-Chlorotoluene	U			0.0452	0.200	1	05/20/2021 04:32	WG1673104
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/20/2021 04:32	WG1673104
1,2-Dibromoethane	U			0.0210	0.100	1	05/20/2021 04:32	WG1673104
Dibromomethane	U			0.0400	0.200	1	05/20/2021 04:32	WG1673104
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/20/2021 04:32	WG1673104
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/20/2021 04:32	WG1673104

JC 6/25/202

JC 6/25/2021



MW-949-051121

SAMPLE RESULTS - 01

Collected date/time: 05/11/21 08:00

L1351887

Volatile 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	05/20/2021 04:32	WG1673104
Dichlorodifluoromethane	U		0.0327	0.100	1	05/20/2021 04:32	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 04:32	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 04:32	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 04:32	WG1673104
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/20/2021 04:32	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 04:32	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 04:32	WG1673104
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2021 04:32	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 04:32	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 04:32	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 04:32	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 04:32	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 04:32	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 04:32	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 04:32	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 04:32	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 04:32	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 04:32	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 04:32	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 04:32	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 04:32	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 04:32	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 04:32	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 04:32	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 04:32	WG1673104
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/20/2021 04:32	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 04:32	WG1673104
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 04:32	WG1673104
Toluene	U		0.0500	0.200	1	05/20/2021 04:32	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 04:32	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 04:32	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 04:32	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 04:32	WG1673104
Trichloroethene	U		0.0160	0.0400	1	05/20/2021 04:32	WG1673104
Trichlorofluoromethane	U		0.0200	0.100	1	05/20/2021 04:32	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 04:32	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 04:32	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 04:32	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 04:32	WG1673104
Vinyl chloride	U		0.0273	0.100	1	05/20/2021 04:32	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 04:32	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 04:32	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 04:32	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 04:32	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 04:32	WG1673104
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/20/2021 04:32	WG1673104
(S) Toluene-d8	100			75.0-131		05/20/2021 04:32	WG1673104
(S) 4-Bromofluorobenzene	111			67.0-138		05/20/2021 04:32	WG1673104
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/20/2021 04:32	WG1673104

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

1413.021.05.601

SDG:

L1351887

DATE/TIME:

05/27/21 20:35

PAGE:

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2900	J	594	5000	1	05/23/2021 19:48	WG1675834

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 date / time	Batch
TOC (Total Organic Carbon)	5220		102	1000	1	05/24/2021 21:50	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17900		562	2000	20	05/27/2021 11:43	WG1676729
Manganese	3600		14.1	100	20	05/27/2021 11:43	WG1676729

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	10500		2.87	6.78	10	05/18/2021 12:17	WG1672438
Ethane	54.5		0.296	1.29	1	05/14/2021 15:08	WG1670257
Ethene	U		0.422	1.27	1	05/14/2021 15:08	WG1670257

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	05/20/2021 04:51	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 04:51	WG1673104
Benzene	0.0200	J	0.0160	0.0400	1	05/20/2021 04:51	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 04:51	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 04:51	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 04:51	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 04:51	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 04:51	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 04:51	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 04:51	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 04:51	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 04:51	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 04:51	WG1673104
Chloroethane	U	UJ C3	0.0432	0.200	1	05/20/2021 04:51	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 04:51	WG1673104
Chloromethane	U	UJ C3	0.0556	0.500	1	05/20/2021 04:51	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 04:51	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 04:51	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 04:51	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 04:51	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 04:51	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 04:51	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 04:51	WG1673104
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 04:51	WG1673104
Dichlorodifluoromethane	U	J3	0.0327	0.100	1	05/20/2021 04:51	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 04:51	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 04:51	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 04:51	WG1673104
cis-1,2-Dichloroethene	0.518		0.0276	0.100	1	05/20/2021 04:51	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 04:51	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 04:51	WG1673104

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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	05/20/2021 04:51	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 04:51	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 04:51	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 04:51	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 04:51	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 04:51	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 04:51	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 04:51	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 04:51	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 04:51	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 04:51	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 04:51	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 04:51	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 04:51	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 04:51	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 04:51	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 04:51	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 04:51	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 04:51	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 04:51	WG1673104
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 04:51	WG1673104
Toluene	U		0.0500	0.200	1	05/20/2021 04:51	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 04:51	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 04:51	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 04:51	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 04:51	WG1673104
Trichloroethene	0.0360	J C3	0.0160	0.0400	1	05/20/2021 04:51	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 04:51	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 04:51	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 04:51	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 04:51	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 04:51	WG1673104
Vinyl chloride	0.350	J C3	0.0273	0.100	1	05/20/2021 04:51	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 04:51	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 04:51	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 04:51	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 04:51	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 04:51	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 04:51	WG1673104
(S) Toluene-d8	99.3			75.0-131		05/20/2021 04:51	WG1673104
(S) 4-Bromofluorobenzene	107			67.0-138		05/20/2021 04:51	WG1673104
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/20/2021 04:51	WG1673104



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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1060	J	594	5000	1	05/23/2021 20:21	WG1675834

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8760		102	1000	1	05/24/2021 22:06	WG1676371

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	12700		562	2000	20	05/27/2021 11:46	WG1676729
Manganese	3850		14.1	100	20	05/27/2021 11:46	WG1676729

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	46.2	U	31.6	100	1	05/17/2021 04:43	WG1671746
(S) a,a,a-Trifluorotoluene(FID)	99.6			78.0-120		05/17/2021 04:43	WG1671746

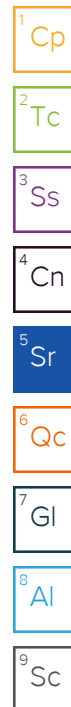
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	6440		0.287	0.678	1	05/14/2021 15:12	WG1670257
Ethane	U		0.296	1.29	1	05/14/2021 15:12	WG1670257
Ethene	U		0.422	1.27	1	05/14/2021 15:12	WG1670257

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

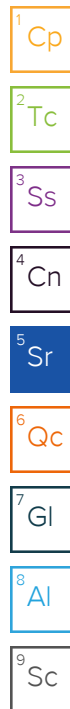
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.77	J+	0.548	1.00	1	05/20/2021 05:10	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 05:10	WG1673104
Benzene	U		0.0160	0.0400	1	05/20/2021 05:10	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 05:10	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 05:10	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 05:10	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 05:10	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 05:10	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 05:10	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 05:10	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 05:10	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 05:10	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 05:10	WG1673104
Chloroethane	U	UJ	0.0432	0.200	1	05/20/2021 05:10	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 05:10	WG1673104
Chloromethane	U	UJ	0.0556	0.500	1	05/20/2021 05:10	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 05:10	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 05:10	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 05:10	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 05:10	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 05:10	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 05:10	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 05:10	WG1673104

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

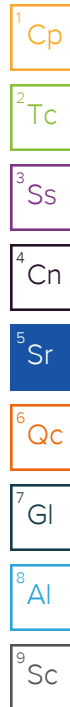
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 05:10	WG1673104
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.100	1	05/20/2021 05:10	WG1673104
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2021 05:10	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 05:10	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 05:10	WG1673104
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/20/2021 05:10	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 05:10	WG1673104
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2021 05:10	WG1673104
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2021 05:10	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 05:10	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 05:10	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 05:10	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 05:10	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 05:10	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 05:10	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 05:10	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 05:10	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 05:10	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 05:10	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 05:10	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 05:10	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 05:10	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 05:10	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 05:10	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 05:10	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 05:10	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 05:10	WG1673104
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2021 05:10	WG1673104
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 05:10	WG1673104
Toluene	U		0.0500	0.200	1	05/20/2021 05:10	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 05:10	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 05:10	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 05:10	WG1673104
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2021 05:10	WG1673104
Trichloroethene	U		0.0160	0.0400	1	05/20/2021 05:10	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 05:10	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 05:10	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 05:10	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 05:10	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 05:10	WG1673104
Vinyl chloride	U	UJ C3	0.0273	0.100	1	05/20/2021 05:10	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 05:10	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 05:10	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 05:10	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 05:10	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 05:10	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 05:10	WG1673104
(S) Toluene-d8	100			75.0-131		05/20/2021 05:10	WG1673104
(S) 4-Bromofluorobenzene	107			67.0-138		05/20/2021 05:10	WG1673104
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/20/2021 05:10	WG1673104



JC 6/25/2021

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	U		0.548	1.00	1	05/20/2021 05:29	WG1673104
Acrylonitrile	U		0.0760	0.500	1	05/20/2021 05:29	WG1673104
Benzene	U		0.0160	0.0400	1	05/20/2021 05:29	WG1673104
Bromobenzene	U		0.0420	0.500	1	05/20/2021 05:29	WG1673104
Bromodichloromethane	U		0.0315	0.100	1	05/20/2021 05:29	WG1673104
Bromoform	U		0.239	1.00	1	05/20/2021 05:29	WG1673104
Bromomethane	U		0.148	0.500	1	05/20/2021 05:29	WG1673104
n-Butylbenzene	U		0.153	0.500	1	05/20/2021 05:29	WG1673104
sec-Butylbenzene	U		0.101	0.500	1	05/20/2021 05:29	WG1673104
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2021 05:29	WG1673104
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2021 05:29	WG1673104
Chlorobenzene	U		0.0229	0.100	1	05/20/2021 05:29	WG1673104
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2021 05:29	WG1673104
Chloroethane	U	UJ C3	0.0432	0.200	1	05/20/2021 05:29	WG1673104
Chloroform	U		0.0166	0.100	1	05/20/2021 05:29	WG1673104
Chloromethane	U	UJ C3	0.0556	0.500	1	05/20/2021 05:29	WG1673104
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2021 05:29	WG1673104
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2021 05:29	WG1673104
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2021 05:29	WG1673104
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2021 05:29	WG1673104
Dibromomethane	U		0.0400	0.200	1	05/20/2021 05:29	WG1673104
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2021 05:29	WG1673104
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2021 05:29	WG1673104
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2021 05:29	WG1673104
Dichlorodifluoromethane	U	J3	0.0327	0.100	1	05/20/2021 05:29	WG1673104
1,1-Dichloroethane	0.394		0.0230	0.100	1	05/20/2021 05:29	WG1673104
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2021 05:29	WG1673104
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2021 05:29	WG1673104
cis-1,2-Dichloroethene	0.737		0.0276	0.100	1	05/20/2021 05:29	WG1673104
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2021 05:29	WG1673104
1,2-Dichloropropane	0.0750	J	0.0508	0.200	1	05/20/2021 05:29	WG1673104
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2021 05:29	WG1673104
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2021 05:29	WG1673104
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2021 05:29	WG1673104
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2021 05:29	WG1673104
2,2-Dichloropropane	U		0.0317	0.100	1	05/20/2021 05:29	WG1673104
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2021 05:29	WG1673104
Ethylbenzene	U		0.0212	0.100	1	05/20/2021 05:29	WG1673104
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2021 05:29	WG1673104
Isopropylbenzene	U		0.0345	0.100	1	05/20/2021 05:29	WG1673104
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2021 05:29	WG1673104
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2021 05:29	WG1673104
Methylene Chloride	U		0.265	1.00	1	05/20/2021 05:29	WG1673104
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2021 05:29	WG1673104
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2021 05:29	WG1673104
Naphthalene	U		0.124	0.500	1	05/20/2021 05:29	WG1673104
n-Propylbenzene	U		0.0472	0.200	1	05/20/2021 05:29	WG1673104
Styrene	U		0.109	0.500	1	05/20/2021 05:29	WG1673104
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2021 05:29	WG1673104
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2021 05:29	WG1673104
1,1,2-Trichlorotrifluoroethane	0.194		0.0270	0.100	1	05/20/2021 23:14	WG1674582
Tetrachloroethene	U		0.0280	0.100	1	05/20/2021 05:29	WG1673104
Toluene	0.0740	J	0.0500	0.200	1	05/20/2021 05:29	WG1673104
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2021 05:29	WG1673104
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2021 05:29	WG1673104
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2021 05:29	WG1673104



JC 6/25/2021

MW127-051121

SAMPLE RESULTS - 04

Collected date/time: 05/11/21 15:35

L1351887

Volatile Organic 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	05/20/2021 05:29	WG1673104
Trichloroethene	U		0.0160	0.0400	1	05/20/2021 05:29	WG1673104
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/20/2021 05:29	WG1673104
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2021 05:29	WG1673104
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2021 05:29	WG1673104
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2021 05:29	WG1673104
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2021 05:29	WG1673104
Vinyl chloride	U	UJ C3	0.0273	0.100	1	05/20/2021 05:29	WG1673104
Xylenes, Total	U		0.191	0.260	1	05/20/2021 05:29	WG1673104
Ethyl Ether	U		0.0170	0.100	1	05/20/2021 05:29	WG1673104
Tetrahydrofuran	U		0.0900	0.500	1	05/20/2021 05:29	WG1673104
Iodomethane	U		0.242	0.500	1	05/20/2021 05:29	WG1673104
Allyl chloride	U		0.580	1.00	1	05/20/2021 05:29	WG1673104
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2021 05:29	WG1673104
(S) Toluene-d8	100			75.0-131		05/20/2021 05:29	WG1673104
(S) Toluene-d8	104			75.0-131		05/20/2021 23:14	WG1674582
(S) 4-Bromofluorobenzene	105			67.0-138		05/20/2021 05:29	WG1673104
(S) 4-Bromofluorobenzene	97.4			67.0-138		05/20/2021 23:14	WG1674582
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/20/2021 05:29	WG1673104
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/20/2021 23:14	WG1674582

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	35200		594	5000	1	05/29/2021 02:48	WG1678845

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1770	<u>B</u>	102	1000	1	05/29/2021 16:45	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9370		28.1	100	1	05/28/2021 20:45	WG1679077
Manganese	309		0.704	5.00	1	05/28/2021 20:45	WG1679077

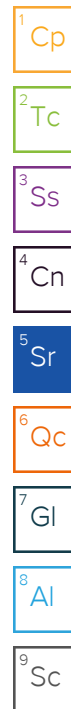
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	91.9		0.287	0.678	1	05/20/2021 16:24	WG1674043
Ethane	U		0.296	1.29	1	05/20/2021 16:24	WG1674043
Ethene	U		0.422	1.27	1	05/20/2021 16:24	WG1674043

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.08	<u>C5</u>	0.548	1.00	1	05/26/2021 13:26	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 13:26	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 13:26	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 13:26	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 13:26	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 13:26	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 13:26	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 13:26	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 13:26	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 13:26	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 13:26	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 13:26	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 13:26	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 13:26	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 13:26	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 13:26	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 13:26	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 13:26	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 13:26	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 13:26	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 13:26	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 13:26	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 13:26	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 13:26	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 13:26	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 13:26	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 13:26	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 13:26	WG1677782
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2021 13:26	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 13:26	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 13:26	WG1677782

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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	05/26/2021 13:26	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 13:26	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 13:26	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 13:26	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 13:26	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 13:26	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 13:26	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 13:26	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 13:26	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 13:26	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 13:26	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 13:26	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 13:26	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 13:26	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 13:26	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 13:26	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 13:26	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 13:26	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 13:26	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 13:26	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 13:26	WG1677782
Toluene	0.0600	U	0.0500	0.200	1	05/26/2021 13:26	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 13:26	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 13:26	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 13:26	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 13:26	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 13:26	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 13:26	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 13:26	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 13:26	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 13:26	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 13:26	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 13:26	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 13:26	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 13:26	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 13:26	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 13:26	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 13:26	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 13:26	WG1677782
(S) Toluene-d8	99.2			75.0-131		05/26/2021 13:26	WG1677782
(S) 4-Bromofluorobenzene	102			67.0-138		05/26/2021 13:26	WG1677782
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/26/2021 13:26	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	152000		8450	20000	1	05/24/2021 09:14	WG1676080

Sample Narrative:

L1353580-02 WG1676080: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	32700		379	1000	1	05/15/2021 15:14	WG1671206
Nitrate	2250		48.0	100	1	05/15/2021 15:14	WG1671206
Nitrite	U		42.0	100	1	05/15/2021 15:14	WG1671206
Sulfate	21800		594	5000	1	05/15/2021 15:14	WG1671206

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2600	~~B~~	102	1000	1	05/29/2021 17:50	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4540		28.1	100	1	05/28/2021 20:48	WG1679077
Manganese	135		0.704	5.00	1	05/28/2021 20:48	WG1679077

Volatile Organic Compounds (GC) by Method NWTPHGX

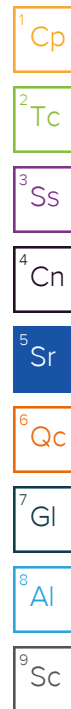
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/19/2021 23:11	WG1673237
(S) <i>o,a,a</i> -Trifluorotoluene(FID)	94.3			78.0-120		05/19/2021 23:11	WG1673237

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	05/20/2021 16:28	WG1674043
Ethane	U		0.296	1.29	1	05/20/2021 16:28	WG1674043
Ethene	U		0.422	1.27	1	05/20/2021 16:28	WG1674043

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.73	U ~~C5~~	0.548	1.00	1	05/26/2021 13:45	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 13:45	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 13:45	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 13:45	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 13:45	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 13:45	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 13:45	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 13:45	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 13:45	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 13:45	WG1677782 JC 6/25/2021
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 13:45	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 13:45	WG1677782



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 13:45	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 13:45	WG1677782
Chloroform	0.209		0.0166	0.100	1	05/26/2021 13:45	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 13:45	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 13:45	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 13:45	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 13:45	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 13:45	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 13:45	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 13:45	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 13:45	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 13:45	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 13:45	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 13:45	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 13:45	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 13:45	WG1677782
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2021 13:45	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 13:45	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 13:45	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 13:45	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 13:45	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 13:45	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 13:45	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 13:45	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 13:45	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 13:45	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 13:45	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 13:45	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 13:45	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 13:45	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 13:45	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 13:45	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 13:45	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 13:45	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 13:45	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 13:45	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 13:45	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 13:45	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 13:45	WG1677782
Tetrachloroethene	1.85		0.0280	0.100	1	05/26/2021 13:45	WG1677782
Toluene	0.0930	U	0.0500	0.200	1	05/26/2021 13:45	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 13:45	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 13:45	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 13:45	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 13:45	WG1677782
Trichloroethene	0.110		0.0160	0.0400	1	05/26/2021 13:45	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 13:45	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 13:45	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 13:45	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 13:45	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 13:45	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 13:45	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 13:45	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 13:45	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2021 18:09	WG1678760
Iodomethane	U		0.242	0.500	1	05/26/2021 13:45	WG1677782

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
Allyl chloride	U		0.580	1.00	1	05/26/2021 13:45	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 13:45	WG1677782
(S) Toluene-d8	103			75.0-131		05/26/2021 13:45	WG1677782
(S) Toluene-d8	102			75.0-131		05/27/2021 18:09	WG1678760
(S) 4-Bromofluorobenzene	96.8			67.0-138		05/26/2021 13:45	WG1677782
(S) 4-Bromofluorobenzene	91.1			67.0-138		05/27/2021 18:09	WG1678760
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/26/2021 13:45	WG1677782
(S) 1,2-Dichloroethane-d4	86.0			70.0-130		05/27/2021 18:09	WG1678760

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2230	J	594	5000	1	05/29/2021 03:53	WG1678845

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1360	B	102	1000	1	05/29/2021 18:06	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4770		28.1	100	1	05/28/2021 20:51	WG1679077
Manganese	285		0.704	5.00	1	05/28/2021 20:51	WG1679077

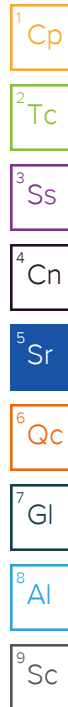
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	69.0		0.287	0.678	1	05/20/2021 16:33	WG1674043
Ethane	U		0.296	1.29	1	05/20/2021 16:33	WG1674043
Ethene	U		0.422	1.27	1	05/20/2021 16:33	WG1674043

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.19	U	0.548	1.00	1	05/26/2021 14:04	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 14:04	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 14:04	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 14:04	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 14:04	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 14:04	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 14:04	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 14:04	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 14:04	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 14:04	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 14:04	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 14:04	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 14:04	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 14:04	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 14:04	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 14:04	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 14:04	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 14:04	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 14:04	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 14:04	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 14:04	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 14:04	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 14:04	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 14:04	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 14:04	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 14:04	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 14:04	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 14:04	WG1677782
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2021 14:04	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 14:04	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 14:04	WG1677782

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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	05/26/2021 14:04	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 14:04	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 14:04	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 14:04	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 14:04	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 14:04	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 14:04	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 14:04	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 14:04	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 14:04	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 14:04	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 14:04	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 14:04	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 14:04	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 14:04	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 14:04	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 14:04	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 14:04	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 14:04	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 14:04	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 14:04	WG1677782
Toluene	0.196	U	0.0500	0.200	1	05/26/2021 14:04	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 14:04	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 14:04	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 14:04	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 14:04	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 14:04	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 14:04	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 14:04	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 14:04	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 14:04	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 14:04	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 14:04	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 14:04	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 14:04	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 14:04	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 14:04	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 14:04	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 14:04	WG1677782
(S) Toluene-d8	101			75.0-131		05/26/2021 14:04	WG1677782
(S) 4-Bromofluorobenzene	102			67.0-138		05/26/2021 14:04	WG1677782
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/26/2021 14:04	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	37900		594	5000	1	05/29/2021 04:10	WG1678845

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 date / time	Batch
TOC (Total Organic Carbon)	3420	-B	102	1000	1	05/29/2021 18:22	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4550		28.1	100	1	05/28/2021 20:55	WG1679077
Manganese	1080		0.704	5.00	1	05/28/2021 20:55	WG1679077

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1450		0.287	0.678	1	05/20/2021 16:37	WG1674043
Ethane	U		0.296	1.29	1	05/20/2021 16:37	WG1674043
Ethene	28.2		0.422	1.27	1	05/20/2021 16:37	WG1674043

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	05/26/2021 14:23	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 14:23	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 14:23	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 14:23	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 14:23	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 14:23	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 14:23	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 14:23	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 14:23	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 14:23	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 14:23	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 14:23	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 14:23	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 14:23	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 14:23	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 14:23	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 14:23	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 14:23	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 14:23	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 14:23	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 14:23	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 14:23	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 14:23	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 14:23	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 14:23	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 14:23	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 14:23	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 14:23	WG1677782
cis-1,2-Dichloroethene	8.12		0.0276	0.100	1	05/26/2021 14:23	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 14:23	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 14:23	WG1677782

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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	05/26/2021 14:23	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 14:23	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 14:23	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 14:23	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 14:23	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 14:23	WG1677782
Ethylbenzene	0.0330	U	0.0212	0.100	1	05/26/2021 14:23	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 14:23	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 14:23	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 14:23	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 14:23	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 14:23	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 14:23	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 14:23	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 14:23	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 14:23	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 14:23	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 14:23	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 14:23	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 14:23	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 14:23	WG1677782
Toluene	0.149	U	0.0500	0.200	1	05/26/2021 14:23	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 14:23	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 14:23	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 14:23	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 14:23	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 14:23	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 14:23	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 14:23	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 14:23	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 14:23	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 14:23	WG1677782
Vinyl chloride	32.2		0.0273	0.100	1	05/26/2021 14:23	WG1677782
Xylenes, Total	0.195	U	0.191	0.260	1	05/26/2021 14:23	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 14:23	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 14:23	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 14:23	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 14:23	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 14:23	WG1677782
(S) Toluene-d8	104			75.0-131		05/26/2021 14:23	WG1677782
(S) 4-Bromofluorobenzene	97.9			67.0-138		05/26/2021 14:23	WG1677782
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2021 14:23	WG1677782

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 date / time	Batch
Sulfate	49300		594	5000	1	05/29/2021 04:26	WG1678845

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5560	~~E~~	102	1000	1	05/29/2021 18:38	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3270		28.1	100	1	05/28/2021 20:58	WG1679077
Manganese	1340		0.704	5.00	1	05/28/2021 20:58	WG1679077

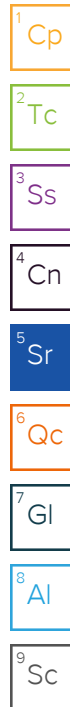
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	20800		2.87	6.78	10	05/21/2021 11:03	WG1674868
Ethane	43.7		0.296	1.29	1	05/20/2021 16:41	WG1674043
Ethene	120		0.422	1.27	1	05/20/2021 16:41	WG1674043

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

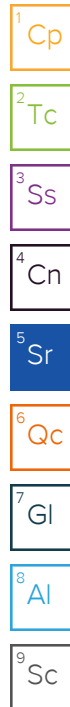
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.09	~~U~~ ~~CS~~	0.548	1.00	1	05/26/2021 14:42	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 14:42	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 14:42	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 14:42	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 14:42	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 14:42	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 14:42	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 14:42	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 14:42	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 14:42	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 14:42	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 14:42	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 14:42	WG1677782
Chloroethane	2.99		0.0432	0.200	1	05/26/2021 14:42	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 14:42	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 14:42	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 14:42	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 14:42	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 14:42	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 14:42	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 14:42	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 14:42	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 14:42	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 14:42	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 14:42	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 14:42	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 14:42	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 14:42	WG1677782
cis-1,2-Dichloroethene	6.63		0.0276	0.100	1	05/26/2021 14:42	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 14:42	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 14:42	WG1677782

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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	05/26/2021 14:42	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 14:42	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 14:42	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 14:42	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 14:42	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 14:42	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 14:42	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 14:42	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 14:42	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 14:42	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 14:42	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 14:42	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 14:42	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 14:42	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 14:42	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 14:42	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 14:42	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 14:42	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 14:42	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 14:42	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 14:42	WG1677782
Toluene	0.0640	U	0.0500	0.200	1	05/26/2021 14:42	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 14:42	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 14:42	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 14:42	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 14:42	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 14:42	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 14:42	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 14:42	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 14:42	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 14:42	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 14:42	WG1677782
Vinyl chloride	45.0		0.0273	0.100	1	05/26/2021 14:42	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 14:42	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 14:42	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 14:42	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 14:42	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 14:42	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 14:42	WG1677782
(S) Toluene-d8	103			75.0-131		05/26/2021 14:42	WG1677782
(S) 4-Bromofluorobenzene	96.1			67.0-138		05/26/2021 14:42	WG1677782
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/26/2021 14:42	WG1677782



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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	221	J+ ~~C5~~	5.48	10.0	10	05/26/2021 19:08	WG1677782
Acrylonitrile	U		0.760	5.00	10	05/26/2021 19:08	WG1677782
Benzene	U		0.160	0.400	10	05/26/2021 19:08	WG1677782
Bromobenzene	U		0.420	5.00	10	05/26/2021 19:08	WG1677782
Bromodichloromethane	U		0.315	1.00	10	05/26/2021 19:08	WG1677782
Bromoform	U		2.39	10.0	10	05/26/2021 19:08	WG1677782
Bromomethane	U		1.48	5.00	10	05/26/2021 19:08	WG1677782
n-Butylbenzene	U		1.53	5.00	10	05/26/2021 19:08	WG1677782
sec-Butylbenzene	U		1.01	5.00	10	05/26/2021 19:08	WG1677782
tert-Butylbenzene	U		0.620	2.00	10	05/26/2021 19:08	WG1677782
Carbon tetrachloride	U		0.432	2.00	10	05/26/2021 19:08	WG1677782
Chlorobenzene	U		0.229	1.00	10	05/26/2021 19:08	WG1677782
Chlorodibromomethane	U		0.180	1.00	10	05/26/2021 19:08	WG1677782
Chloroethane	U		0.432	2.00	10	05/26/2021 19:08	WG1677782
Chloroform	U		0.166	1.00	10	05/26/2021 19:08	WG1677782
Chloromethane	U		0.556	5.00	10	05/26/2021 19:08	WG1677782
2-Chlorotoluene	U		0.368	1.00	10	05/26/2021 19:08	WG1677782
4-Chlorotoluene	U		0.452	2.00	10	05/26/2021 19:08	WG1677782
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	05/26/2021 19:08	WG1677782
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2021 19:08	WG1677782
Dibromomethane	U		0.400	2.00	10	05/26/2021 19:08	WG1677782
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2021 19:08	WG1677782
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2021 19:08	WG1677782
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2021 19:08	WG1677782
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2021 19:08	WG1677782
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2021 19:08	WG1677782
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2021 19:08	WG1677782
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2021 19:08	WG1677782
cis-1,2-Dichloroethene	U		0.276	1.00	10	05/26/2021 19:08	WG1677782
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2021 19:08	WG1677782
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2021 19:08	WG1677782
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2021 19:08	WG1677782
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2021 19:08	WG1677782
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2021 19:08	WG1677782
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2021 19:08	WG1677782
2,2-Dichloropropane	U		0.317	1.00	10	05/26/2021 19:08	WG1677782
Di-isopropyl ether	U		0.140	0.400	10	05/26/2021 19:08	WG1677782
Ethylbenzene	0.970	J	0.212	1.00	10	05/26/2021 19:08	WG1677782
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2021 19:08	WG1677782
Isopropylbenzene	U		0.345	1.00	10	05/26/2021 19:08	WG1677782
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2021 19:08	WG1677782
2-Butanone (MEK)	51.0		5.00	10.0	10	05/26/2021 19:08	WG1677782
Methylene Chloride	U		2.65	10.0	10	05/26/2021 19:08	WG1677782
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2021 19:08	WG1677782
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2021 19:08	WG1677782
Naphthalene	U		1.24	5.00	10	05/26/2021 19:08	WG1677782
n-Propylbenzene	U		0.472	2.00	10	05/26/2021 19:08	WG1677782
Styrene	U		1.09	5.00	10	05/26/2021 19:08	WG1677782
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2021 19:08	WG1677782
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2021 19:08	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2021 19:08	WG1677782
Tetrachloroethene	U		0.280	1.00	10	05/26/2021 19:08	WG1677782
Toluene	1.82	J	0.500	2.00	10	05/26/2021 19:08	WG1677782
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/26/2021 19:08	WG1677782
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/26/2021 19:08	WG1677782
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2021 19:08	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

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	05/26/2021 19:08	WG1677782
Trichloroethene	U		0.160	0.400	10	05/26/2021 19:08	WG1677782
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2021 19:08	WG1677782
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2021 19:08	WG1677782
1,2,4-Trimethylbenzene	2.22		0.464	2.00	10	05/26/2021 19:08	WG1677782
1,2,3-Trimethylbenzene	1.23	J	0.460	2.00	10	05/26/2021 19:08	WG1677782
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/26/2021 19:08	WG1677782
Vinyl chloride	U		0.273	1.00	10	05/26/2021 19:08	WG1677782
Xylenes, Total	2.79		1.91	2.60	10	05/26/2021 19:08	WG1677782
Ethyl Ether	U		0.170	1.00	10	05/26/2021 19:08	WG1677782
Tetrahydrofuran	U		0.900	5.00	10	05/27/2021 19:25	WG1678760
Iodomethane	U		2.42	5.00	10	05/26/2021 19:08	WG1677782
Allyl chloride	U		5.80	10.0	10	05/26/2021 19:08	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2021 19:08	WG1677782
(S) Toluene-d8	99.2			75.0-131		05/26/2021 19:08	WG1677782
(S) Toluene-d8	102			75.0-131		05/27/2021 19:25	WG1678760
(S) 4-Bromofluorobenzene	101			67.0-138		05/26/2021 19:08	WG1677782
(S) 4-Bromofluorobenzene	97.8			67.0-138		05/27/2021 19:25	WG1678760
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2021 19:08	WG1677782
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/27/2021 19:25	WG1678760

Sample Narrative:

L1353580-06 WG1677782: Lowest possible dilution due to sample matrix.

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	149000		8450	20000	1	05/24/2021 09:21	WG1676080

Sample Narrative:

L1353580-08 WG1676080: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	32900		379	1000	1	05/15/2021 15:40	WG1671206
Nitrate	2250		48.0	100	1	05/15/2021 15:40	WG1671206
Nitrite	U		42.0	100	1	05/15/2021 15:40	WG1671206
Sulfate	21800		594	5000	1	05/15/2021 15:40	WG1671206

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2540	<u>B</u>	102	1000	1	05/29/2021 19:53	WG1678850

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5070		28.1	100	1	05/28/2021 21:04	WG1679077
Manganese	143		0.704	5.00	1	05/28/2021 21:04	WG1679077

Volatile Organic Compounds (GC) by Method NWTPHGX

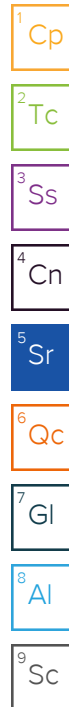
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/19/2021 23:55	WG1673237
(S) <i>α,α,α</i> -Trifluorotoluene(FID)	94.0			78.0-120		05/19/2021 23:55	WG1673237

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	05/20/2021 16:50	WG1674043
Ethane	U		0.296	1.29	1	05/20/2021 16:50	WG1674043
Ethene	U		0.422	1.27	1	05/20/2021 16:50	WG1674043

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.23	<u>U</u>	0.548	1.00	1	05/26/2021 15:01	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 15:01	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 15:01	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 15:01	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 15:01	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 15:01	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 15:01	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 15:01	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 15:01	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 15:01	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 15:01	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 15:01	WG1677782



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 15:01	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 15:01	WG1677782
Chloroform	0.250		0.0166	0.100	1	05/26/2021 15:01	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 15:01	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 15:01	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 15:01	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 15:01	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 15:01	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 15:01	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 15:01	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 15:01	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 15:01	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 15:01	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 15:01	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 15:01	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 15:01	WG1677782
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2021 15:01	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 15:01	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 15:01	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 15:01	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 15:01	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 15:01	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 15:01	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 15:01	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 15:01	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 15:01	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 15:01	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 15:01	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 15:01	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 15:01	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 15:01	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 15:01	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 15:01	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 15:01	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 15:01	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 15:01	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 15:01	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 15:01	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 15:01	WG1677782
Tetrachloroethene	1.81		0.0280	0.100	1	05/26/2021 15:01	WG1677782
Toluene	0.108	U	0.0500	0.200	1	05/26/2021 15:01	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 15:01	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 15:01	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 15:01	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 15:01	WG1677782
Trichloroethene	0.108		0.0160	0.0400	1	05/26/2021 15:01	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 15:01	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 15:01	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 15:01	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 15:01	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 15:01	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 15:01	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 15:01	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 15:01	WG1677782
Tetrahydrofuran	0.398	U	0.0900	0.500	1	05/27/2021 18:47	WG1678760
Iodomethane	U		0.242	0.500	1	05/26/2021 15:01	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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MW-952-051421

SAMPLE RESULTS - 08

Collected date/time: 05/14/21 08:00

L1353580

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Allyl chloride	U		0.580	1.00	1	05/26/2021 15:01	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 15:01	WG1677782
(S) Toluene-d8	101			75.0-131		05/26/2021 15:01	WG1677782
(S) Toluene-d8	105			75.0-131		05/27/2021 18:47	WG1678760
(S) 4-Bromofluorobenzene	101			67.0-138		05/26/2021 15:01	WG1677782
(S) 4-Bromofluorobenzene	94.5			67.0-138		05/27/2021 18:47	WG1678760
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/26/2021 15:01	WG1677782
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		05/27/2021 18:47	WG1678760

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/25/2021

MEMORANDUM

TO: Project File **DATE:** July 8, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.601 and 1413.001.02.501G

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

LAB: Pace Sample Delivery Groups (SDGs): L1353811, L1355165, L1356541, and L1362575

Thirty-three (33) groundwater samples including two field duplicates, and one trip blank were collected as part of the 2nd Quarterly May-June 2021 Monitoring Round for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington. 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 as gasoline (TPH-Gx) by NWTPH-Gx per 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 3 analytical results are reported in SDGs L1353811, L1355165, L1356541, and L1362575. The quality assurance review of the laboratory data associated with Group 3 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA Contract Laboratory Program 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.

NWTPH-Gx Method:

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.

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), 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 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. 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 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.**
- 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 are 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 L1353811 – Analytical batch WG1676889: A low level of methylene chloride is detected below the RDL. No action is needed since methylene chloride is not detected in the associated samples.
- SDG L1355165– Analytical batch WG1680259: A low level of 1,2,4-trimethylbenzene is detected below the RDL. **1,2,4-Trimethylbenzene result for sample R-MW6-051721 is qualified as not detected (U) due to method blank contamination.** No action is needed for the remaining samples since 1,2,4-trimethylbenzene is not detected.
- SDG L1356541– Analytical batch WG1680259: A low level of 1,2,4-trimethylbenzene is detected below the RDL. **1,2,4-Trimethylbenzene results for samples MW-317-051921 and MW-318-051921 are qualified as not detected (U) due to method blank contamination.** No action is needed for the remaining samples since 1,2,4-trimethylbenzene is either not detected or is detected above the RDL.

NWTPH-Gx Method:

Laboratory method blanks are included with the analytical batches per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL.

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

Laboratory method blanks are 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 are included with the analytical batches per method requirement.

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/or metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1353811	WG1679853	9060A	TOC	392	J	1000	µg/L	NO
L1355165	WG1680382	9060A	TOC	187	J	1000	µg/L	NO
L1355165	WG1680760	9060A	TOC	333	J	1000	µg/L	NO
L1356541	WG1681841	9060A	TOC	149	J	1000	µg/L	NO
L1356541	WG1683960	6020B	Iron	45.6	J	100	µg/L	NO
L1356541	WG1683960	6020B	Manganese	3.87	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-052021) was 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 L1356541: Low levels of acetone, toluene, and tetrahydrofuran are detected in the trip blank (TB-052021). Actions are as follows:
 - Acetone is detected at 1.83 µg/L and above the RDL (1.0 µg/L) in the trip blank. Low levels of acetone were also detected below the blank level in samples MW-319-051921, MW-320-052021, MW-323-052021, and MW-332-052021. **Acetone results for these samples are qualified as not detected (U) due to trip blank contamination.**
 - Toluene is detected at 0.183 µg/L and above the RDL (0.0500 µg/L) in the trip blank. Low levels of toluene were also detected below the blank level in samples MW-142-051921, MW-318-051921, MW-319-051921, MW-320-052021, MW-323-052021, MW-332-052021, and MW119-052021. **Toluene results for these samples are qualified as not detected (U) due to trip blank contamination.**
 - Tetrahydrofuran is detected at 0.615 µg/L and above the RDL (0.0500 µg/L) in the trip blank. A low level of tetrahydrofuran was also detected below the blank

level in sample MW119-052021. **Tetrahydrofuran result for this sample is 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 Group 3 samples. Refer to Groups 1 and 2 for equipment blank results.

Field Duplicate Analyses

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

- SDG L1353811: Sample MW121-051221 and field duplicate sample MW-951-051221. 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:
 - Acetone results are not comparable with an absolute difference greater than 1X RDL. **Acetone results for field duplicate pair are qualified as estimated (J) due to elevated precision.**
- SDG L1353811: Sample MW-9-051221 and field duplicate sample MW-950-051221. 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:
 - Acetone, vinyl chloride, and ethyl ether results are not comparable with absolute differences of greater than 1X RDL. **Acetone, vinyl chloride, and ethyl ether results for field duplicate pair are qualified as estimated (J/UJ) due to elevated precision.**

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or 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%.

NWTPH-Gx Method:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results associated with SDGs L1353811 and L1355165 for precision data.

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 $\pm 1 \times$ RDL for groundwater results $<5 \times$ 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 on associated samples.

NWTPH-Gx Method:

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 analyses with the following discussion:

- SDG L1353811: Gasoline matrix spike analyses were performed on a non-client sample with elevated surrogate recoveries. No action was taken since the matrix spike analyses were performed on a non-client sample within the analytical batch.

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 L1356541 - Analytical batch WG1680848: LCS/LCSD RPD for trans-1,4-dichloro-2-butene is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDG L1362575 - Analytical batch WG1685408: LCS/LCSD RPD for tetrahydrofuran is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDG L1362575 - Analytical batch WG1685408: LCS recovery for 1,2,3-trimethylbenzene is above criteria. No action is needed since 1,2,3-trimethylbenzene is not detected in the associated samples.

NWTPH-Gx Method:

The LCS % Rs for the target compound (gasoline) are within the laboratory control criteria for waters. Refer to associated matrix spike results for precision data.

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) spike analyses were not performed. Refer to LCS/LCSD and field duplicate results for precision data.

NWTPH-Gx Method:

MS/MSD analyses were performed 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.

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

MS/MSD analyses were performed 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 RPD were acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDG L1355165: Methane, ethane, and ethene matrix spikes were performed on a non-client sample and are laboratory qualified (J5) to indicate matrix interference. No action is taken since the spike was performed on a non-client sample.
- SDG L1355165: Methane matrix spikes were performed on a non-client sample and are laboratory qualified (E, V, and J3) to indicate elevated concentration and poor precision. No action is taken since the spike was performed on a non-client sample.

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 L1353811: Matrix spikes were performed on client and on non-client samples. Iron and manganese spike results are laboratory qualified (V) to indicate that the sample

MW-950-051221 iron and manganese amounts are greater than four times the spike concentration. Per guidance no action is necessary.

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/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 discussion:

- SDG L1355165: Sulfate matrix spikes were performed on a non-client sample with laboratory qualified results (E) due to elevated concentrations in the non-client sample. 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.

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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA Contract Laboratory Program 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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	278000		5940	50000	10	05/28/2021 06:31	WG1678840

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13100		102	1000	1	05/29/2021 22:39	WG1679853

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	20300		28.1	100	1	06/01/2021 14:19	WG1680543
Manganese	8980		0.704	5.00	1	06/01/2021 14:19	WG1680543

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	U		31.6	100	1	05/20/2021 00:39	WG1673237
(S) a,a,a-Trifluorotoluene(FID)	94.8			78.0-120		05/20/2021 00:39	WG1673237

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	2580		0.287	0.678	1	05/21/2021 15:39	WG1674869
Ethane	9.74		0.296	1.29	1	05/21/2021 15:39	WG1674869
Ethene	U		0.422	1.27	1	05/21/2021 15:39	WG1674869

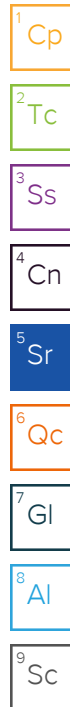
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.04	J	0.548	1.00	1	05/26/2021 00:48	WG1676889
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 00:48	WG1676889
Benzene	0.0290	J	0.0160	0.0400	1	05/26/2021 00:48	WG1676889
Bromobenzene	U		0.0420	0.500	1	05/26/2021 00:48	WG1676889
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 00:48	WG1676889
Bromoform	U		0.239	1.00	1	05/26/2021 00:48	WG1676889
Bromomethane	U		0.148	0.500	1	05/26/2021 00:48	WG1676889
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 00:48	WG1676889
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 00:48	WG1676889
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 00:48	WG1676889
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 00:48	WG1676889
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 00:48	WG1676889
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 00:48	WG1676889
Chloroethane	U		0.0432	0.200	1	05/26/2021 00:48	WG1676889
Chloroform	U		0.0166	0.100	1	05/26/2021 00:48	WG1676889
Chloromethane	U		0.0556	0.500	1	05/26/2021 00:48	WG1676889
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 00:48	WG1676889
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 00:48	WG1676889
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 00:48	WG1676889
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 00:48	WG1676889
Dibromomethane	U		0.0400	0.200	1	05/26/2021 00:48	WG1676889
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 00:48	WG1676889
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 00:48	WG1676889

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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	05/26/2021 00:48	WG1676889
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 00:48	WG1676889
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 00:48	WG1676889
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 00:48	WG1676889
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 00:48	WG1676889
cis-1,2-Dichloroethene	0.380		0.0276	0.100	1	05/26/2021 00:48	WG1676889
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 00:48	WG1676889
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 00:48	WG1676889
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 00:48	WG1676889
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 00:48	WG1676889
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 00:48	WG1676889
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 00:48	WG1676889
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 00:48	WG1676889
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 00:48	WG1676889
Ethylbenzene	0.0580	U	0.0212	0.100	1	05/26/2021 00:48	WG1676889
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 00:48	WG1676889
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 00:48	WG1676889
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 00:48	WG1676889
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 00:48	WG1676889
Methylene Chloride	U		0.265	1.00	1	05/26/2021 00:48	WG1676889
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 00:48	WG1676889
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 00:48	WG1676889
Naphthalene	U		0.124	0.500	1	05/26/2021 00:48	WG1676889
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 00:48	WG1676889
Styrene	U		0.109	0.500	1	05/26/2021 00:48	WG1676889
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 00:48	WG1676889
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 00:48	WG1676889
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 00:48	WG1676889
Tetrachloroethene	0.0490	U	0.0280	0.100	1	05/26/2021 00:48	WG1676889
Toluene	0.448		0.0500	0.200	1	05/26/2021 00:48	WG1676889
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/26/2021 00:48	WG1676889
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/26/2021 00:48	WG1676889
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 00:48	WG1676889
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 00:48	WG1676889
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 00:48	WG1676889
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 00:48	WG1676889
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 00:48	WG1676889
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 00:48	WG1676889
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 00:48	WG1676889
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 00:48	WG1676889
Vinyl chloride	1.67		0.0273	0.100	1	05/26/2021 00:48	WG1676889
Xylenes, Total	0.351		0.191	0.260	1	05/26/2021 00:48	WG1676889
Ethyl Ether	0.176		0.0170	0.100	1	05/26/2021 00:48	WG1676889
Tetrahydrofuran	0.473	U	0.0900	0.500	1	05/26/2021 00:48	WG1676889
Iodomethane	U		0.242	0.500	1	05/26/2021 00:48	WG1676889
Allyl chloride	U		0.580	1.00	1	05/26/2021 00:48	WG1676889
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 00:48	WG1676889
(S) Toluene-d8	97.9			75.0-131		05/26/2021 00:48	WG1676889
(S) 4-Bromofluorobenzene	106			67.0-138		05/26/2021 00:48	WG1676889
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/26/2021 00:48	WG1676889



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/28/2021 06:45	WG1678840

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 date / time	Batch
TOC (Total Organic Carbon)	4530		102	1000	1	05/29/2021 22:56	WG1679853

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	22300	~~Y~~	28.1	100	1	06/01/2021 14:01	WG1680543
Manganese	2030	~~Y~~	0.704	5.00	1	06/01/2021 14:01	WG1680543

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	05/20/2021 01:02	WG1673237
(S) a,a,a-Trifluorotoluene(FID)	92.0			78.0-120		05/20/2021 01:02	WG1673237

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	915		0.287	0.678	1	05/21/2021 15:42	WG1674869
Ethane	3.64		0.296	1.29	1	05/21/2021 15:42	WG1674869
Ethene	U		0.422	1.27	1	05/21/2021 15:42	WG1674869

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	05/26/2021 01:25	WG1676889
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 01:25	WG1676889
Benzene	0.0280	J	0.0160	0.0400	1	05/26/2021 01:25	WG1676889
Bromobenzene	U		0.0420	0.500	1	05/26/2021 01:25	WG1676889
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 01:25	WG1676889
Bromoform	U		0.239	1.00	1	05/26/2021 01:25	WG1676889
Bromomethane	U		0.148	0.500	1	05/26/2021 01:25	WG1676889
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 01:25	WG1676889
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 01:25	WG1676889
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 01:25	WG1676889
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 01:25	WG1676889
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 01:25	WG1676889
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 01:25	WG1676889
Chloroethane	U		0.0432	0.200	1	05/26/2021 01:25	WG1676889
Chloroform	U		0.0166	0.100	1	05/26/2021 01:25	WG1676889
Chloromethane	U		0.0556	0.500	1	05/26/2021 01:25	WG1676889
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 01:25	WG1676889
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 01:25	WG1676889
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 01:25	WG1676889
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 01:25	WG1676889
Dibromomethane	U		0.0400	0.200	1	05/26/2021 01:25	WG1676889
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 01:25	WG1676889
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 01:25	WG1676889

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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	05/26/2021 01:25	WG1676889
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 01:25	WG1676889
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 01:25	WG1676889
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 01:25	WG1676889
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 01:25	WG1676889
cis-1,2-Dichloroethene	0.119		0.0276	0.100	1	05/26/2021 01:25	WG1676889
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 01:25	WG1676889
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 01:25	WG1676889
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 01:25	WG1676889
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 01:25	WG1676889
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 01:25	WG1676889
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 01:25	WG1676889
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 01:25	WG1676889
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 01:25	WG1676889
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 01:25	WG1676889
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 01:25	WG1676889
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 01:25	WG1676889
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 01:25	WG1676889
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 01:25	WG1676889
Methylene Chloride	U		0.265	1.00	1	05/26/2021 01:25	WG1676889
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 01:25	WG1676889
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 01:25	WG1676889
Naphthalene	U		0.124	0.500	1	05/26/2021 01:25	WG1676889
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 01:25	WG1676889
Styrene	U		0.109	0.500	1	05/26/2021 01:25	WG1676889
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 01:25	WG1676889
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 01:25	WG1676889
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 01:25	WG1676889
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 01:25	WG1676889
Toluene	U		0.0500	0.200	1	05/26/2021 01:25	WG1676889
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	05/26/2021 01:25	WG1676889
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	05/26/2021 01:25	WG1676889
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 01:25	WG1676889
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 01:25	WG1676889
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 01:25	WG1676889
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 01:25	WG1676889
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 01:25	WG1676889
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 01:25	WG1676889
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 01:25	WG1676889
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 01:25	WG1676889
Vinyl chloride	U	UJ	0.0273	0.100	1	05/26/2021 01:25	WG1676889
Xylenes, Total	U		0.191	0.260	1	05/26/2021 01:25	WG1676889
Ethyl Ether	0.281	J	0.0170	0.100	1	05/26/2021 01:25	WG1676889
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 01:25	WG1676889
Iodomethane	U		0.242	0.500	1	05/26/2021 01:25	WG1676889
Allyl chloride	U		0.580	1.00	1	05/26/2021 01:25	WG1676889
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 01:25	WG1676889
(S) Toluene-d8	97.4			75.0-131		05/26/2021 01:25	WG1676889
(S) 4-Bromofluorobenzene	110			67.0-138		05/26/2021 01:25	WG1676889
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2021 01:25	WG1676889



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/28/2021 07:00	WG1678840

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 date / time	Batch
TOC (Total Organic Carbon)	4320		102	1000	1	05/29/2021 23:10	WG1679853

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	21600		28.1	100	1	06/01/2021 14:22	WG1680543
Manganese	2030		0.704	5.00	1	06/01/2021 14:22	WG1680543

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	05/20/2021 01:24	WG1673237
(S) a,a,a-Trifluorotoluene(FID)	91.6			78.0-120		05/20/2021 01:24	WG1673237

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	900		0.287	0.678	1	05/21/2021 15:46	WG1674869
Ethane	3.68		0.296	1.29	1	05/21/2021 15:46	WG1674869
Ethene	U		0.422	1.27	1	05/21/2021 15:46	WG1674869

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.55	I+ C5	0.548	1.00	1	05/26/2021 17:14	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 17:14	WG1677782
Benzene	0.0290	J	0.0160	0.0400	1	05/26/2021 17:14	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 17:14	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 17:14	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 17:14	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 17:14	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 17:14	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 17:14	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 17:14	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 17:14	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 17:14	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 17:14	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 17:14	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 17:14	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 17:14	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 17:14	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 17:14	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 17:14	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 17:14	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 17:14	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 17:14	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 17:14	WG1677782

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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	05/26/2021 17:14	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 17:14	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 17:14	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 17:14	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 17:14	WG1677782
cis-1,2-Dichloroethene	0.117		0.0276	0.100	1	05/26/2021 17:14	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 17:14	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 17:14	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 17:14	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 17:14	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 17:14	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 17:14	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 17:14	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 17:14	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 17:14	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 17:14	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 17:14	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 17:14	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 17:14	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 17:14	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 17:14	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 17:14	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 17:14	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 17:14	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 17:14	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 17:14	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 17:14	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 17:14	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 17:14	WG1677782
Toluene	U		0.0500	0.200	1	05/26/2021 17:14	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 17:14	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 17:14	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 17:14	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 17:14	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 17:14	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 17:14	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 17:14	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 17:14	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 17:14	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 17:14	WG1677782
Vinyl chloride	0.223	J	0.0273	0.100	1	05/26/2021 17:14	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 17:14	WG1677782
Ethyl Ether	U	UJ	0.0170	0.100	1	05/26/2021 17:14	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 17:14	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 17:14	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 17:14	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 17:14	WG1677782
(S) Toluene-d8	99.5			75.0-131		05/26/2021 17:14	WG1677782
(S) 4-Bromofluorobenzene	100			67.0-138		05/26/2021 17:14	WG1677782
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2021 17:14	WG1677782

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	277000		2970	25000	5	05/28/2021 07:45	WG1678840

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13500		102	1000	1	05/29/2021 23:27	WG1679853

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	22000		28.1	100	1	06/01/2021 14:26	WG1680543
Manganese	8950		0.704	5.00	1	06/01/2021 14:26	WG1680543

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	U		31.6	100	1	05/20/2021 01:46	WG1673237
(S) a,a,a-Trifluorotoluene(FID)	94.0			78.0-120		05/20/2021 01:46	WG1673237

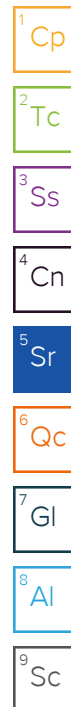
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1950		0.287	0.678	1	05/21/2021 15:58	WG1674869
Ethane	8.54		0.296	1.29	1	05/21/2021 15:58	WG1674869
Ethene	U		0.422	1.27	1	05/21/2021 15:58	WG1674869

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	5.76	J+	C5	0.548	1.00	05/26/2021 17:33	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 17:33	WG1677782
Benzene	0.0260	J	0.0160	0.0400	1	05/26/2021 17:33	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 17:33	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 17:33	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 17:33	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 17:33	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 17:33	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 17:33	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 17:33	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 17:33	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 17:33	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 17:33	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 17:33	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 17:33	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 17:33	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 17:33	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 17:33	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 17:33	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 17:33	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 17:33	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 17:33	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 17:33	WG1677782

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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	05/26/2021 17:33	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 17:33	WG1677782
1,1-Dichloroethane	0.0280	U	0.0230	0.100	1	05/26/2021 17:33	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 17:33	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 17:33	WG1677782
cis-1,2-Dichloroethene	0.418		0.0276	0.100	1	05/26/2021 17:33	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 17:33	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 17:33	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 17:33	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 17:33	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 17:33	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 17:33	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 17:33	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 17:33	WG1677782
Ethylbenzene	0.0560	U	0.0212	0.100	1	05/26/2021 17:33	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 17:33	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 17:33	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 17:33	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 17:33	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 17:33	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 17:33	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 17:33	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 17:33	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 17:33	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 17:33	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 17:33	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 17:33	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 17:33	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 17:33	WG1677782
Toluene	0.484		0.0500	0.200	1	05/26/2021 17:33	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 17:33	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 17:33	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 17:33	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 17:33	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 17:33	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 17:33	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 17:33	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 17:33	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 17:33	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 17:33	WG1677782
Vinyl chloride	1.79		0.0273	0.100	1	05/26/2021 17:33	WG1677782
Xylenes, Total	0.346		0.191	0.260	1	05/26/2021 17:33	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 17:33	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 17:33	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 17:33	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 17:33	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 17:33	WG1677782
(S) Toluene-d8	101			75.0-131		05/26/2021 17:33	WG1677782
(S) 4-Bromofluorobenzene	101			67.0-138		05/26/2021 17:33	WG1677782
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/26/2021 17:33	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/28/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	27300		2970	25000	5	05/28/2021 08:36	WG1678840

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 date / time	Batch
TOC (Total Organic Carbon)	1900	~~B~~	102	1000	1	05/29/2021 23:41	WG1679853

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2800		28.1	100	1	06/01/2021 14:39	WG1680543
Manganese	327		0.704	5.00	1	06/01/2021 14:39	WG1680543

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1620		0.287	0.678	1	05/21/2021 16:13	WG1674869
Ethane	U		0.296	1.29	1	05/21/2021 16:13	WG1674869
Ethene	U		0.422	1.27	1	05/21/2021 16:13	WG1674869

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.06	J+ C5	0.548	1.00	1	05/26/2021 17:52	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 17:52	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 17:52	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 17:52	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 17:52	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 17:52	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 17:52	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 17:52	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 17:52	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 17:52	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 17:52	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 17:52	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 17:52	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 17:52	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 17:52	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 17:52	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 17:52	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 17:52	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 17:52	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 17:52	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 17:52	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 17:52	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 17:52	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 17:52	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 17:52	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 17:52	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 17:52	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 17:52	WG1677782
cis-1,2-Dichloroethene	0.0760	J	0.0276	0.100	1	05/26/2021 17:52	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 17:52	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 17:52	WG1677782

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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	05/26/2021 17:52	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 17:52	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 17:52	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 17:52	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 17:52	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 17:52	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 17:52	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 17:52	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 17:52	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 17:52	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 17:52	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 17:52	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 17:52	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 17:52	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 17:52	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 17:52	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 17:52	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 17:52	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 17:52	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 17:52	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 17:52	WG1677782
Toluene	U		0.0500	0.200	1	05/26/2021 17:52	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 17:52	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 17:52	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 17:52	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 17:52	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 17:52	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 17:52	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 17:52	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 17:52	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 17:52	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 17:52	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 17:52	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 17:52	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 17:52	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 17:52	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 17:52	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 17:52	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 17:52	WG1677782
(S) Toluene-d8	105			75.0-131		05/26/2021 17:52	WG1677782
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/26/2021 17:52	WG1677782
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2021 17:52	WG1677782

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	7990		594	5000	1	06/01/2021 00:33	WG1680552

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1450	B	102	1000	1	06/01/2021 17:56	WG1680382

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2790		28.1	100	1	06/02/2021 15:03	WG1681013
Manganese	346		0.704	5.00	1	06/02/2021 15:03	WG1681013

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	U		31.6	100	1	05/24/2021 09:31	WG1676101
(S) a,a,a-Trifluorotoluene(FID)	97.5			78.0-120		05/24/2021 09:31	WG1676101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	595		0.287	0.678	1	05/23/2021 11:02	WG1675270
Ethane	U		0.296	1.29	1	05/23/2021 11:02	WG1675270
Ethene	U		0.422	1.27	1	05/23/2021 11:02	WG1675270

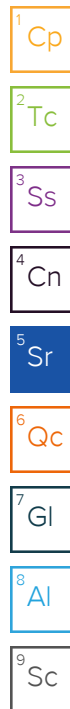
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/26/2021 18:11	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 18:11	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 18:11	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 18:11	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 18:11	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 18:11	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 18:11	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 18:11	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 18:11	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 18:11	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 18:11	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 18:11	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 18:11	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 18:11	WG1677782
Chloroform	0.296		0.0166	0.100	1	05/26/2021 18:11	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 18:11	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 18:11	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 18:11	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 18:11	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 18:11	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 18:11	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 18:11	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 18:11	WG1677782

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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	05/26/2021 18:11	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 18:11	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 18:11	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 18:11	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 18:11	WG1677782
cis-1,2-Dichloroethene	0.186		0.0276	0.100	1	05/26/2021 18:11	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 18:11	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 18:11	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 18:11	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 18:11	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 18:11	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 18:11	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 18:11	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 18:11	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 18:11	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 18:11	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 18:11	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 18:11	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 18:11	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 18:11	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 18:11	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 18:11	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 18:11	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 18:11	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 18:11	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 18:11	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 18:11	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 18:11	WG1677782
Tetrachloroethene	0.671		0.0280	0.100	1	05/26/2021 18:11	WG1677782
Toluene	0.147	U	0.0500	0.200	1	05/26/2021 18:11	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 18:11	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 18:11	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 18:11	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 18:11	WG1677782
Trichloroethene	0.232		0.0160	0.0400	1	05/26/2021 18:11	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 18:11	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 18:11	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 18:11	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 18:11	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 18:11	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 18:11	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 18:11	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 18:11	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2021 19:06	WG1678760
Iodomethane	U		0.242	0.500	1	05/26/2021 18:11	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 18:11	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 18:11	WG1677782
(S) Toluene-d8	104			75.0-131		05/26/2021 18:11	WG1677782
(S) Toluene-d8	104			75.0-131		05/27/2021 19:06	WG1678760
(S) 4-Bromofluorobenzene	97.4			67.0-138		05/26/2021 18:11	WG1677782
(S) 4-Bromofluorobenzene	91.1			67.0-138		05/27/2021 19:06	WG1678760
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2021 18:11	WG1677782
(S) 1,2-Dichloroethane-d4	82.6			70.0-130		05/27/2021 19:06	WG1678760



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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	1.01	J+ C5	0.548	1.00	1	05/26/2021 18:30	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 18:30	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 18:30	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 18:30	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 18:30	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 18:30	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 18:30	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 18:30	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 18:30	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 18:30	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 18:30	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 18:30	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 18:30	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 18:30	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 18:30	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 18:30	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 18:30	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 18:30	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 18:30	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 18:30	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 18:30	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 18:30	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 18:30	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 18:30	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 18:30	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 18:30	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 18:30	WG1677782
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2021 18:30	WG1677782
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2021 18:30	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 18:30	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 18:30	WG1677782
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2021 18:30	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 18:30	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 18:30	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 18:30	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 18:30	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 18:30	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 18:30	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 18:30	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 18:30	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 18:30	WG1677782
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2021 18:30	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 18:30	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 18:30	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 18:30	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 18:30	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 18:30	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 18:30	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 18:30	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 18:30	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 18:30	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 18:30	WG1677782
Toluene	0.0860	J	0.0500	0.200	1	05/26/2021 18:30	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 18:30	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 18:30	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 18:30	WG1677782

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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	05/26/2021 18:30	WG1677782
Trichloroethene	U		0.0160	0.0400	1	05/26/2021 18:30	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 18:30	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 18:30	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 18:30	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 18:30	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 18:30	WG1677782
Vinyl chloride	U		0.0273	0.100	1	05/26/2021 18:30	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 18:30	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 18:30	WG1677782
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2021 18:30	WG1677782
Iodomethane	U		0.242	0.500	1	05/26/2021 18:30	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 18:30	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 18:30	WG1677782
(S) Toluene-d8	104			75.0-131		05/26/2021 18:30	WG1677782
(S) 4-Bromofluorobenzene	95.4			67.0-138		05/26/2021 18:30	WG1677782
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2021 18:30	WG1677782

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 date / time	Batch
Sulfate	600	J	594	5000	1	06/01/2021 00:45	WG1680552

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	27800		102	1000	1	06/01/2021 18:07	WG1680382

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10400		28.1	100	1	06/02/2021 15:07	WG1681013
Manganese	3360		0.704	5.00	1	06/02/2021 15:07	WG1681013

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	67000		2.87	6.78	10	05/25/2021 12:49	WG1676539
Ethane	U		0.296	1.29	1	05/23/2021 11:06	WG1675270
Ethene	U		0.422	1.27	1	05/23/2021 11:06	WG1675270

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	13.0	J+ C5	0.548	1.00	1	05/26/2021 18:49	WG1677782
Acrylonitrile	U		0.0760	0.500	1	05/26/2021 18:49	WG1677782
Benzene	U		0.0160	0.0400	1	05/26/2021 18:49	WG1677782
Bromobenzene	U		0.0420	0.500	1	05/26/2021 18:49	WG1677782
Bromodichloromethane	U		0.0315	0.100	1	05/26/2021 18:49	WG1677782
Bromoform	U		0.239	1.00	1	05/26/2021 18:49	WG1677782
Bromomethane	U		0.148	0.500	1	05/26/2021 18:49	WG1677782
n-Butylbenzene	U		0.153	0.500	1	05/26/2021 18:49	WG1677782
sec-Butylbenzene	U		0.101	0.500	1	05/26/2021 18:49	WG1677782
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2021 18:49	WG1677782
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2021 18:49	WG1677782
Chlorobenzene	U		0.0229	0.100	1	05/26/2021 18:49	WG1677782
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2021 18:49	WG1677782
Chloroethane	U		0.0432	0.200	1	05/26/2021 18:49	WG1677782
Chloroform	U		0.0166	0.100	1	05/26/2021 18:49	WG1677782
Chloromethane	U		0.0556	0.500	1	05/26/2021 18:49	WG1677782
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2021 18:49	WG1677782
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2021 18:49	WG1677782
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/26/2021 18:49	WG1677782
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2021 18:49	WG1677782
Dibromomethane	U		0.0400	0.200	1	05/26/2021 18:49	WG1677782
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2021 18:49	WG1677782
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2021 18:49	WG1677782
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2021 18:49	WG1677782
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2021 18:49	WG1677782
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2021 18:49	WG1677782
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2021 18:49	WG1677782
1,1-Dichloroethene	0.0480	J	0.0200	0.100	1	05/26/2021 18:49	WG1677782
cis-1,2-Dichloroethene	0.367		0.0276	0.100	1	05/26/2021 18:49	WG1677782
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2021 18:49	WG1677782
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2021 18:49	WG1677782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

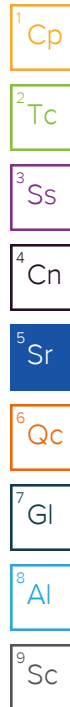
8 Al

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	05/26/2021 18:49	WG1677782
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2021 18:49	WG1677782
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2021 18:49	WG1677782
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2021 18:49	WG1677782
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2021 18:49	WG1677782
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2021 18:49	WG1677782
Ethylbenzene	U		0.0212	0.100	1	05/26/2021 18:49	WG1677782
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2021 18:49	WG1677782
Isopropylbenzene	U		0.0345	0.100	1	05/26/2021 18:49	WG1677782
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2021 18:49	WG1677782
2-Butanone (MEK)	135		0.500	1.00	1	05/26/2021 18:49	WG1677782
Methylene Chloride	U		0.265	1.00	1	05/26/2021 18:49	WG1677782
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2021 18:49	WG1677782
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2021 18:49	WG1677782
Naphthalene	U		0.124	0.500	1	05/26/2021 18:49	WG1677782
n-Propylbenzene	U		0.0472	0.200	1	05/26/2021 18:49	WG1677782
Styrene	U		0.109	0.500	1	05/26/2021 18:49	WG1677782
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2021 18:49	WG1677782
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2021 18:49	WG1677782
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2021 18:49	WG1677782
Tetrachloroethene	U		0.0280	0.100	1	05/26/2021 18:49	WG1677782
Toluene	0.828		0.0500	0.200	1	05/26/2021 18:49	WG1677782
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/26/2021 18:49	WG1677782
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2021 18:49	WG1677782
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2021 18:49	WG1677782
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2021 18:49	WG1677782
Trichloroethene	0.197		0.0160	0.0400	1	05/26/2021 18:49	WG1677782
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2021 18:49	WG1677782
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2021 18:49	WG1677782
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2021 18:49	WG1677782
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2021 18:49	WG1677782
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2021 18:49	WG1677782
Vinyl chloride	9.41		0.0273	0.100	1	05/26/2021 18:49	WG1677782
Xylenes, Total	U		0.191	0.260	1	05/26/2021 18:49	WG1677782
Ethyl Ether	U		0.0170	0.100	1	05/26/2021 18:49	WG1677782
Tetrahydrofuran	21.0		0.450	2.50	5	05/27/2021 19:44	WG1678760
Iodomethane	U		0.242	0.500	1	05/26/2021 18:49	WG1677782
Allyl chloride	U		0.580	1.00	1	05/26/2021 18:49	WG1677782
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2021 18:49	WG1677782
(S) Toluene-d8	98.1			75.0-131		05/26/2021 18:49	WG1677782
(S) Toluene-d8	106			75.0-131		05/27/2021 19:44	WG1678760
(S) 4-Bromofluorobenzene	108			67.0-138		05/26/2021 18:49	WG1677782
(S) 4-Bromofluorobenzene	94.0			67.0-138		05/27/2021 19:44	WG1678760
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2021 18:49	WG1677782
(S) 1,2-Dichloroethane-d4	83.2			70.0-130		05/27/2021 19:44	WG1678760

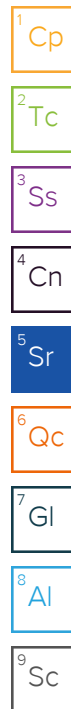


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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.27	J+ C5	0.548	1.00	1	05/31/2021 00:40	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 00:40	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 00:40	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 00:40	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 00:40	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 00:40	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 00:40	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 00:40	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 00:40	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 00:40	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 00:40	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 00:40	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 00:40	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 00:40	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 00:40	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 00:40	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 00:40	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 00:40	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 00:40	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 00:40	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 00:40	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 00:40	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 00:40	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 00:40	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 00:40	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 00:40	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 00:40	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 00:40	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 00:40	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 00:40	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 00:40	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 00:40	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 00:40	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 00:40	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 00:40	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 00:40	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 00:40	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 00:40	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 00:40	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 00:40	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 00:40	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 00:40	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 00:40	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 00:40	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 00:40	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 00:40	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 00:40	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 00:40	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 00:40	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 00:40	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 00:40	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 00:40	WG1680259
Toluene	0.167	J	0.0500	0.200	1	05/31/2021 00:40	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 00:40	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 00:40	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 00:40	WG1680259

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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	05/31/2021 00:40	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 00:40	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 00:40	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 00:40	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 00:40	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 00:40	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 00:40	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 00:40	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 00:40	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 00:40	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 00:40	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 00:40	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 00:40	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 00:40	WG1680259
(S) Toluene-d8	97.1			75.0-131		05/31/2021 00:40	WG1680259
(S) 4-Bromofluorobenzene	108			67.0-138		05/31/2021 00:40	WG1680259
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/31/2021 00:40	WG1680259

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 date / time	Batch
Sulfate	333000		2970	25000	5	06/01/2021 00:56	WG1680552

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8970		102	1000	1	06/01/2021 14:07	WG1680760

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17000		28.1	100	1	06/02/2021 15:22	WG1681013
Manganese	9430		0.704	5.00	1	06/02/2021 15:22	WG1681013

Volatile Organic Compounds (GC) by Method RSK175

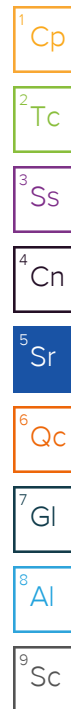
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	12800		2.87	6.78	10	05/25/2021 13:07	WG1676539
Ethane	6.74		0.296	1.29	1	05/23/2021 11:10	WG1675270
Ethene	U		0.422	1.27	1	05/23/2021 11:10	WG1675270

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.19	J+	C5	0.548	1.00	1	05/31/2021 00:59	WG1680259
Acrylonitrile	U			0.0760	0.500	1	05/31/2021 00:59	WG1680259
Benzene	0.0770			0.0160	0.0400	1	05/31/2021 00:59	WG1680259
Bromobenzene	U			0.0420	0.500	1	05/31/2021 00:59	WG1680259
Bromodichloromethane	U			0.0315	0.100	1	05/31/2021 00:59	WG1680259
Bromoform	U			0.239	1.00	1	05/31/2021 00:59	WG1680259
Bromomethane	U	UJ	C3	0.148	0.500	1	05/31/2021 00:59	WG1680259
n-Butylbenzene	U			0.153	0.500	1	05/31/2021 00:59	WG1680259
sec-Butylbenzene	U			0.101	0.500	1	05/31/2021 00:59	WG1680259
tert-Butylbenzene	U			0.0620	0.200	1	05/31/2021 00:59	WG1680259
Carbon tetrachloride	U			0.0432	0.200	1	05/31/2021 00:59	WG1680259
Chlorobenzene	U			0.0229	0.100	1	05/31/2021 00:59	WG1680259
Chlorodibromomethane	U			0.0180	0.100	1	05/31/2021 00:59	WG1680259
Chloroethane	U	UJ	C3	0.0432	0.200	1	05/31/2021 00:59	WG1680259
Chloroform	U			0.0166	0.100	1	05/31/2021 00:59	WG1680259
Chloromethane	U			0.0556	0.500	1	05/31/2021 00:59	WG1680259
2-Chlorotoluene	U			0.0368	0.100	1	05/31/2021 00:59	WG1680259
4-Chlorotoluene	U			0.0452	0.200	1	05/31/2021 00:59	WG1680259
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/31/2021 00:59	WG1680259
1,2-Dibromoethane	U			0.0210	0.100	1	05/31/2021 00:59	WG1680259
Dibromomethane	U			0.0400	0.200	1	05/31/2021 00:59	WG1680259
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/31/2021 00:59	WG1680259
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/31/2021 00:59	WG1680259
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/31/2021 00:59	WG1680259
Dichlorodifluoromethane	U			0.0327	0.100	1	05/31/2021 00:59	WG1680259
1,1-Dichloroethane	U			0.0230	0.100	1	05/31/2021 00:59	WG1680259
1,2-Dichloroethane	U			0.0190	0.100	1	05/31/2021 00:59	WG1680259
1,1-Dichloroethene	0.206			0.0200	0.100	1	05/31/2021 00:59	WG1680259
cis-1,2-Dichloroethene	12.2			0.0276	0.100	1	05/31/2021 00:59	WG1680259
trans-1,2-Dichloroethene	0.0930	J		0.0572	0.200	1	05/31/2021 00:59	WG1680259
1,2-Dichloropropane	U			0.0508	0.200	1	05/31/2021 00:59	WG1680259

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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	05/31/2021 00:59	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 00:59	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 00:59	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 00:59	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 00:59	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 00:59	WG1680259
Ethylbenzene	0.129		0.0212	0.100	1	05/31/2021 00:59	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 00:59	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 00:59	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 00:59	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 00:59	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 00:59	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 00:59	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 00:59	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 00:59	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 00:59	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 00:59	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 00:59	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 00:59	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 00:59	WG1680259
Tetrachloroethene	0.0670	J	0.0280	0.100	1	05/31/2021 00:59	WG1680259
Toluene	1.02		0.0500	0.200	1	05/31/2021 00:59	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 00:59	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 00:59	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 00:59	WG1680259
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2021 00:59	WG1680259
Trichloroethene	0.349		0.0160	0.0400	1	05/31/2021 00:59	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 00:59	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 00:59	WG1680259
1,2,4-Trimethylbenzene	0.0980	U BJ	0.0464	0.200	1	05/31/2021 00:59	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 00:59	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 00:59	WG1680259
Vinyl chloride	2.86		0.0273	0.100	1	05/31/2021 00:59	WG1680259
Xylenes, Total	0.696		0.191	0.260	1	05/31/2021 00:59	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 00:59	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 00:59	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 00:59	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 00:59	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 00:59	WG1680259
(S) Toluene-d8	99.3			75.0-131		05/31/2021 00:59	WG1680259
(S) 4-Bromofluorobenzene	103			67.0-138		05/31/2021 00:59	WG1680259
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/31/2021 00:59	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

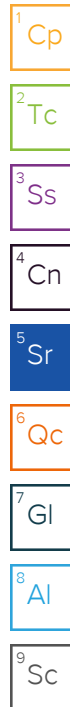
9 Sc

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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	1.42	J+ C5	0.548	1.00	1	05/31/2021 01:18	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 01:18	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 01:18	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 01:18	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 01:18	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 01:18	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 01:18	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 01:18	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 01:18	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 01:18	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 01:18	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 01:18	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 01:18	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 01:18	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 01:18	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 01:18	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 01:18	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 01:18	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 01:18	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 01:18	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 01:18	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 01:18	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 01:18	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 01:18	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 01:18	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 01:18	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 01:18	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 01:18	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 01:18	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 01:18	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 01:18	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 01:18	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 01:18	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 01:18	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 01:18	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 01:18	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 01:18	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 01:18	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 01:18	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 01:18	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 01:18	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 01:18	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 01:18	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 01:18	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 01:18	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 01:18	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 01:18	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 01:18	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 01:18	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 01:18	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 01:18	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 01:18	WG1680259
Toluene	0.220		0.0500	0.200	1	05/31/2021 01:18	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 01:18	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 01:18	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 01:18	WG1680259

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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	05/31/2021 01:18	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 01:18	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 01:18	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 01:18	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 01:18	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 01:18	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 01:18	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 01:18	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 01:18	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 01:18	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 01:18	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 01:18	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 01:18	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 01:18	WG1680259
(S) Toluene-d8	97.6			75.0-131		05/31/2021 01:18	WG1680259
(S) 4-Bromofluorobenzene	107			67.0-138		05/31/2021 01:18	WG1680259
(S) 1,2-Dichloroethane-d4	99.5			70.0-130		05/31/2021 01:18	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

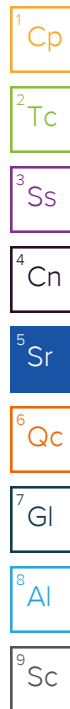
8 Al

9 Sc

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

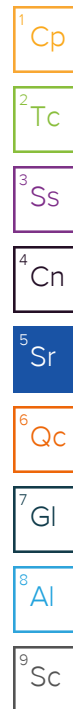
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.41	J+ C5	0.548	1.00	1	05/31/2021 01:37	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 01:37	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 01:37	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 01:37	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 01:37	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 01:37	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 01:37	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 01:37	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 01:37	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 01:37	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 01:37	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 01:37	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 01:37	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 01:37	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 01:37	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 01:37	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 01:37	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 01:37	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 01:37	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 01:37	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 01:37	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 01:37	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 01:37	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 01:37	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 01:37	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 01:37	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 01:37	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 01:37	WG1680259
cis-1,2-Dichloroethene	0.973		0.0276	0.100	1	05/31/2021 01:37	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 01:37	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 01:37	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 01:37	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 01:37	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 01:37	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 01:37	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 01:37	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 01:37	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 01:37	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 01:37	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 01:37	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 01:37	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 01:37	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 01:37	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 01:37	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 01:37	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 01:37	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 01:37	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 01:37	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 01:37	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 01:37	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 01:37	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 01:37	WG1680259
Toluene	0.0930	J	0.0500	0.200	1	05/31/2021 01:37	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 01:37	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 01:37	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 01:37	WG1680259



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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	05/31/2021 01:37	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 01:37	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 01:37	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 01:37	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 01:37	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 01:37	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 01:37	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 01:37	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 01:37	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 01:37	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 01:37	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 01:37	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 01:37	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 01:37	WG1680259
(S) Toluene-d8	99.6			75.0-131		05/31/2021 01:37	WG1680259
(S) 4-Bromofluorobenzene	105			67.0-138		05/31/2021 01:37	WG1680259
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		05/31/2021 01:37	WG1680259

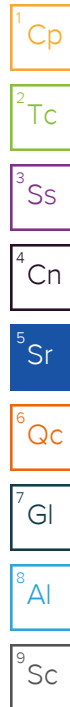


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Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.02	J+ C5	0.548	1.00	1	05/31/2021 01:56	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 01:56	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 01:56	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 01:56	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 01:56	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 01:56	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 01:56	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 01:56	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 01:56	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 01:56	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 01:56	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 01:56	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 01:56	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 01:56	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 01:56	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 01:56	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 01:56	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 01:56	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 01:56	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 01:56	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 01:56	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 01:56	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 01:56	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 01:56	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 01:56	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 01:56	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 01:56	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 01:56	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 01:56	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 01:56	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 01:56	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 01:56	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 01:56	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 01:56	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 01:56	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 01:56	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 01:56	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 01:56	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 01:56	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 01:56	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 01:56	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 01:56	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 01:56	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 01:56	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 01:56	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 01:56	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 01:56	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 01:56	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 01:56	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 01:56	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 01:56	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 01:56	WG1680259
Toluene	0.240		0.0500	0.200	1	05/31/2021 01:56	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 01:56	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 01:56	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 01:56	WG1680259

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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	05/31/2021 01:56	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 01:56	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 01:56	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 01:56	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 01:56	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 01:56	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 01:56	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 01:56	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 01:56	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 01:56	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 01:56	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 01:56	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 01:56	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 01:56	WG1680259
(S) Toluene-d8	99.7			75.0-131		05/31/2021 01:56	WG1680259
(S) 4-Bromofluorobenzene	104			67.0-138		05/31/2021 01:56	WG1680259
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		05/31/2021 01:56	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

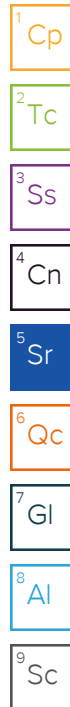
9 Sc

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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	U		0.548	1.00	1	05/31/2021 02:15	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 02:15	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 02:15	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 02:15	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 02:15	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 02:15	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 02:15	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 02:15	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 02:15	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 02:15	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 02:15	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 02:15	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 02:15	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 02:15	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 02:15	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 02:15	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 02:15	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 02:15	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 02:15	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 02:15	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 02:15	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 02:15	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 02:15	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 02:15	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 02:15	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 02:15	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 02:15	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 02:15	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 02:15	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 02:15	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 02:15	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 02:15	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 02:15	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 02:15	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 02:15	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 02:15	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 02:15	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 02:15	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 02:15	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 02:15	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 02:15	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 02:15	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 02:15	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 02:15	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 02:15	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 02:15	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 02:15	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 02:15	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 02:15	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 02:15	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 02:15	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 02:15	WG1680259
Toluene	0.357		0.0500	0.200	1	05/31/2021 02:15	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 02:15	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 02:15	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 02:15	WG1680259

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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	05/31/2021 02:15	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 02:15	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 02:15	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 02:15	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 02:15	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 02:15	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 02:15	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 02:15	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 02:15	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 02:15	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 02:15	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 02:15	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 02:15	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 02:15	WG1680259
(S) Toluene-d8	98.6			75.0-131		05/31/2021 02:15	WG1680259
(S) 4-Bromofluorobenzene	105			67.0-138		05/31/2021 02:15	WG1680259
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		05/31/2021 02:15	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

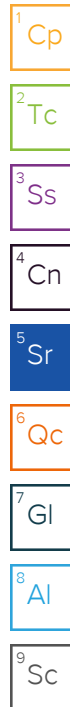
9 Sc

JC 7/8/2021

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	1.26	J+ C5	0.548	1.00	1	05/31/2021 02:33	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 02:33	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 02:33	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 02:33	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 02:33	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 02:33	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 02:33	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 02:33	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 02:33	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 02:33	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 02:33	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 02:33	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 02:33	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 02:33	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 02:33	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 02:33	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 02:33	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 02:33	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 02:33	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 02:33	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 02:33	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 02:33	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 02:33	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 02:33	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 02:33	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 02:33	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 02:33	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 02:33	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 02:33	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 02:33	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 02:33	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 02:33	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 02:33	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 02:33	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 02:33	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 02:33	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 02:33	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 02:33	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 02:33	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 02:33	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 02:33	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 02:33	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 02:33	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 02:33	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 02:33	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 02:33	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 02:33	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 02:33	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 02:33	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 02:33	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 02:33	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 02:33	WG1680259
Toluene	0.272		0.0500	0.200	1	05/31/2021 02:33	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 02:33	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 02:33	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 02:33	WG1680259

JC 7/8/2021



MW-307-051821

SAMPLE RESULTS - 10

Collected date/time: 05/18/21 11:40

L1355165

Volatile Organic 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	05/31/2021 02:33	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 02:33	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 02:33	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 02:33	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 02:33	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 02:33	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 02:33	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 02:33	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 02:33	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 02:33	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 02:33	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 02:33	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 02:33	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 02:33	WG1680259
(S) Toluene-d8	100			75.0-131		05/31/2021 02:33	WG1680259
(S) 4-Bromofluorobenzene	105			67.0-138		05/31/2021 02:33	WG1680259
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		05/31/2021 02:33	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

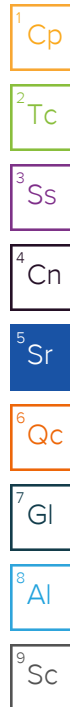
9 Sc

JC 7/8/2021

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	1.20	J+ C5	0.548	1.00	1	05/31/2021 02:52	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 02:52	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 02:52	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 02:52	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 02:52	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 02:52	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 02:52	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 02:52	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 02:52	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 02:52	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 02:52	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 02:52	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 02:52	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 02:52	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 02:52	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 02:52	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 02:52	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 02:52	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 02:52	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 02:52	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 02:52	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 02:52	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 02:52	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 02:52	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 02:52	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 02:52	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 02:52	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 02:52	WG1680259
cis-1,2-Dichloroethene	3.53		0.0276	0.100	1	05/31/2021 02:52	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 02:52	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 02:52	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 02:52	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 02:52	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 02:52	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 02:52	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 02:52	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 02:52	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 02:52	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 02:52	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 02:52	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 02:52	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 02:52	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 02:52	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 02:52	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 02:52	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 02:52	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 02:52	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 02:52	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 02:52	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 02:52	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 02:52	WG1680259
Tetrachloroethene	0.219		0.0280	0.100	1	05/31/2021 02:52	WG1680259
Toluene	0.206		0.0500	0.200	1	05/31/2021 02:52	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 02:52	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 02:52	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 02:52	WG1680259

JC 7/8/2021



MW-326-051821

SAMPLE RESULTS - 11

Collected date/time: 05/18/21 12:05

L1355165

Volatile Organic 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	05/31/2021 02:52	WG1680259
Trichloroethene	0.496		0.0160	0.0400	1	05/31/2021 02:52	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 02:52	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 02:52	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 02:52	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 02:52	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 02:52	WG1680259
Vinyl chloride	0.109		0.0273	0.100	1	05/31/2021 02:52	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 02:52	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 02:52	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 02:52	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 02:52	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 02:52	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 02:52	WG1680259
(S) Toluene-d8	103			75.0-131		05/31/2021 02:52	WG1680259
(S) 4-Bromofluorobenzene	101			67.0-138		05/31/2021 02:52	WG1680259
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/31/2021 02:52	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

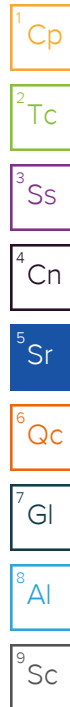
9 Sc

JC 7/8/2021

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	U		0.548	1.00	1	05/31/2021 03:11	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 03:11	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 03:11	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 03:11	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 03:11	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 03:11	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 03:11	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 03:11	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 03:11	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 03:11	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 03:11	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 03:11	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 03:11	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 03:11	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 03:11	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 03:11	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 03:11	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 03:11	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 03:11	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 03:11	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 03:11	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 03:11	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 03:11	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 03:11	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 03:11	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 03:11	WG1680259
1,2-Dichloroethane	0.0720	J	0.0190	0.100	1	05/31/2021 03:11	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 03:11	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 03:11	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 03:11	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 03:11	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 03:11	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 03:11	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 03:11	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 03:11	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 03:11	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 03:11	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 03:11	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 03:11	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 03:11	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 03:11	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 03:11	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 03:11	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 03:11	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 03:11	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 03:11	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 03:11	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 03:11	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 03:11	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 03:11	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 03:11	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 03:11	WG1680259
Toluene	0.109	J	0.0500	0.200	1	05/31/2021 03:11	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 03:11	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 03:11	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 03:11	WG1680259

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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	05/31/2021 03:11	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 03:11	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 03:11	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 03:11	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 03:11	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 03:11	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 03:11	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 03:11	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 03:11	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 03:11	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 03:11	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 03:11	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 03:11	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 03:11	WG1680259
(S) Toluene-d8	102			75.0-131		05/31/2021 03:11	WG1680259
(S) 4-Bromofluorobenzene	102			67.0-138		05/31/2021 03:11	WG1680259
(S) 1,2-Dichloroethane-d4	98.5			70.0-130		05/31/2021 03:11	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

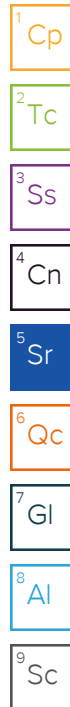
9 Sc

JC 7/8/2021

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	26.3	J+ C5	0.548	1.00	1	05/31/2021 03:30	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 03:30	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 03:30	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 03:30	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 03:30	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 03:30	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 03:30	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 03:30	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 03:30	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 03:30	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 03:30	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 03:30	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 03:30	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 03:30	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 03:30	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 03:30	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 03:30	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 03:30	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 03:30	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 03:30	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 03:30	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 03:30	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 03:30	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 03:30	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 03:30	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 03:30	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 03:30	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 03:30	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 03:30	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 03:30	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 03:30	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 03:30	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 03:30	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 03:30	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 03:30	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 03:30	WG1680259
Di-isopropyl ether	0.276		0.0140	0.0400	1	05/31/2021 03:30	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 03:30	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 03:30	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 03:30	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 03:30	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 03:30	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 03:30	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 03:30	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 03:30	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 03:30	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 03:30	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 03:30	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 03:30	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 03:30	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 03:30	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 03:30	WG1680259
Toluene	0.0870	J	0.0500	0.200	1	05/31/2021 03:30	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 03:30	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 03:30	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 03:30	WG1680259

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MW-333-051821

SAMPLE RESULTS - 13

Collected date/time: 05/18/21 13:35

L1355165

Volatile Organic 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	05/31/2021 03:30	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 03:30	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 03:30	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 03:30	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 03:30	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 03:30	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 03:30	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 03:30	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 03:30	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 03:30	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 03:30	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 03:30	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 03:30	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 03:30	WG1680259
(S) Toluene-d8	100			75.0-131		05/31/2021 03:30	WG1680259
(S) 4-Bromofluorobenzene	104			67.0-138		05/31/2021 03:30	WG1680259
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/31/2021 03:30	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

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	1.25	J+ C5	0.548	1.00	1	05/31/2021 03:49	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 03:49	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 03:49	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 03:49	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 03:49	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 03:49	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 03:49	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 03:49	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 03:49	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 03:49	WG1680259
Carbon tetrachloride	0.236		0.0432	0.200	1	05/31/2021 03:49	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 03:49	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 03:49	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 03:49	WG1680259
Chloroform	0.0980	J	0.0166	0.100	1	05/31/2021 03:49	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 03:49	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 03:49	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 03:49	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 03:49	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 03:49	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 03:49	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 03:49	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 03:49	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 03:49	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 03:49	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 03:49	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 03:49	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 03:49	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 03:49	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 03:49	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 03:49	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 03:49	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 03:49	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 03:49	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 03:49	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 03:49	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 03:49	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 03:49	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 03:49	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 03:49	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 03:49	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 03:49	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 03:49	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 03:49	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 03:49	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 03:49	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 03:49	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 03:49	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 03:49	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 03:49	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 03:49	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 03:49	WG1680259
Toluene	0.0550	J	0.0500	0.200	1	05/31/2021 03:49	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 03:49	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 03:49	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 03:49	WG1680259

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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	05/31/2021 03:49	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 03:49	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 03:49	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 03:49	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 03:49	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 03:49	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 03:49	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 03:49	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 03:49	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 03:49	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 03:49	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 03:49	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 03:49	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 03:49	WG1680259
(S) Toluene-d8	97.5			75.0-131		05/31/2021 03:49	WG1680259
(S) 4-Bromofluorobenzene	109			67.0-138		05/31/2021 03:49	WG1680259
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/31/2021 03:49	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

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	1.35	J+ C5	0.548	1.00	1	05/31/2021 04:08	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 04:08	WG1680259
Benzene	41.0		0.0160	0.0400	1	05/31/2021 04:08	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 04:08	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 04:08	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 04:08	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 04:08	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 04:08	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 04:08	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 04:08	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 04:08	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 04:08	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 04:08	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 04:08	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 04:08	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 04:08	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 04:08	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 04:08	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 04:08	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 04:08	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 04:08	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 04:08	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 04:08	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 04:08	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 04:08	WG1680259
1,1-Dichloroethane	0.146		0.0230	0.100	1	05/31/2021 04:08	WG1680259
1,2-Dichloroethane	0.139		0.0190	0.100	1	05/31/2021 04:08	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 04:08	WG1680259
cis-1,2-Dichloroethene	2.12		0.0276	0.100	1	05/31/2021 04:08	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 04:08	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 04:08	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 04:08	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 04:08	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 04:08	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 04:08	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 04:08	WG1680259
Di-isopropyl ether	0.299		0.0140	0.0400	1	05/31/2021 04:08	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 04:08	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 04:08	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 04:08	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 04:08	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 04:08	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 04:08	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 04:08	WG1680259
Methyl tert-butyl ether	0.0330	J	0.0118	0.0400	1	05/31/2021 04:08	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 04:08	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 04:08	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 04:08	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 04:08	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 04:08	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 04:08	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 04:08	WG1680259
Toluene	0.152	J	0.0500	0.200	1	05/31/2021 04:08	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 04:08	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 04:08	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 04:08	WG1680259

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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	05/31/2021 04:08	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 04:08	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 04:08	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 04:08	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 04:08	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 04:08	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 04:08	WG1680259
Vinyl chloride	15.8		0.0273	0.100	1	05/31/2021 04:08	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 04:08	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 04:08	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 04:08	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 04:08	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 04:08	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 04:08	WG1680259
(S) Toluene-d8	99.7			75.0-131		05/31/2021 04:08	WG1680259
(S) 4-Bromofluorobenzene	105			67.0-138		05/31/2021 04:08	WG1680259
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/31/2021 04:08	WG1680259

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 date / time	Batch
Sulfate	11100		594	5000	1	06/03/2021 22:11	WG1682542

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20000		102	1000	1	06/03/2021 16:25	WG1681841

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7450	~~B~~	562	2000	20	06/09/2021 09:23	WG1683960
Manganese	3900		14.1	100	20	06/09/2021 09:23	WG1683960

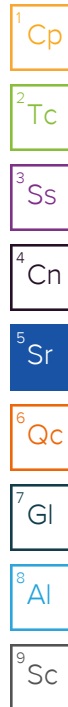
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	9010		2.87	6.78	10	05/26/2021 11:51	WG1677771
Ethane	27.5		0.296	1.29	1	05/26/2021 09:39	WG1677499
Ethene	4.60		0.422	1.27	1	05/26/2021 09:39	WG1677499

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.80	J+ C5	0.548	1.00	1	05/31/2021 04:46	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 04:46	WG1680259
Benzene	0.320		0.0160	0.0400	1	05/31/2021 04:46	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 04:46	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 04:46	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 04:46	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 04:46	WG1680259
n-Butylbenzene	0.255	J	0.153	0.500	1	05/31/2021 04:46	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 04:46	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 04:46	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 04:46	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 04:46	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 04:46	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 04:46	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 04:46	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 04:46	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 04:46	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 04:46	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 04:46	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 04:46	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 04:46	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 04:46	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 04:46	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 04:46	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 04:46	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 04:46	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 04:46	WG1680259
1,1-Dichloroethene	0.175		0.0200	0.100	1	05/31/2021 04:46	WG1680259
cis-1,2-Dichloroethene	31.6		0.0276	0.100	1	05/31/2021 04:46	WG1680259
trans-1,2-Dichloroethene	0.361		0.0572	0.200	1	05/31/2021 04:46	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 04:46	WG1680259

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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	05/31/2021 04:46	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 04:46	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 04:46	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 04:46	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 04:46	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 04:46	WG1680259
Ethylbenzene	0.106		0.0212	0.100	1	05/31/2021 04:46	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 04:46	WG1680259
Isopropylbenzene	0.0560	<u>U</u>	0.0345	0.100	1	05/31/2021 04:46	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 04:46	WG1680259
2-Butanone (MEK)	15.8	J+ <u>C5</u>	0.500	1.00	1	05/31/2021 04:46	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 04:46	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 04:46	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 04:46	WG1680259
Naphthalene	1.80		0.124	0.500	1	05/31/2021 04:46	WG1680259
n-Propylbenzene	0.329		0.0472	0.200	1	05/31/2021 04:46	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 04:46	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 04:46	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 04:46	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ <u>C3</u>	0.0270	0.100	1	05/31/2021 04:46	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 04:46	WG1680259
Toluene	0.143	U <u>U</u>	0.0500	0.200	1	05/31/2021 04:46	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 04:46	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 04:46	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 04:46	WG1680259
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2021 04:46	WG1680259
Trichloroethene	0.243		0.0160	0.0400	1	05/31/2021 04:46	WG1680259
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	05/31/2021 04:46	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 04:46	WG1680259
1,2,4-Trimethylbenzene	0.737	~~U~~	0.0464	0.200	1	05/31/2021 04:46	WG1680259
1,2,3-Trimethylbenzene	0.331		0.0460	0.200	1	05/31/2021 04:46	WG1680259
1,3,5-Trimethylbenzene	0.184	<u>U</u>	0.0432	0.200	1	05/31/2021 04:46	WG1680259
Vinyl chloride	10.1		0.0273	0.100	1	05/31/2021 04:46	WG1680259
Xylenes, Total	0.343		0.191	0.260	1	05/31/2021 04:46	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 04:46	WG1680259
Tetrahydrofuran	7.95	J+ <u>C5</u>	0.0900	0.500	1	05/31/2021 04:46	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 04:46	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 04:46	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 04:46	WG1680259
(S) Toluene-d8	101			75.0-131		05/31/2021 04:46	WG1680259
(S) 4-Bromofluorobenzene	101			67.0-138		05/31/2021 04:46	WG1680259
(S) 1,2-Dichloroethane-d4	99.4			70.0-130		05/31/2021 04:46	WG1680259

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 date / time	Batch
Sulfate	5270		594	5000	1	06/03/2021 22:37	WG1682542

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 date / time	Batch
TOC (Total Organic Carbon)	38200		102	1000	1	06/03/2021 16:39	WG1681841

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	32400		1400	5000	50	06/09/2021 09:27	WG1683960
Manganese	7460		35.2	250	50	06/09/2021 09:27	WG1683960

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	19100		2.87	6.78	10	05/26/2021 11:55	WG1677771
Ethane	363		0.296	1.29	1	05/26/2021 09:45	WG1677499
Ethene	283		0.422	1.27	1	05/26/2021 09:45	WG1677499

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		27.4	50.0	50	05/31/2021 06:20	WG1680259
Acrylonitrile	U		3.80	25.0	50	05/31/2021 06:20	WG1680259
Benzene	U		0.800	2.00	50	05/31/2021 06:20	WG1680259
Bromobenzene	U		2.10	25.0	50	05/31/2021 06:20	WG1680259
Bromodichloromethane	U		1.58	5.00	50	05/31/2021 06:20	WG1680259
Bromoform	U		12.0	50.0	50	05/31/2021 06:20	WG1680259
Bromomethane	U	UJ C3	7.40	25.0	50	05/31/2021 06:20	WG1680259
n-Butylbenzene	U		7.65	25.0	50	05/31/2021 06:20	WG1680259
sec-Butylbenzene	U		5.05	25.0	50	05/31/2021 06:20	WG1680259
tert-Butylbenzene	U		3.10	10.0	50	05/31/2021 06:20	WG1680259
Carbon tetrachloride	U		2.16	10.0	50	05/31/2021 06:20	WG1680259
Chlorobenzene	U		1.15	5.00	50	05/31/2021 06:20	WG1680259
Chlorodibromomethane	U		0.900	5.00	50	05/31/2021 06:20	WG1680259
Chloroethane	U	UJ C3	2.16	10.0	50	05/31/2021 06:20	WG1680259
Chloroform	U		0.830	5.00	50	05/31/2021 06:20	WG1680259
Chloromethane	U		2.78	25.0	50	05/31/2021 06:20	WG1680259
2-Chlorotoluene	U		1.84	5.00	50	05/31/2021 06:20	WG1680259
4-Chlorotoluene	U		2.26	10.0	50	05/31/2021 06:20	WG1680259
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	05/31/2021 06:20	WG1680259
1,2-Dibromoethane	U		1.05	5.00	50	05/31/2021 06:20	WG1680259
Dibromomethane	U		2.00	10.0	50	05/31/2021 06:20	WG1680259
1,2-Dichlorobenzene	U		2.90	10.0	50	05/31/2021 06:20	WG1680259
1,3-Dichlorobenzene	U		3.40	10.0	50	05/31/2021 06:20	WG1680259
1,4-Dichlorobenzene	U		3.94	10.0	50	05/31/2021 06:20	WG1680259
Dichlorodifluoromethane	U		1.64	5.00	50	05/31/2021 06:20	WG1680259
1,1-Dichloroethane	U		1.15	5.00	50	05/31/2021 06:20	WG1680259
1,2-Dichloroethane	U		0.950	5.00	50	05/31/2021 06:20	WG1680259
1,1-Dichloroethene	7.15		1.00	5.00	50	05/31/2021 06:20	WG1680259
cis-1,2-Dichloroethene	4240		1.38	5.00	50	05/31/2021 06:20	WG1680259
trans-1,2-Dichloroethene	21.6		2.86	10.0	50	05/31/2021 06:20	WG1680259
1,2-Dichloropropane	U		2.54	10.0	50	05/31/2021 06:20	WG1680259

JC 7/8/2021

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		1.40	5.00	50	05/31/2021 06:20	WG1680259
1,3-Dichloropropane	U		3.50	10.0	50	05/31/2021 06:20	WG1680259
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/31/2021 06:20	WG1680259
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/31/2021 06:20	WG1680259
2,2-Dichloropropane	U		1.59	5.00	50	05/31/2021 06:20	WG1680259
Di-isopropyl ether	U		0.700	2.00	50	05/31/2021 06:20	WG1680259
Ethylbenzene	U		1.06	5.00	50	05/31/2021 06:20	WG1680259
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/31/2021 06:20	WG1680259
Isopropylbenzene	U		1.73	5.00	50	05/31/2021 06:20	WG1680259
p-Isopropyltoluene	U		4.66	10.0	50	05/31/2021 06:20	WG1680259
2-Butanone (MEK)	U		25.0	50.0	50	05/31/2021 06:20	WG1680259
Methylene Chloride	U		13.3	50.0	50	05/31/2021 06:20	WG1680259
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	05/31/2021 06:20	WG1680259
Methyl tert-butyl ether	U		0.590	2.00	50	05/31/2021 06:20	WG1680259
Naphthalene	U		6.20	25.0	50	05/31/2021 06:20	WG1680259
n-Propylbenzene	U		2.36	10.0	50	05/31/2021 06:20	WG1680259
Styrene	U		5.45	25.0	50	05/31/2021 06:20	WG1680259
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/31/2021 06:20	WG1680259
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	05/31/2021 06:20	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	1.35	5.00	50	05/31/2021 06:20	WG1680259
Tetrachloroethene	U		1.40	5.00	50	05/31/2021 06:20	WG1680259
Toluene	U		2.50	10.0	50	05/31/2021 06:20	WG1680259
1,2,3-Trichlorobenzene	U		1.25	25.0	50	05/31/2021 06:20	WG1680259
1,2,4-Trichlorobenzene	U		9.65	25.0	50	05/31/2021 06:20	WG1680259
1,1,1-Trichloroethane	U		0.550	5.00	50	05/31/2021 06:20	WG1680259
1,1,2-Trichloroethane	U		1.77	5.00	50	05/31/2021 06:20	WG1680259
Trichloroethene	U		0.800	2.00	50	05/31/2021 06:20	WG1680259
Trichlorofluoromethane	U	UJ C3	1.00	5.00	50	05/31/2021 06:20	WG1680259
1,2,3-Trichloropropane	U		10.2	25.0	50	05/31/2021 06:20	WG1680259
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/31/2021 06:20	WG1680259
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/31/2021 06:20	WG1680259
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/31/2021 06:20	WG1680259
Vinyl chloride	1200		1.36	5.00	50	05/31/2021 06:20	WG1680259
Xylenes, Total	U		9.55	13.0	50	05/31/2021 06:20	WG1680259
Ethyl Ether	U		0.850	5.00	50	05/31/2021 06:20	WG1680259
Tetrahydrofuran	U		4.50	25.0	50	05/31/2021 06:20	WG1680259
Iodomethane	U		12.1	25.0	50	05/31/2021 06:20	WG1680259
Allyl chloride	U		29.0	50.0	50	05/31/2021 06:20	WG1680259
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	05/31/2021 06:20	WG1680259
(S) Toluene-d8	98.3			75.0-131		05/31/2021 06:20	WG1680259
(S) 4-Bromofluorobenzene	109			67.0-138		05/31/2021 06:20	WG1680259
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/31/2021 06:20	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

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	2.01	J+ C5	0.548	1.00	1	05/31/2021 05:05	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 05:05	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 05:05	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 05:05	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 05:05	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 05:05	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 05:05	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 05:05	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 05:05	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 05:05	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 05:05	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 05:05	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 05:05	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 05:05	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 05:05	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 05:05	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 05:05	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 05:05	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 05:05	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 05:05	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 05:05	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 05:05	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 05:05	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 05:05	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 05:05	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 05:05	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 05:05	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 05:05	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 05:05	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 05:05	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 05:05	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 05:05	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 05:05	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 05:05	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 05:05	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 05:05	WG1680259
Di-isopropyl ether	0.135		0.0140	0.0400	1	05/31/2021 05:05	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 05:05	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 05:05	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 05:05	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 05:05	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 05:05	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 05:05	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 05:05	WG1680259
Methyl tert-butyl ether	0.0640		0.0118	0.0400	1	05/31/2021 05:05	WG1680259
Naphthalene	0.274	J	0.124	0.500	1	05/31/2021 05:05	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 05:05	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 05:05	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 05:05	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 05:05	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 05:05	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 05:05	WG1680259
Toluene	U		0.0500	0.200	1	05/31/2021 05:05	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 05:05	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 05:05	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 05:05	WG1680259

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MW-317-051921

SAMPLE RESULTS - 03

Collected date/time: 05/19/21 13:30

L1356541

Volatile Organic 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	05/31/2021 05:05	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 05:05	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 05:05	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 05:05	WG1680259
1,2,4-Trimethylbenzene	0.101	U BJ	0.0464	0.200	1	05/31/2021 05:05	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 05:05	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 05:05	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 05:05	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 05:05	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 05:05	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 05:05	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 05:05	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 05:05	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 05:05	WG1680259
(S) Toluene-d8	99.5			75.0-131		05/31/2021 05:05	WG1680259
(S) 4-Bromofluorobenzene	106			67.0-138		05/31/2021 05:05	WG1680259
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/31/2021 05:05	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

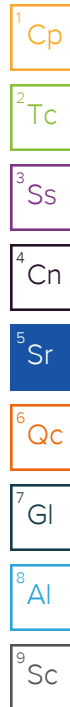
8 Al

9 Sc

JC 7/8/2021

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	U		0.548	1.00	1	05/31/2021 05:23	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 05:23	WG1680259
Benzene	3.97		0.0160	0.0400	1	05/31/2021 05:23	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 05:23	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 05:23	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 05:23	WG1680259
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2021 05:23	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 05:23	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 05:23	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 05:23	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 05:23	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 05:23	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 05:23	WG1680259
Chloroethane	U	UJ C3	0.0432	0.200	1	05/31/2021 05:23	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 05:23	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 05:23	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 05:23	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 05:23	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 05:23	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 05:23	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 05:23	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 05:23	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 05:23	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 05:23	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 05:23	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 05:23	WG1680259
1,2-Dichloroethane	0.104		0.0190	0.100	1	05/31/2021 05:23	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 05:23	WG1680259
cis-1,2-Dichloroethene	0.570		0.0276	0.100	1	05/31/2021 05:23	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 05:23	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 05:23	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 05:23	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 05:23	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 05:23	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 05:23	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 05:23	WG1680259
Di-isopropyl ether	0.303		0.0140	0.0400	1	05/31/2021 05:23	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 05:23	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 05:23	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 05:23	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 05:23	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 05:23	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 05:23	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 05:23	WG1680259
Methyl tert-butyl ether	0.0810		0.0118	0.0400	1	05/31/2021 05:23	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 05:23	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 05:23	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 05:23	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 05:23	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 05:23	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.0270	0.100	1	05/31/2021 05:23	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 05:23	WG1680259
Toluene	0.108	U	0.0500	0.200	1	05/31/2021 05:23	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 05:23	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 05:23	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 05:23	WG1680259



JC 7/8/2021

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	05/31/2021 05:23	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 05:23	WG1680259
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	05/31/2021 05:23	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 05:23	WG1680259
1,2,4-Trimethylbenzene	0.0660	U ~~B-J~~	0.0464	0.200	1	05/31/2021 05:23	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 05:23	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 05:23	WG1680259
Vinyl chloride	1.56		0.0273	0.100	1	05/31/2021 05:23	WG1680259
Xylenes, Total	0.257	J	0.191	0.260	1	05/31/2021 05:23	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 05:23	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 05:23	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 05:23	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 05:23	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 05:23	WG1680259
(S) Toluene-d8	101			75.0-131		05/31/2021 05:23	WG1680259
(S) 4-Bromofluorobenzene	103			67.0-138		05/31/2021 05:23	WG1680259
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		05/31/2021 05:23	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

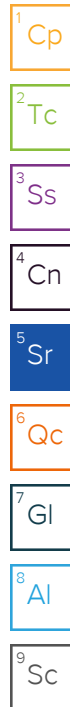
8 Al

9 Sc

JC 7/8/2021

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	1.01	U ~~C5~~	0.548	1.00	1	05/31/2021 05:42	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 05:42	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 05:42	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 05:42	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 05:42	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 05:42	WG1680259
Bromomethane	U	UJ ~~C3~~	0.148	0.500	1	05/31/2021 05:42	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 05:42	WG1680259
sec-Butylbenzene	U		0.101	0.500	1	05/31/2021 05:42	WG1680259
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2021 05:42	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 05:42	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 05:42	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 05:42	WG1680259
Chloroethane	U	UJ ~~C3~~	0.0432	0.200	1	05/31/2021 05:42	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 05:42	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 05:42	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 05:42	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 05:42	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 05:42	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 05:42	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 05:42	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 05:42	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 05:42	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 05:42	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 05:42	WG1680259
1,1-Dichloroethane	0.270		0.0230	0.100	1	05/31/2021 05:42	WG1680259
1,2-Dichloroethane	0.0660	U	0.0190	0.100	1	05/31/2021 05:42	WG1680259
1,1-Dichloroethene	0.156		0.0200	0.100	1	05/31/2021 05:42	WG1680259
cis-1,2-Dichloroethene	37.4		0.0276	0.100	1	05/31/2021 05:42	WG1680259
trans-1,2-Dichloroethene	0.104	U	0.0572	0.200	1	05/31/2021 05:42	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 05:42	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 05:42	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 05:42	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 05:42	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 05:42	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 05:42	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 05:42	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 05:42	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 05:42	WG1680259
Isopropylbenzene	U		0.0345	0.100	1	05/31/2021 05:42	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 05:42	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 05:42	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 05:42	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 05:42	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 05:42	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 05:42	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 05:42	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 05:42	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 05:42	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 05:42	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ ~~C3~~	0.0270	0.100	1	05/31/2021 05:42	WG1680259
Tetrachloroethene	0.0900	U	0.0280	0.100	1	05/31/2021 05:42	WG1680259
Toluene	0.0700	U ~~C3~~	0.0500	0.200	1	05/31/2021 05:42	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 05:42	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 05:42	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 05:42	WG1680259



JC 7/8/2021

MW-319-051921

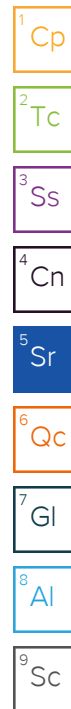
SAMPLE RESULTS - 05

Collected date/time: 05/19/21 15:20

L1356541

Volatile Organic 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	05/31/2021 05:42	WG1680259
Trichloroethene	8.52		0.0160	0.0400	1	05/31/2021 05:42	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 05:42	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 05:42	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 05:42	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 05:42	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 05:42	WG1680259
Vinyl chloride	4.16		0.0273	0.100	1	05/31/2021 05:42	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 05:42	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 05:42	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 05:42	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 05:42	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 05:42	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 05:42	WG1680259
(S) Toluene-d8	98.8			75.0-131		05/31/2021 05:42	WG1680259
(S) 4-Bromofluorobenzene	103			67.0-138		05/31/2021 05:42	WG1680259
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/31/2021 05:42	WG1680259



JC 7/8/2021

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	U		5.48	10.0	10	05/31/2021 06:39	WG1680259
Acrylonitrile	U		0.760	5.00	10	05/31/2021 06:39	WG1680259
Benzene	22.4		0.160	0.400	10	05/31/2021 06:39	WG1680259
Bromobenzene	U		0.420	5.00	10	05/31/2021 06:39	WG1680259
Bromodichloromethane	U		0.315	1.00	10	05/31/2021 06:39	WG1680259
Bromoform	U		2.39	10.0	10	05/31/2021 06:39	WG1680259
Bromomethane	U	UJ C3	1.48	5.00	10	05/31/2021 06:39	WG1680259
n-Butylbenzene	U		1.53	5.00	10	05/31/2021 06:39	WG1680259
sec-Butylbenzene	U		1.01	5.00	10	05/31/2021 06:39	WG1680259
tert-Butylbenzene	U		0.620	2.00	10	05/31/2021 06:39	WG1680259
Carbon tetrachloride	U		0.432	2.00	10	05/31/2021 06:39	WG1680259
Chlorobenzene	U		0.229	1.00	10	05/31/2021 06:39	WG1680259
Chlorodibromomethane	U		0.180	1.00	10	05/31/2021 06:39	WG1680259
Chloroethane	U	UJ C3	0.432	2.00	10	05/31/2021 06:39	WG1680259
Chloroform	U		0.166	1.00	10	05/31/2021 06:39	WG1680259
Chloromethane	U		0.556	5.00	10	05/31/2021 06:39	WG1680259
2-Chlorotoluene	U		0.368	1.00	10	05/31/2021 06:39	WG1680259
4-Chlorotoluene	U		0.452	2.00	10	05/31/2021 06:39	WG1680259
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	05/31/2021 06:39	WG1680259
1,2-Dibromoethane	U		0.210	1.00	10	05/31/2021 06:39	WG1680259
Dibromomethane	U		0.400	2.00	10	05/31/2021 06:39	WG1680259
1,2-Dichlorobenzene	U		0.580	2.00	10	05/31/2021 06:39	WG1680259
1,3-Dichlorobenzene	U		0.680	2.00	10	05/31/2021 06:39	WG1680259
1,4-Dichlorobenzene	U		0.788	2.00	10	05/31/2021 06:39	WG1680259
Dichlorodifluoromethane	U		0.327	1.00	10	05/31/2021 06:39	WG1680259
1,1-Dichloroethane	0.640	J	0.230	1.00	10	05/31/2021 06:39	WG1680259
1,2-Dichloroethane	1.15		0.190	1.00	10	05/31/2021 06:39	WG1680259
1,1-Dichloroethene	4.04		0.200	1.00	10	05/31/2021 06:39	WG1680259
cis-1,2-Dichloroethene	496		0.276	1.00	10	05/31/2021 06:39	WG1680259
trans-1,2-Dichloroethene	2.41		0.572	2.00	10	05/31/2021 06:39	WG1680259
1,2-Dichloropropane	U		0.508	2.00	10	05/31/2021 06:39	WG1680259
1,1-Dichloropropene	U		0.280	1.00	10	05/31/2021 06:39	WG1680259
1,3-Dichloropropane	U		0.700	2.00	10	05/31/2021 06:39	WG1680259
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/31/2021 06:39	WG1680259
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/31/2021 06:39	WG1680259
2,2-Dichloropropane	U		0.317	1.00	10	05/31/2021 06:39	WG1680259
Di-isopropyl ether	0.520		0.140	0.400	10	05/31/2021 06:39	WG1680259
Ethylbenzene	U		0.212	1.00	10	05/31/2021 06:39	WG1680259
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/31/2021 06:39	WG1680259
Isopropylbenzene	U		0.345	1.00	10	05/31/2021 06:39	WG1680259
p-Isopropyltoluene	U		0.932	2.00	10	05/31/2021 06:39	WG1680259
2-Butanone (MEK)	U		5.00	10.0	10	05/31/2021 06:39	WG1680259
Methylene Chloride	U		2.65	10.0	10	05/31/2021 06:39	WG1680259
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/31/2021 06:39	WG1680259
Methyl tert-butyl ether	1.18		0.118	0.400	10	05/31/2021 06:39	WG1680259
Naphthalene	U		1.24	5.00	10	05/31/2021 06:39	WG1680259
n-Propylbenzene	U		0.472	2.00	10	05/31/2021 06:39	WG1680259
Styrene	U		1.09	5.00	10	05/31/2021 06:39	WG1680259
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/31/2021 06:39	WG1680259
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/31/2021 06:39	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ C3	0.270	1.00	10	05/31/2021 06:39	WG1680259
Tetrachloroethene	8.80		0.280	1.00	10	05/31/2021 06:39	WG1680259
Toluene	U		0.500	2.00	10	05/31/2021 06:39	WG1680259
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/31/2021 06:39	WG1680259
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/31/2021 06:39	WG1680259
1,1,1-Trichloroethane	U		0.110	1.00	10	05/31/2021 06:39	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

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	05/31/2021 06:39	WG1680259
Trichloroethene	259		0.160	0.400	10	05/31/2021 06:39	WG1680259
Trichlorofluoromethane	U	UJ C3	0.200	1.00	10	05/31/2021 06:39	WG1680259
1,2,3-Trichloropropane	U		2.04	5.00	10	05/31/2021 06:39	WG1680259
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/31/2021 06:39	WG1680259
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/31/2021 06:39	WG1680259
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/31/2021 06:39	WG1680259
Vinyl chloride	43.0		0.273	1.00	10	05/31/2021 06:39	WG1680259
Xylenes, Total	U		1.91	2.60	10	05/31/2021 06:39	WG1680259
Ethyl Ether	U		0.170	1.00	10	05/31/2021 06:39	WG1680259
Tetrahydrofuran	U		0.900	5.00	10	05/31/2021 06:39	WG1680259
Iodomethane	U		2.42	5.00	10	05/31/2021 06:39	WG1680259
Allyl chloride	U		5.80	10.0	10	05/31/2021 06:39	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/31/2021 06:39	WG1680259
(S) Toluene-d8	97.9			75.0-131		05/31/2021 06:39	WG1680259
(S) 4-Bromofluorobenzene	104			67.0-138		05/31/2021 06:39	WG1680259
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/31/2021 06:39	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

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	1.74	U	0.548	1.00	1	05/31/2021 06:01	WG1680259
Acrylonitrile	U		0.0760	0.500	1	05/31/2021 06:01	WG1680259
Benzene	U		0.0160	0.0400	1	05/31/2021 06:01	WG1680259
Bromobenzene	U		0.0420	0.500	1	05/31/2021 06:01	WG1680259
Bromodichloromethane	U		0.0315	0.100	1	05/31/2021 06:01	WG1680259
Bromoform	U		0.239	1.00	1	05/31/2021 06:01	WG1680259
Bromomethane	U	UJ	0.148	0.500	1	05/31/2021 06:01	WG1680259
n-Butylbenzene	U		0.153	0.500	1	05/31/2021 06:01	WG1680259
sec-Butylbenzene	0.207	J	0.101	0.500	1	05/31/2021 06:01	WG1680259
tert-Butylbenzene	1.13		0.0620	0.200	1	05/31/2021 06:01	WG1680259
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2021 06:01	WG1680259
Chlorobenzene	U		0.0229	0.100	1	05/31/2021 06:01	WG1680259
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2021 06:01	WG1680259
Chloroethane	U	UJ	0.0432	0.200	1	05/31/2021 06:01	WG1680259
Chloroform	U		0.0166	0.100	1	05/31/2021 06:01	WG1680259
Chloromethane	U		0.0556	0.500	1	05/31/2021 06:01	WG1680259
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2021 06:01	WG1680259
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2021 06:01	WG1680259
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/31/2021 06:01	WG1680259
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2021 06:01	WG1680259
Dibromomethane	U		0.0400	0.200	1	05/31/2021 06:01	WG1680259
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2021 06:01	WG1680259
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2021 06:01	WG1680259
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2021 06:01	WG1680259
Dichlorodifluoromethane	U		0.0327	0.100	1	05/31/2021 06:01	WG1680259
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2021 06:01	WG1680259
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2021 06:01	WG1680259
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2021 06:01	WG1680259
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/31/2021 06:01	WG1680259
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2021 06:01	WG1680259
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2021 06:01	WG1680259
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2021 06:01	WG1680259
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2021 06:01	WG1680259
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2021 06:01	WG1680259
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2021 06:01	WG1680259
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2021 06:01	WG1680259
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2021 06:01	WG1680259
Ethylbenzene	U		0.0212	0.100	1	05/31/2021 06:01	WG1680259
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2021 06:01	WG1680259
Isopropylbenzene	0.107		0.0345	0.100	1	05/31/2021 06:01	WG1680259
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2021 06:01	WG1680259
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2021 06:01	WG1680259
Methylene Chloride	U		0.265	1.00	1	05/31/2021 06:01	WG1680259
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2021 06:01	WG1680259
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/31/2021 06:01	WG1680259
Naphthalene	U		0.124	0.500	1	05/31/2021 06:01	WG1680259
n-Propylbenzene	U		0.0472	0.200	1	05/31/2021 06:01	WG1680259
Styrene	U		0.109	0.500	1	05/31/2021 06:01	WG1680259
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2021 06:01	WG1680259
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2021 06:01	WG1680259
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	05/31/2021 06:01	WG1680259
Tetrachloroethene	U		0.0280	0.100	1	05/31/2021 06:01	WG1680259
Toluene	0.0520	U	0.0500	0.200	1	05/31/2021 06:01	WG1680259
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/31/2021 06:01	WG1680259
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/31/2021 06:01	WG1680259
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2021 06:01	WG1680259

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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	05/31/2021 06:01	WG1680259
Trichloroethene	U		0.0160	0.0400	1	05/31/2021 06:01	WG1680259
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	05/31/2021 06:01	WG1680259
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2021 06:01	WG1680259
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2021 06:01	WG1680259
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/31/2021 06:01	WG1680259
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2021 06:01	WG1680259
Vinyl chloride	U		0.0273	0.100	1	05/31/2021 06:01	WG1680259
Xylenes, Total	U		0.191	0.260	1	05/31/2021 06:01	WG1680259
Ethyl Ether	U		0.0170	0.100	1	05/31/2021 06:01	WG1680259
Tetrahydrofuran	U		0.0900	0.500	1	05/31/2021 06:01	WG1680259
Iodomethane	U		0.242	0.500	1	05/31/2021 06:01	WG1680259
Allyl chloride	U		0.580	1.00	1	05/31/2021 06:01	WG1680259
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/31/2021 06:01	WG1680259
(S) Toluene-d8	97.6			75.0-131		05/31/2021 06:01	WG1680259
(S) 4-Bromofluorobenzene	102			67.0-138		05/31/2021 06:01	WG1680259
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/31/2021 06:01	WG1680259

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

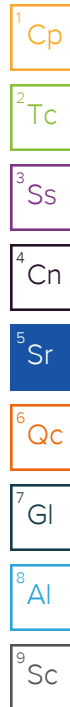
8 Al

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	1.38	U	0.548	1.00	1	06/01/2021 13:40	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 13:40	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 13:40	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 13:40	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 13:40	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 13:40	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 13:40	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 13:40	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 13:40	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 13:40	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 13:40	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 13:40	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 13:40	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 13:40	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 13:40	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 13:40	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 13:40	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 13:40	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 13:40	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 13:40	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 13:40	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 13:40	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 13:40	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 13:40	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 13:40	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 13:40	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 13:40	WG1680848
1,1-Dichloroethene	0.686		0.0200	0.100	1	06/01/2021 13:40	WG1680848
cis-1,2-Dichloroethene	115		0.276	1.00	10	06/03/2021 13:18	WG1682147
trans-1,2-Dichloroethene	0.111	U	0.0572	0.200	1	06/01/2021 13:40	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 13:40	WG1680848
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 13:40	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 13:40	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 13:40	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 13:40	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 13:40	WG1680848
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 13:40	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 13:40	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 13:40	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 13:40	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 13:40	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 13:40	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 13:40	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 13:40	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 13:40	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 13:40	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 13:40	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 13:40	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 13:40	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 13:40	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 13:40	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/01/2021 13:40	WG1680848
Toluene	0.114	U	0.0500	0.200	1	06/01/2021 13:40	WG1680848
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	06/01/2021 13:40	WG1680848
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	06/01/2021 13:40	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 13:40	WG1680848



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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	06/01/2021 13:40	WG1680848
Trichloroethene	0.0900		0.0160	0.0400	1	06/01/2021 13:40	WG1680848
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 13:40	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 13:40	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 13:40	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 13:40	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 13:40	WG1680848
Vinyl chloride	31.4		0.0273	0.100	1	06/01/2021 13:40	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 13:40	WG1680848
Ethyl Ether	0.0460	J	0.0170	0.100	1	06/01/2021 13:40	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 13:40	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 13:40	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 13:40	WG1680848
Trans-1,4-Dichloro-2-butene	U	d3	0.0560	0.200	1	06/01/2021 13:40	WG1680848
(S) Toluene-d8	97.1			75.0-131		06/01/2021 13:40	WG1680848
(S) Toluene-d8	102			75.0-131		06/03/2021 13:18	WG1682147
(S) 4-Bromofluorobenzene	105			67.0-138		06/01/2021 13:40	WG1680848
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/03/2021 13:18	WG1682147
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2021 13:40	WG1680848
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/03/2021 13:18	WG1682147

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

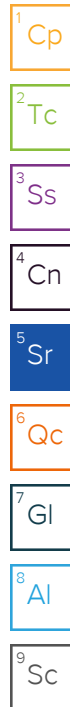
8 Al

9 Sc

JC 7/8/2021

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	1.63	U	0.548	1.00	1	06/01/2021 13:59	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 13:59	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 13:59	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 13:59	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 13:59	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 13:59	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 13:59	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 13:59	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 13:59	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 13:59	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 13:59	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 13:59	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 13:59	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 13:59	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 13:59	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 13:59	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 13:59	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 13:59	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 13:59	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 13:59	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 13:59	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 13:59	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 13:59	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 13:59	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 13:59	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 13:59	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 13:59	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 13:59	WG1680848
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2021 13:37	WG1682147
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 13:59	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 13:59	WG1680848
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 13:59	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 13:59	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 13:59	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 13:59	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 13:59	WG1680848
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 13:59	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 13:59	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 13:59	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 13:59	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 13:59	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 13:59	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 13:59	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 13:59	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 13:59	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 13:59	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 13:59	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 13:59	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 13:59	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 13:59	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 13:59	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/01/2021 13:59	WG1680848
Toluene	0.0710	U	0.0500	0.200	1	06/01/2021 13:59	WG1680848
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	06/01/2021 13:59	WG1680848
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	06/01/2021 13:59	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 13:59	WG1680848



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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	06/01/2021 13:59	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/01/2021 13:59	WG1680848
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 13:59	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 13:59	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 13:59	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 13:59	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 13:59	WG1680848
Vinyl chloride	U		0.0273	0.100	1	06/01/2021 13:59	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 13:59	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 13:59	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 13:59	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 13:59	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 13:59	WG1680848
Trans-1,4-Dichloro-2-butene	U	~~UJ~~	0.0560	0.200	1	06/01/2021 13:59	WG1680848
(S) Toluene-d8	99.9			75.0-131		06/01/2021 13:59	WG1680848
(S) Toluene-d8	101			75.0-131		06/03/2021 13:37	WG1682147
(S) 4-Bromofluorobenzene	101			67.0-138		06/01/2021 13:59	WG1680848
(S) 4-Bromofluorobenzene	95.0			67.0-138		06/03/2021 13:37	WG1682147
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/01/2021 13:59	WG1680848
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2021 13:37	WG1682147

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/8/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	3830	J	594	5000	1	06/03/2021 23:02	WG1682542

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5670		102	1000	1	06/03/2021 16:52	WG1681841

Metals (ICPMS) by Method 6020B

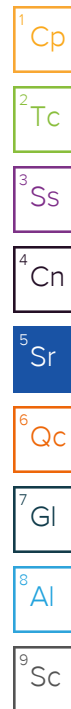
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	13900		562	2000	20	06/09/2021 09:30	WG1683960
Manganese	3140		14.1	100	20	06/09/2021 09:30	WG1683960

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	7960		2.87	6.78	10	05/26/2021 11:59	WG1677771
Ethane	U		0.296	1.29	1	05/26/2021 10:19	WG1677499
Ethene	U		0.422	1.27	1	05/26/2021 10:19	WG1677499

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.27		0.548	1.00	1	06/01/2021 14:18	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 14:18	WG1680848
Benzene	0.0410		0.0160	0.0400	1	06/01/2021 14:18	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 14:18	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 14:18	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 14:18	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 14:18	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 14:18	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 14:18	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 14:18	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 14:18	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 14:18	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 14:18	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 14:18	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 14:18	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 14:18	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 14:18	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 14:18	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 14:18	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 14:18	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 14:18	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 14:18	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 14:18	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 14:18	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 14:18	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 14:18	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 14:18	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 14:18	WG1680848
cis-1,2-Dichloroethene	10.6		0.0276	0.100	1	06/01/2021 14:18	WG1680848
trans-1,2-Dichloroethene	0.165	J	0.0572	0.200	1	06/01/2021 14:18	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 14:18	WG1680848



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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	06/01/2021 14:18	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 14:18	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 14:18	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 14:18	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 14:18	WG1680848
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 14:18	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 14:18	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 14:18	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 14:18	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 14:18	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 14:18	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 14:18	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 14:18	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 14:18	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 14:18	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 14:18	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 14:18	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 14:18	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 14:18	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 14:18	WG1680848
Tetrachloroethene	0.210		0.0280	0.100	1	06/01/2021 14:18	WG1680848
Toluene	0.0710	U ~~U~~	0.0500	0.200	1	06/01/2021 14:18	WG1680848
1,2,3-Trichlorobenzene	U	~~U~~ C4	0.0250	0.500	1	06/01/2021 14:18	WG1680848
1,2,4-Trichlorobenzene	U	~~U~~ C4	0.193	0.500	1	06/01/2021 14:18	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 14:18	WG1680848
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2021 14:18	WG1680848
Trichloroethene	1.70		0.0160	0.0400	1	06/01/2021 14:18	WG1680848
Trichlorofluoromethane	U	~~U~~ C3	0.0200	0.100	1	06/01/2021 14:18	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 14:18	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 14:18	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 14:18	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 14:18	WG1680848
Vinyl chloride	0.252		0.0273	0.100	1	06/01/2021 14:18	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 14:18	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 14:18	WG1680848
Tetrahydrofuran	0.353	U ~~U~~	0.0900	0.500	1	06/01/2021 14:18	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 14:18	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 14:18	WG1680848
Trans-1,4-Dichloro-2-butene	U	~~U~~ C3	0.0560	0.200	1	06/01/2021 14:18	WG1680848
(S) Toluene-d8	97.2			75.0-131		06/01/2021 14:18	WG1680848
(S) 4-Bromofluorobenzene	103			67.0-138		06/01/2021 14:18	WG1680848
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/01/2021 14:18	WG1680848

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		27.4	50.0	50	06/01/2021 19:02	WG1680848
Acrylonitrile	U		3.80	25.0	50	06/01/2021 19:02	WG1680848
Benzene	U		0.800	2.00	50	06/01/2021 19:02	WG1680848
Bromobenzene	U		2.10	25.0	50	06/01/2021 19:02	WG1680848
Bromodichloromethane	U		1.58	5.00	50	06/01/2021 19:02	WG1680848
Bromoform	U		12.0	50.0	50	06/01/2021 19:02	WG1680848
Bromomethane	U		7.40	25.0	50	06/01/2021 19:02	WG1680848
n-Butylbenzene	U		7.65	25.0	50	06/01/2021 19:02	WG1680848
sec-Butylbenzene	U		5.05	25.0	50	06/01/2021 19:02	WG1680848
tert-Butylbenzene	U		3.10	10.0	50	06/01/2021 19:02	WG1680848
Carbon tetrachloride	U		2.16	10.0	50	06/01/2021 19:02	WG1680848
Chlorobenzene	U		1.15	5.00	50	06/01/2021 19:02	WG1680848
Chlorodibromomethane	U		0.900	5.00	50	06/01/2021 19:02	WG1680848
Chloroethane	U		2.16	10.0	50	06/01/2021 19:02	WG1680848
Chloroform	U		0.830	5.00	50	06/01/2021 19:02	WG1680848
Chloromethane	U		2.78	25.0	50	06/01/2021 19:02	WG1680848
2-Chlorotoluene	U		1.84	5.00	50	06/01/2021 19:02	WG1680848
4-Chlorotoluene	U		2.26	10.0	50	06/01/2021 19:02	WG1680848
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	06/01/2021 19:02	WG1680848
1,2-Dibromoethane	U		1.05	5.00	50	06/01/2021 19:02	WG1680848
Dibromomethane	U		2.00	10.0	50	06/01/2021 19:02	WG1680848
1,2-Dichlorobenzene	U		2.90	10.0	50	06/01/2021 19:02	WG1680848
1,3-Dichlorobenzene	U		3.40	10.0	50	06/01/2021 19:02	WG1680848
1,4-Dichlorobenzene	U		3.94	10.0	50	06/01/2021 19:02	WG1680848
Dichlorodifluoromethane	U		1.64	5.00	50	06/01/2021 19:02	WG1680848
1,1-Dichloroethane	U		1.15	5.00	50	06/01/2021 19:02	WG1680848
1,2-Dichloroethane	U		0.950	5.00	50	06/01/2021 19:02	WG1680848
1,1-Dichloroethene	6.05		1.00	5.00	50	06/01/2021 19:02	WG1680848
cis-1,2-Dichloroethene	3470		1.38	5.00	50	06/01/2021 19:02	WG1680848
trans-1,2-Dichloroethene	10.5		2.86	10.0	50	06/01/2021 19:02	WG1680848
1,2-Dichloropropane	U		2.54	10.0	50	06/01/2021 19:02	WG1680848
1,1-Dichloropropene	U		1.40	5.00	50	06/01/2021 19:02	WG1680848
1,3-Dichloropropane	U		3.50	10.0	50	06/01/2021 19:02	WG1680848
cis-1,3-Dichloropropene	U		1.36	5.00	50	06/01/2021 19:02	WG1680848
trans-1,3-Dichloropropene	U		3.06	10.0	50	06/01/2021 19:02	WG1680848
2,2-Dichloropropane	U		1.59	5.00	50	06/01/2021 19:02	WG1680848
Di-isopropyl ether	U		0.700	2.00	50	06/01/2021 19:02	WG1680848
Ethylbenzene	U		1.06	5.00	50	06/01/2021 19:02	WG1680848
Hexachloro-1,3-butadiene	U		25.4	50.0	50	06/01/2021 19:02	WG1680848
Isopropylbenzene	U		1.73	5.00	50	06/01/2021 19:02	WG1680848
p-Isopropyltoluene	U		4.66	10.0	50	06/01/2021 19:02	WG1680848
2-Butanone (MEK)	U		25.0	50.0	50	06/01/2021 19:02	WG1680848
Methylene Chloride	U		13.3	50.0	50	06/01/2021 19:02	WG1680848
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	06/01/2021 19:02	WG1680848
Methyl tert-butyl ether	U		0.590	2.00	50	06/01/2021 19:02	WG1680848
Naphthalene	U		6.20	25.0	50	06/01/2021 19:02	WG1680848
n-Propylbenzene	U		2.36	10.0	50	06/01/2021 19:02	WG1680848
Styrene	U		5.45	25.0	50	06/01/2021 19:02	WG1680848
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	06/01/2021 19:02	WG1680848
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	06/01/2021 19:02	WG1680848
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	06/01/2021 19:02	WG1680848
Tetrachloroethene	U		1.40	5.00	50	06/01/2021 19:02	WG1680848
Toluene	U		2.50	10.0	50	06/01/2021 19:02	WG1680848
1,2,3-Trichlorobenzene	U	UJ C4	1.25	25.0	50	06/01/2021 19:02	WG1680848
1,2,4-Trichlorobenzene	U	UJ C4	9.65	25.0	50	06/01/2021 19:02	WG1680848
1,1,1-Trichloroethane	U		0.550	5.00	50	06/01/2021 19:02	WG1680848

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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		1.77	5.00	50	06/01/2021 19:02	WG1680848
Trichloroethene	1.95	<u>J</u>	0.800	2.00	50	06/01/2021 19:02	WG1680848
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	1.00	5.00	50	06/01/2021 19:02	WG1680848
1,2,3-Trichloropropane	U		10.2	25.0	50	06/01/2021 19:02	WG1680848
1,2,4-Trimethylbenzene	U		2.32	10.0	50	06/01/2021 19:02	WG1680848
1,2,3-Trimethylbenzene	U		2.30	10.0	50	06/01/2021 19:02	WG1680848
1,3,5-Trimethylbenzene	U		2.16	10.0	50	06/01/2021 19:02	WG1680848
Vinyl chloride	45.6		1.36	5.00	50	06/01/2021 19:02	WG1680848
Xylenes, Total	U		9.55	13.0	50	06/01/2021 19:02	WG1680848
Ethyl Ether	U		0.850	5.00	50	06/01/2021 19:02	WG1680848
Tetrahydrofuran	U		4.50	25.0	50	06/01/2021 19:02	WG1680848
Iodomethane	U		12.1	25.0	50	06/01/2021 19:02	WG1680848
Allyl chloride	U		29.0	50.0	50	06/01/2021 19:02	WG1680848
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	2.80	10.0	50	06/01/2021 19:02	WG1680848
(S) Toluene-d8	95.3			75.0-131		06/01/2021 19:02	WG1680848
(S) 4-Bromofluorobenzene	110			67.0-138		06/01/2021 19:02	WG1680848
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2021 19:02	WG1680848

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

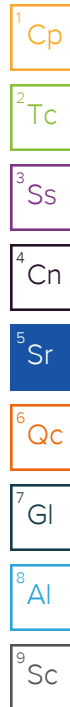
8 Al

9 Sc

JC
7/8/2021

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	U		0.548	1.00	1	06/10/2021 02:44	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 02:44	WG1685408
Benzene	0.139		0.0160	0.0400	1	06/10/2021 02:44	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 02:44	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 02:44	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 02:44	WG1685408
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2021 02:44	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 02:44	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 02:44	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 02:44	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 02:44	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 02:44	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 02:44	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 02:44	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 02:44	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 02:44	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 02:44	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 02:44	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 02:44	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 02:44	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 02:44	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 02:44	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 02:44	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 02:44	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 02:44	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 02:44	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 02:44	WG1685408
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2021 02:44	WG1685408
cis-1,2-Dichloroethene	3.17		0.0276	0.100	1	06/10/2021 02:44	WG1685408
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2021 02:44	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 02:44	WG1685408
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2021 02:44	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 02:44	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 02:44	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 02:44	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 02:44	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 02:44	WG1685408
Ethylbenzene	U		0.0212	0.100	1	06/10/2021 02:44	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 02:44	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 02:44	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 02:44	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 02:44	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 02:44	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 02:44	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 02:44	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 02:44	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 02:44	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 02:44	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 02:44	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 02:44	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 02:44	WG1685408
Tetrachloroethene	U		0.0280	0.100	1	06/10/2021 02:44	WG1685408
Toluene	U		0.0500	0.200	1	06/10/2021 02:44	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 02:44	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 02:44	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 02:44	WG1685408



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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	06/10/2021 02:44	WG1685408
Trichloroethene	U		0.0160	0.0400	1	06/10/2021 02:44	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 02:44	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 02:44	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 02:44	WG1685408
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	06/10/2021 02:44	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 02:44	WG1685408
Vinyl chloride	3.81		0.0273	0.100	1	06/10/2021 02:44	WG1685408
Xylenes, Total	U		0.191	0.260	1	06/10/2021 02:44	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 02:44	WG1685408
Tetrahydrofuran	U	~~J3~~	0.0900	0.500	1	06/10/2021 02:44	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 02:44	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 02:44	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 02:44	WG1685408
(S) Toluene-d8	98.1			75.0-131		06/10/2021 02:44	WG1685408
(S) 4-Bromofluorobenzene	98.3			67.0-138		06/10/2021 02:44	WG1685408
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/10/2021 02:44	WG1685408

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

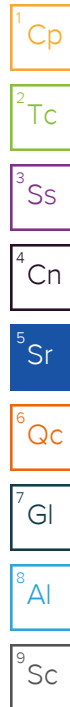
9 Sc

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

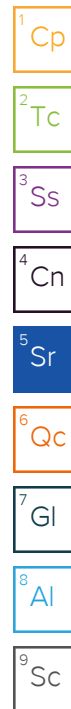
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	0.852	J	0.548	1.00	1	06/10/2021 03:03	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 03:03	WG1685408
Benzene	0.526		0.0160	0.0400	1	06/10/2021 03:03	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 03:03	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 03:03	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 03:03	WG1685408
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2021 03:03	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 03:03	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 03:03	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 03:03	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 03:03	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 03:03	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 03:03	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 03:03	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 03:03	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 03:03	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 03:03	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 03:03	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 03:03	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 03:03	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 03:03	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 03:03	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 03:03	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 03:03	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 03:03	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 03:03	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 03:03	WG1685408
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2021 03:03	WG1685408
cis-1,2-Dichloroethene	6.45		0.0276	0.100	1	06/10/2021 03:03	WG1685408
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2021 03:03	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 03:03	WG1685408
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2021 03:03	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 03:03	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 03:03	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 03:03	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 03:03	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 03:03	WG1685408
Ethylbenzene	U		0.0212	0.100	1	06/10/2021 03:03	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 03:03	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 03:03	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 03:03	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 03:03	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 03:03	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 03:03	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 03:03	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 03:03	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 03:03	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 03:03	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 03:03	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 03:03	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 03:03	WG1685408
Tetrachloroethene	U		0.0280	0.100	1	06/10/2021 03:03	WG1685408
Toluene	U		0.0500	0.200	1	06/10/2021 03:03	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 03:03	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 03:03	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 03:03	WG1685408

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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	06/10/2021 03:03	WG1685408
Trichloroethene	U		0.0160	0.0400	1	06/10/2021 03:03	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 03:03	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 03:03	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 03:03	WG1685408
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	06/10/2021 03:03	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 03:03	WG1685408
Vinyl chloride	2.54		0.0273	0.100	1	06/10/2021 03:03	WG1685408
Xylenes, Total	U		0.191	0.260	1	06/10/2021 03:03	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 03:03	WG1685408
Tetrahydrofuran	U	~~J3~~	0.0900	0.500	1	06/10/2021 03:03	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 03:03	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 03:03	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 03:03	WG1685408
(S) Toluene-d8	99.9			75.0-131		06/10/2021 03:03	WG1685408
(S) 4-Bromofluorobenzene	97.1			67.0-138		06/10/2021 03:03	WG1685408
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		06/10/2021 03:03	WG1685408



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MEMORANDUM

TO: Project File **DATE:** July 8, 2021

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.601 and 1413.001.02.501G

TASK: EIM Data Validation Level EPA2A for 2nd Quarter Monitoring 2021 – Groundwater Samples – Group 4

LAB: Pace Sample Delivery Groups (SDGs): L1358827, L1361471, L1363250, and L1364003

Twenty-three (23) groundwater samples including one field duplicate, one equipment blank, and one trip blank were collected as part of the 2nd Quarterly May-June 2021 Monitoring Round for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington. 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;
- 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 4 analytical results are reported in SDGs L1358827, L1361471, L1363250, and L1364003. The quality assurance review of the laboratory data associated with Group 4 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 Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA Contract Laboratory Program 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 L1358827 – Pace sample receipt notes indicate that multiple analyses were requested for sample MW-329-052521 however only one container was received. Multiple containers were provided for sample MW-953-052521 with only one analysis requested. Laboratory notes indicated, with PES's confirmation, that sample MW-329-052521 should only be analyzed for VOCs and that sample MW-953-052521 should be analyzed for sulfate, total iron, total manganese, low level dissolved gases via RSK-175, TOC, and VOCs. No action is taken other than to note this.

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 (Sulfate and TOC):

All samples were analyzed within the USEPA recommended holding time for sulfate (28 days), 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 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. 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 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.**
- 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 are 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 L1358827 – Analytical batch WG1682788: A low level of 2-butanone (MEK) is detected below the RDL. No action is needed since MEK is not detected in the associated samples. MEK is detected in the associated equipment blank, but no action is needed since MEK was not detected in the associated samples.

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

Laboratory method blanks are 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 are included with the analytical batches per method requirement. 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/or metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1358827	WG1683290	9060A	TOC	369	J	1000	µg/L	NO
L1358827	WG1686254	6020B	Manganese	4.00	J	5.00	µg/L	NO
L1361471	WG1683969	9060A	TOC	365	J	1000	µg/L	NO
L1363250	WG1685123	9060A	TOC	213	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 L1363250: TOC was detected at 213 µg/L and below the RDL (1000 µg/L). Sample MW-138-060721 was detected at 921 µg/L. **Sample MW-138-060721 TOC result is qualified as not detected (U) due to blank contamination.**

Trip Blank Results

USEPA Method 8260D:

One trip blank (TripBlank-052621) was 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 L1358827: A low level of toluene is detected in the trip blank (TripBlank-052621). A low level of toluene is also detected in the equipment blank. Actions are as follows:
 - Toluene is detected at 0.0810 µg/L and below the RDL (0.200 µg/L) in the trip blank. Low levels of toluene are also detected below the RDL in samples MW-161-052521, MW116-052521, MW113-052521, MW115-052521, MW-341-052521, MW-328-052521, MW-953-052621, and FMW-129-052621. **Toluene results for these samples are qualified as not detected (U) due to blank contamination.** For additional discussion refer to the section on Equipment Blanks since toluene was also detected in the equipment blank.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-052621 associated with SDG L1358827) was collected. Details are as follows:

- Equipment blank (EQ-052621) is associated with all samples collected via bladder pump on May 26, 2021. Specifically, the equipment blank is associated with samples MW-161-052521, MW-330-052521, MW-953-052621, and FMW-129-052621. Low levels of sulfate, TOC, iron, manganese, and VOCs (via USEPA Method 8260D) are detected in the equipment blank. No action is taken for sulfate, TOC, manganese and iron detections since these are either not detected in the associated samples or sample detections are far greater than detection in the equipment blank. Low levels of VOCs such as acetone, chloroform, 2-butanone (MEK), and toluene are detected in the equipment blank. No action is needed for chloroform or 2-butanone (MEK) as these two compounds were not detected in the associated samples. Actions for acetone and toluene are as follows:

- o Acetone is detected at 8.86 µg/L and above the RDL (1.00 µg/L) in the equipment blank. **Associated acetone result for sample MW-330-052521 is detected above the RDL and below the established action level. The acetone result for sample MW-330-052521 is qualified as not detected (U) due to equipment blank contamination.**
- o Toluene is detected at 0.269 µg/L and above the RDL (0.200 µg/L) in the equipment blank. **Low levels of toluene are also detected below the blank detection in samples MW-161-052521, MW-330-052521, MW-953-052621, and FMW-129-052621. Toluene results for these samples are qualified as not detected (U) due to blank contamination.** For additional discussion refer to the section on Trip Blanks since toluene was also detected in the trip blank.

Field Duplicate Analyses

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

- SDG L1358827: Sample FMW-129-052621 and field duplicate sample MW-953-052621. Target analyte results are comparable and within a relative percent difference (RPD) of 30% ($\pm 1 \times$ RDL for groundwater results $<5 \times$ 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 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 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 $\pm 1 \times$ RDL for groundwater results $<5 \times$ 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 on associated samples.

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 L1358827 - Analytical batch WG1680848: LCS/LCSD RPD for trans-1,4-dichloro-2-butene is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDGs L1361471 and L1363250 - Analytical batch WG1685408: LCS/LCSD RPD for tetrahydrofuran is greater than laboratory acceptance criteria and laboratory qualified (J3). No action is taken since both LCS/LCSD % recoveries are within laboratory acceptance criteria.
- SDGs L1361471 and L1363250 - Analytical batch WG1685408: LCS recovery for 1,2,3-trimethylbenzene is above criteria and laboratory qualified (J4). No action is needed since 1,2,3-trimethylbenzene is not detected in the associated samples.
- SDG L1364003 - Analytical batch WG1688543: LCS recoveries for naphthalene and 1,2,3-trimethylbenzene are above criteria and laboratory qualified (J4). No action is needed since naphthalene and 1,2,3-trimethylbenzene are not detected in the associated sample.

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) spike analyses were not performed. Refer to LCS/LCSD and field duplicate results for precision data.

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

MS/MSD analyses were performed 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 RPD were acceptable and within laboratory control limit criteria for water samples with the following exceptions:

- SDG L1358827: Methane, ethane, and ethene matrix spikes were performed on two non-client samples within the analytical batch and are laboratory qualified (V and J5) to indicate, respectively, elevated concentration and matrix interference. No action is taken since the spikes 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:

- SDG L1358827: Matrix spikes were performed on client sample (MW116-052521) and on a non-client sample. Several manganese spike results are laboratory qualified (V) to indicate that the spiked sample manganese amounts are greater than four times the spike concentration. Per guidance no action is necessary.

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/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 discussion:

- SDG L1358827: Sulfate matrix spikes were performed on non-client samples with a laboratory qualified results (E) due to elevated concentrations in the non-client samples. 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:

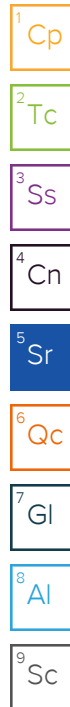
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

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.

Volatile 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		0.548	1.00	1	06/01/2021 16:30	WG1680848	
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 16:30	WG1680848	
Benzene	U		0.0160	0.0400	1	06/01/2021 16:30	WG1680848	
Bromobenzene	U		0.0420	0.500	1	06/01/2021 16:30	WG1680848	
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 16:30	WG1680848	
Bromoform	U		0.239	1.00	1	06/01/2021 16:30	WG1680848	
Bromomethane	U		0.148	0.500	1	06/01/2021 16:30	WG1680848	
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 16:30	WG1680848	
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 16:30	WG1680848	
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 16:30	WG1680848	
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 16:30	WG1680848	
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 16:30	WG1680848	
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 16:30	WG1680848	
Chloroethane	U		0.0432	0.200	1	06/01/2021 16:30	WG1680848	
Chloroform	U		0.0166	0.100	1	06/01/2021 16:30	WG1680848	
Chloromethane	U		0.0556	0.500	1	06/01/2021 16:30	WG1680848	
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 16:30	WG1680848	
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 16:30	WG1680848	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 16:30	WG1680848	
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 16:30	WG1680848	
Dibromomethane	U		0.0400	0.200	1	06/01/2021 16:30	WG1680848	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 16:30	WG1680848	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 16:30	WG1680848	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 16:30	WG1680848	
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 16:30	WG1680848	
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 16:30	WG1680848	
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 16:30	WG1680848	
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 16:30	WG1680848	
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2021 16:30	WG1680848	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 16:30	WG1680848	
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 16:30	WG1680848	
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 16:30	WG1680848	
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 16:30	WG1680848	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 16:30	WG1680848	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 16:30	WG1680848	
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 16:30	WG1680848	
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 16:30	WG1680848	
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 16:30	WG1680848	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 16:30	WG1680848	
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 16:30	WG1680848	
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 16:30	WG1680848	
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 16:30	WG1680848	
Methylene Chloride	U		0.265	1.00	1	06/01/2021 16:30	WG1680848	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 16:30	WG1680848	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 16:30	WG1680848	
Naphthalene	U		0.124	0.500	1	06/01/2021 16:30	WG1680848	
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 16:30	WG1680848	
Styrene	U		0.109	0.500	1	06/01/2021 16:30	WG1680848	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 16:30	WG1680848	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 16:30	WG1680848	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 16:30	WG1680848	
Tetrachloroethene	U		0.0280	0.100	1	06/01/2021 16:30	WG1680848	
Toluene	U		0.0500	0.200	1	06/01/2021 16:30	WG1680848	
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	06/01/2021 16:30	WG1680848
1,2,4-Trichlorobenzene	U	UJ	C4	0.193	0.500	1	06/01/2021 16:30	WG1680848
1,1,1-Trichloroethane	U			0.0110	0.100	1	06/01/2021 16:30	WG1680848

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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	06/01/2021 16:30	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/01/2021 16:30	WG1680848
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 16:30	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 16:30	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 16:30	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 16:30	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 16:30	WG1680848
Vinyl chloride	U		0.0273	0.100	1	06/01/2021 16:30	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 16:30	WG1680848
Ethyl Ether	0.0670	U	0.0170	0.100	1	06/01/2021 16:30	WG1680848
Tetrahydrofuran	0.221	U	0.0900	0.500	1	06/01/2021 16:30	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 16:30	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 16:30	WG1680848
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/01/2021 16:30	WG1680848
(S) Toluene-d8	98.4			75.0-131		06/01/2021 16:30	WG1680848
(S) 4-Bromofluorobenzene	101			67.0-138		06/01/2021 16:30	WG1680848
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2021 16:30	WG1680848

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 date / time	Batch
Sulfate	7260		594	5000	1	06/09/2021 03:29	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1900	~~B~~	102	1000	1	06/05/2021 19:42	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	594		28.1	100	1	06/11/2021 15:40	WG1686254
Manganese	741		3.52	25.0	5	06/11/2021 16:02	WG1686254

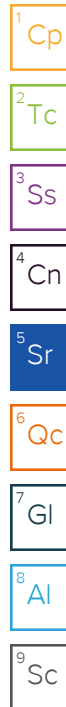
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	260		0.287	0.678	1	06/02/2021 09:36	WG1680640
Ethane	U		0.296	1.29	1	06/02/2021 09:36	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:36	WG1680640

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	06/01/2021 16:49	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 16:49	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 16:49	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 16:49	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 16:49	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 16:49	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 16:49	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 16:49	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 16:49	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 16:49	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 16:49	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 16:49	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 16:49	WG1680848
Chloroethane	0.676		0.0432	0.200	1	06/01/2021 16:49	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 16:49	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 16:49	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 16:49	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 16:49	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 16:49	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 16:49	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 16:49	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 16:49	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 16:49	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 16:49	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 16:49	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 16:49	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 16:49	WG1680848
1,1-Dichloroethene	2.94		0.0200	0.100	1	06/01/2021 16:49	WG1680848
cis-1,2-Dichloroethene	69.8		0.0276	0.100	1	06/01/2021 16:49	WG1680848
trans-1,2-Dichloroethene	1.11		0.0572	0.200	1	06/01/2021 16:49	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 16:49	WG1680848

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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	06/01/2021 16:49	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 16:49	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 16:49	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 16:49	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 16:49	WG1680848
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 16:49	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 16:49	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 16:49	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 16:49	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 16:49	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 16:49	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 16:49	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 16:49	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 16:49	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 16:49	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 16:49	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 16:49	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 16:49	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 16:49	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 16:49	WG1680848
Tetrachloroethene	1.08		0.0280	0.100	1	06/01/2021 16:49	WG1680848
Toluene	0.165	U	0.0500	0.200	1	06/01/2021 16:49	WG1680848
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	06/01/2021 16:49	WG1680848
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	06/01/2021 16:49	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 16:49	WG1680848
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2021 16:49	WG1680848
Trichloroethene	28.3		0.0160	0.0400	1	06/01/2021 16:49	WG1680848
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	06/01/2021 16:49	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 16:49	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 16:49	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 16:49	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 16:49	WG1680848
Vinyl chloride	5.35		0.0273	0.100	1	06/01/2021 16:49	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 16:49	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 16:49	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 16:49	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 16:49	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 16:49	WG1680848
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2021 16:49	WG1680848
(S) Toluene-d8	98.8			75.0-131		06/01/2021 16:49	WG1680848
(S) 4-Bromofluorobenzene	100			67.0-138		06/01/2021 16:49	WG1680848
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2021 16:49	WG1680848

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

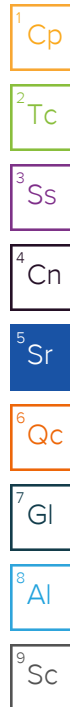
9 Sc

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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	3.78	U	0.548	1.00	1	06/01/2021 17:08	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 17:08	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 17:08	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 17:08	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 17:08	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 17:08	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 17:08	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 17:08	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 17:08	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 17:08	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 17:08	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 17:08	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 17:08	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 17:08	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 17:08	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 17:08	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 17:08	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 17:08	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 17:08	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 17:08	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 17:08	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 17:08	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 17:08	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 17:08	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 17:08	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 17:08	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 17:08	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 17:08	WG1680848
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2021 17:08	WG1680848
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 17:08	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 17:08	WG1680848
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 17:08	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 17:08	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 17:08	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 17:08	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 17:08	WG1680848
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 17:08	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 17:08	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 17:08	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 17:08	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 17:08	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 17:08	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 17:08	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 17:08	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 17:08	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 17:08	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 17:08	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 17:08	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 17:08	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 17:08	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 17:08	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/01/2021 17:08	WG1680848
Toluene	0.202	U	0.0500	0.200	1	06/01/2021 17:08	WG1680848
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/01/2021 17:08	WG1680848
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	06/01/2021 17:08	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 17:08	WG1680848

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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	06/01/2021 17:08	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/01/2021 17:08	WG1680848
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 17:08	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 17:08	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 17:08	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 17:08	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 17:08	WG1680848
Vinyl chloride	U		0.0273	0.100	1	06/01/2021 17:08	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 17:08	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 17:08	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 17:08	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 17:08	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 17:08	WG1680848
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/01/2021 17:08	WG1680848
(S) Toluene-d8	96.2			75.0-131		06/01/2021 17:08	WG1680848
(S) 4-Bromofluorobenzene	109			67.0-138		06/01/2021 17:08	WG1680848
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2021 17:08	WG1680848

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 date / time	Batch
Sulfate	8910		594	5000	1	06/09/2021 03:42	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5140		102	1000	1	06/05/2021 19:55	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4160		28.1	100	1	06/16/2021 14:44	WG1686624
Manganese	775		0.704	5.00	1	06/16/2021 14:44	WG1686624

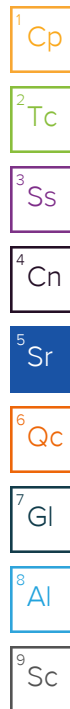
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	6550		0.287	0.678	1	06/02/2021 09:44	WG1680640
Ethane	U		0.296	1.29	1	06/02/2021 09:44	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:44	WG1680640

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.34		0.548	1.00	1	06/01/2021 17:27	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 17:27	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 17:27	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 17:27	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 17:27	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 17:27	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 17:27	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 17:27	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 17:27	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 17:27	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 17:27	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 17:27	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 17:27	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 17:27	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 17:27	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 17:27	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 17:27	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 17:27	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 17:27	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 17:27	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 17:27	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 17:27	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 17:27	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 17:27	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 17:27	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 17:27	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 17:27	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 17:27	WG1680848
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2021 17:27	WG1680848
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 17:27	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 17:27	WG1680848

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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	06/01/2021 17:27	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 17:27	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 17:27	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 17:27	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 17:27	WG1680848
Di-isopropyl ether	0.0170	<u>U</u>	0.0140	0.0400	1	06/01/2021 17:27	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 17:27	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 17:27	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 17:27	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 17:27	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 17:27	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 17:27	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 17:27	WG1680848
Methyl tert-butyl ether	0.0300	<u>U</u>	0.0118	0.0400	1	06/01/2021 17:27	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 17:27	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 17:27	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 17:27	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 17:27	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 17:27	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 17:27	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/01/2021 17:27	WG1680848
Toluene	0.0560	<u>U</u> <u>U</u>	0.0500	0.200	1	06/01/2021 17:27	WG1680848
1,2,3-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.0250	0.500	1	06/01/2021 17:27	WG1680848
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C4</u>	0.193	0.500	1	06/01/2021 17:27	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 17:27	WG1680848
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2021 17:27	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/01/2021 17:27	WG1680848
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	06/01/2021 17:27	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 17:27	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 17:27	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 17:27	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 17:27	WG1680848
Vinyl chloride	U		0.0273	0.100	1	06/01/2021 17:27	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 17:27	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 17:27	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 17:27	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 17:27	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 17:27	WG1680848
Trans-1,4-Dichloro-2-butene	U	<u>UJ</u>	0.0560	0.200	1	06/01/2021 17:27	WG1680848
(S) Toluene-d8	101			75.0-131		06/01/2021 17:27	WG1680848
(S) 4-Bromofluorobenzene	102			67.0-138		06/01/2021 17:27	WG1680848
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2021 17:27	WG1680848

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 date / time	Batch
Sulfate	99000		2970	25000	5	06/09/2021 07:47	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3270		102	1000	1	06/05/2021 20:06	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	11900		28.1	100	1	06/16/2021 14:58	WG1686624
Manganese	442		0.704	5.00	1	06/16/2021 14:58	WG1686624

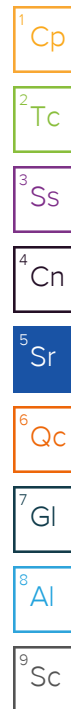
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1870		0.287	0.678	1	06/02/2021 09:48	WG1680640
Ethane	34.9		0.296	1.29	1	06/02/2021 09:48	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:48	WG1680640

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

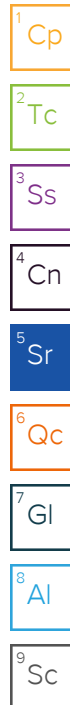
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.19		0.548	1.00	1	06/01/2021 17:46	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 17:46	WG1680848
Benzene	0.331		0.0160	0.0400	1	06/01/2021 17:46	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 17:46	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 17:46	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 17:46	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 17:46	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 17:46	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 17:46	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 17:46	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 17:46	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 17:46	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 17:46	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 17:46	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 17:46	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 17:46	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 17:46	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 17:46	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 17:46	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 17:46	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 17:46	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 17:46	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 17:46	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 17:46	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 17:46	WG1680848
1,1-Dichloroethane	0.999		0.0230	0.100	1	06/01/2021 17:46	WG1680848
1,2-Dichloroethane	0.237		0.0190	0.100	1	06/01/2021 17:46	WG1680848
1,1-Dichloroethene	4.28		0.0200	0.100	1	06/01/2021 17:46	WG1680848
cis-1,2-Dichloroethene	1380		2.76	10.0	100	06/03/2021 13:57	WG1682147
trans-1,2-Dichloroethene	8.60		0.0572	0.200	1	06/01/2021 17:46	WG1680848
1,2-Dichloropropane	0.376		0.0508	0.200	1	06/01/2021 17:46	WG1680848

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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	06/01/2021 17:46	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 17:46	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 17:46	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 17:46	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 17:46	WG1680848
Di-isopropyl ether	0.0810		0.0140	0.0400	1	06/01/2021 17:46	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 17:46	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 17:46	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 17:46	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 17:46	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 17:46	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 17:46	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 17:46	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 17:46	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 17:46	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 17:46	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 17:46	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 17:46	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 17:46	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 17:46	WG1680848
Tetrachloroethene	249		2.80	10.0	100	06/03/2021 13:57	WG1682147
Toluene	0.127	U	0.0500	0.200	1	06/01/2021 17:46	WG1680848
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	06/01/2021 17:46	WG1680848
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	06/01/2021 17:46	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 17:46	WG1680848
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2021 17:46	WG1680848
Trichloroethene	944		1.60	4.00	100	06/03/2021 13:57	WG1682147
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	06/01/2021 17:46	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 17:46	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 17:46	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 17:46	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 17:46	WG1680848
Vinyl chloride	6.91		0.0273	0.100	1	06/01/2021 17:46	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 17:46	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 17:46	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 17:46	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 17:46	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 17:46	WG1680848
Trans-1,4-Dichloro-2-butene	U	JS	0.0560	0.200	1	06/01/2021 17:46	WG1680848
(S) Toluene-d8	97.2			75.0-131		06/01/2021 17:46	WG1680848
(S) Toluene-d8	99.9			75.0-131		06/03/2021 13:57	WG1682147
(S) 4-Bromofluorobenzene	105			67.0-138		06/01/2021 17:46	WG1680848
(S) 4-Bromofluorobenzene	94.6			67.0-138		06/03/2021 13:57	WG1682147
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2021 17:46	WG1680848
(S) 1,2-Dichloroethane-d4	108			70.0-130		06/03/2021 13:57	WG1682147



JC 7/6/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	82900		594	5000	1	06/09/2021 04:08	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6340		102	1000	1	06/05/2021 20:19	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7210		28.1	100	1	06/16/2021 15:01	WG1686624
Manganese	1080		0.704	5.00	1	06/16/2021 15:01	WG1686624

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1580		0.287	0.678	1	06/02/2021 09:51	WG1680640
Ethane	U		0.296	1.29	1	06/02/2021 09:51	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:51	WG1680640

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.34		0.548	1.00	1	06/01/2021 18:04	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 18:04	WG1680848
Benzene	U		0.0160	0.0400	1	06/01/2021 18:04	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 18:04	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 18:04	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 18:04	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 18:04	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 18:04	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 18:04	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 18:04	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 18:04	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 18:04	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 18:04	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 18:04	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 18:04	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 18:04	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 18:04	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 18:04	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 18:04	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 18:04	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 18:04	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 18:04	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 18:04	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 18:04	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 18:04	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 18:04	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 18:04	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 18:04	WG1680848
cis-1,2-Dichloroethene	0.140		0.0276	0.100	1	06/03/2021 14:16	WG1682147
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 18:04	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 18:04	WG1680848

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2021

MW115-052521

SAMPLE RESULTS - 06

Collected date/time: 05/25/21 12:35

L1358827

Volatile Organic 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	06/01/2021 18:04	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 18:04	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 18:04	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 18:04	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 18:04	WG1680848
Di-isopropyl ether	0.0420		0.0140	0.0400	1	06/01/2021 18:04	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 18:04	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 18:04	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 18:04	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 18:04	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 18:04	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 18:04	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 18:04	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 18:04	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 18:04	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 18:04	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 18:04	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 18:04	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 18:04	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 18:04	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/03/2021 14:16	WG1682147
Toluene	0.0540	U J	0.0500	0.200	1	06/01/2021 18:04	WG1680848
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/01/2021 18:04	WG1680848
1,2,4-Trichlorobenzene	U	UJ C4	0.193	0.500	1	06/01/2021 18:04	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 18:04	WG1680848
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2021 18:04	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/03/2021 14:16	WG1682147
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 18:04	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 18:04	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 18:04	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 18:04	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 18:04	WG1680848
Vinyl chloride	0.989		0.0273	0.100	1	06/01/2021 18:04	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 18:04	WG1680848
Ethyl Ether	0.298		0.0170	0.100	1	06/01/2021 18:04	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 18:04	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 18:04	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 18:04	WG1680848
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/01/2021 18:04	WG1680848
(S) Toluene-d8	98.2			75.0-131		06/01/2021 18:04	WG1680848
(S) Toluene-d8	101			75.0-131		06/03/2021 14:16	WG1682147
(S) 4-Bromofluorobenzene	102			67.0-138		06/01/2021 18:04	WG1680848
(S) 4-Bromofluorobenzene	95.8			67.0-138		06/03/2021 14:16	WG1682147
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/01/2021 18:04	WG1680848
(S) 1,2-Dichloroethane-d4	106			70.0-130		06/03/2021 14:16	WG1682147

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2021

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

1413.001.05.601

SDG:

L1358827

DATE/TIME:

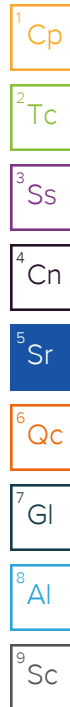
06/17/21 11:04

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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	2.75		0.548	1.00	1	06/01/2021 18:23	WG1680848	
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 18:23	WG1680848	
Benzene	U		0.0160	0.0400	1	06/01/2021 18:23	WG1680848	
Bromobenzene	U		0.0420	0.500	1	06/01/2021 18:23	WG1680848	
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 18:23	WG1680848	
Bromoform	U		0.239	1.00	1	06/01/2021 18:23	WG1680848	
Bromomethane	U		0.148	0.500	1	06/01/2021 18:23	WG1680848	
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 18:23	WG1680848	
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 18:23	WG1680848	
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 18:23	WG1680848	
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 18:23	WG1680848	
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 18:23	WG1680848	
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 18:23	WG1680848	
Chloroethane	U		0.0432	0.200	1	06/01/2021 18:23	WG1680848	
Chloroform	U		0.0166	0.100	1	06/01/2021 18:23	WG1680848	
Chloromethane	U		0.0556	0.500	1	06/01/2021 18:23	WG1680848	
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 18:23	WG1680848	
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 18:23	WG1680848	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 18:23	WG1680848	
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 18:23	WG1680848	
Dibromomethane	U		0.0400	0.200	1	06/01/2021 18:23	WG1680848	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 18:23	WG1680848	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 18:23	WG1680848	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 18:23	WG1680848	
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 18:23	WG1680848	
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 18:23	WG1680848	
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 18:23	WG1680848	
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 18:23	WG1680848	
cis-1,2-Dichloroethene	0.120		0.0276	0.100	1	06/03/2021 14:35	WG1682147	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 18:23	WG1680848	
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 18:23	WG1680848	
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 18:23	WG1680848	
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 18:23	WG1680848	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 18:23	WG1680848	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 18:23	WG1680848	
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 18:23	WG1680848	
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2021 18:23	WG1680848	
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 18:23	WG1680848	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 18:23	WG1680848	
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 18:23	WG1680848	
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 18:23	WG1680848	
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 18:23	WG1680848	
Methylene Chloride	U		0.265	1.00	1	06/01/2021 18:23	WG1680848	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 18:23	WG1680848	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 18:23	WG1680848	
Naphthalene	U		0.124	0.500	1	06/01/2021 18:23	WG1680848	
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 18:23	WG1680848	
Styrene	U		0.109	0.500	1	06/01/2021 18:23	WG1680848	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 18:23	WG1680848	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 18:23	WG1680848	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 18:23	WG1680848	
Tetrachloroethene	U		0.0280	0.100	1	06/03/2021 14:35	WG1682147	
Toluene	U		0.0500	0.200	1	06/01/2021 18:23	WG1680848	
1,2,3-Trichlorobenzene	U	UJ	C4	0.0250	0.500	1	06/01/2021 18:23	WG1680848
1,2,4-Trichlorobenzene	U	UJ	C4	0.193	0.500	1	06/01/2021 18:23	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 18:23	WG1680848	



JC 7/6/2021

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	06/01/2021 18:23	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/03/2021 14:35	WG1682147
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 18:23	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 18:23	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 18:23	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 18:23	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 18:23	WG1680848
Vinyl chloride	U		0.0273	0.100	1	06/01/2021 18:23	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 18:23	WG1680848
Ethyl Ether	U		0.0170	0.100	1	06/01/2021 18:23	WG1680848
Tetrahydrofuran	U		0.0900	0.500	1	06/01/2021 18:23	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 18:23	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 18:23	WG1680848
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/01/2021 18:23	WG1680848
(S) Toluene-d8	98.6			75.0-131		06/01/2021 18:23	WG1680848
(S) Toluene-d8	102			75.0-131		06/03/2021 14:35	WG1682147
(S) 4-Bromofluorobenzene	104			67.0-138		06/01/2021 18:23	WG1680848
(S) 4-Bromofluorobenzene	95.3			67.0-138		06/03/2021 14:35	WG1682147
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/01/2021 18:23	WG1680848
(S) 1,2-Dichloroethane-d4	109			70.0-130		06/03/2021 14:35	WG1682147

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

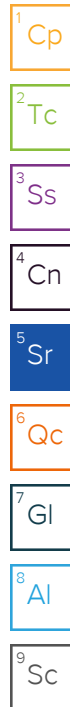
8 Al

9 Sc

JC 7/6/2021

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	3.69		0.548	1.00	1	06/01/2021 18:42	WG1680848
Acrylonitrile	U		0.0760	0.500	1	06/01/2021 18:42	WG1680848
Benzene	17.6		0.0160	0.0400	1	06/01/2021 18:42	WG1680848
Bromobenzene	U		0.0420	0.500	1	06/01/2021 18:42	WG1680848
Bromodichloromethane	U		0.0315	0.100	1	06/01/2021 18:42	WG1680848
Bromoform	U		0.239	1.00	1	06/01/2021 18:42	WG1680848
Bromomethane	U		0.148	0.500	1	06/01/2021 18:42	WG1680848
n-Butylbenzene	U		0.153	0.500	1	06/01/2021 18:42	WG1680848
sec-Butylbenzene	U		0.101	0.500	1	06/01/2021 18:42	WG1680848
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2021 18:42	WG1680848
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2021 18:42	WG1680848
Chlorobenzene	U		0.0229	0.100	1	06/01/2021 18:42	WG1680848
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2021 18:42	WG1680848
Chloroethane	U		0.0432	0.200	1	06/01/2021 18:42	WG1680848
Chloroform	U		0.0166	0.100	1	06/01/2021 18:42	WG1680848
Chloromethane	U		0.0556	0.500	1	06/01/2021 18:42	WG1680848
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2021 18:42	WG1680848
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2021 18:42	WG1680848
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/01/2021 18:42	WG1680848
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2021 18:42	WG1680848
Dibromomethane	U		0.0400	0.200	1	06/01/2021 18:42	WG1680848
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2021 18:42	WG1680848
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2021 18:42	WG1680848
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2021 18:42	WG1680848
Dichlorodifluoromethane	U		0.0327	0.100	1	06/01/2021 18:42	WG1680848
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2021 18:42	WG1680848
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2021 18:42	WG1680848
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2021 18:42	WG1680848
cis-1,2-Dichloroethene	2.43		0.0276	0.100	1	06/03/2021 14:53	WG1682147
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2021 18:42	WG1680848
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2021 18:42	WG1680848
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2021 18:42	WG1680848
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2021 18:42	WG1680848
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2021 18:42	WG1680848
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2021 18:42	WG1680848
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2021 18:42	WG1680848
Di-isopropyl ether	0.148		0.0140	0.0400	1	06/01/2021 18:42	WG1680848
Ethylbenzene	U		0.0212	0.100	1	06/01/2021 18:42	WG1680848
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/01/2021 18:42	WG1680848
Isopropylbenzene	U		0.0345	0.100	1	06/01/2021 18:42	WG1680848
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2021 18:42	WG1680848
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2021 18:42	WG1680848
Methylene Chloride	U		0.265	1.00	1	06/01/2021 18:42	WG1680848
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2021 18:42	WG1680848
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2021 18:42	WG1680848
Naphthalene	U		0.124	0.500	1	06/01/2021 18:42	WG1680848
n-Propylbenzene	U		0.0472	0.200	1	06/01/2021 18:42	WG1680848
Styrene	U		0.109	0.500	1	06/01/2021 18:42	WG1680848
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2021 18:42	WG1680848
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2021 18:42	WG1680848
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2021 18:42	WG1680848
Tetrachloroethene	U		0.0280	0.100	1	06/03/2021 14:53	WG1682147
Toluene	0.105	U	0.0500	0.200	1	06/01/2021 18:42	WG1680848
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	06/01/2021 18:42	WG1680848
1,2,4-Trichlorobenzene	U	UJ	0.193	0.500	1	06/01/2021 18:42	WG1680848
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2021 18:42	WG1680848



JC 7/6/2021

MW-341-052521

SAMPLE RESULTS - 08

Collected date/time: 05/25/21 14:00

L1358827

Volatile Organic 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	06/01/2021 18:42	WG1680848
Trichloroethene	U		0.0160	0.0400	1	06/03/2021 14:53	WG1682147
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/01/2021 18:42	WG1680848
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2021 18:42	WG1680848
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2021 18:42	WG1680848
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2021 18:42	WG1680848
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2021 18:42	WG1680848
Vinyl chloride	26.7		0.0273	0.100	1	06/01/2021 18:42	WG1680848
Xylenes, Total	U		0.191	0.260	1	06/01/2021 18:42	WG1680848
Ethyl Ether	0.121		0.0170	0.100	1	06/01/2021 18:42	WG1680848
Tetrahydrofuran	2.71	J+ C5	0.0900	0.500	1	06/01/2021 18:42	WG1680848
Iodomethane	U		0.242	0.500	1	06/01/2021 18:42	WG1680848
Allyl chloride	U		0.580	1.00	1	06/01/2021 18:42	WG1680848
Trans-1,4-Dichloro-2-butene	U	~~J3~~	0.0560	0.200	1	06/01/2021 18:42	WG1680848
(S) Toluene-d8	97.9			75.0-131		06/01/2021 18:42	WG1680848
(S) Toluene-d8	98.6			75.0-131		06/03/2021 14:53	WG1682147
(S) 4-Bromofluorobenzene	103			67.0-138		06/01/2021 18:42	WG1680848
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/03/2021 14:53	WG1682147
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/01/2021 18:42	WG1680848
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2021 14:53	WG1682147

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

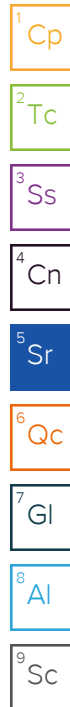
9 Sc

JC 7/6/2021

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	U		0.548	1.00	1	06/04/2021 12:35	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 12:35	WG1682788
Benzene	14.2		0.0160	0.0400	1	06/04/2021 12:35	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 12:35	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 12:35	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 12:35	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 12:35	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 12:35	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 12:35	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 12:35	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 12:35	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 12:35	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 12:35	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 12:35	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 12:35	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 12:35	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 12:35	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 12:35	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 12:35	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 12:35	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 12:35	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 12:35	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 12:35	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 12:35	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 12:35	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 12:35	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 12:35	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 12:35	WG1682788
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2021 12:35	WG1682788
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 12:35	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 12:35	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 12:35	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 12:35	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 12:35	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 12:35	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 12:35	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 12:35	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 12:35	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 12:35	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 12:35	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 12:35	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 12:35	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 12:35	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 12:35	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 12:35	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 12:35	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 12:35	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 12:35	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 12:35	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 12:35	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 12:35	WG1682788
Tetrachloroethene	U		0.0280	0.100	1	06/04/2021 12:35	WG1682788
Toluene	U		0.0500	0.200	1	06/04/2021 12:35	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 12:35	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 12:35	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 12:35	WG1682788

JC 7/6/2021



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	06/04/2021 12:35	WG1682788
Trichloroethene	U		0.0160	0.0400	1	06/04/2021 12:35	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 12:35	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 12:35	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 12:35	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 12:35	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 12:35	WG1682788
Vinyl chloride	37.3		0.0273	0.100	1	06/04/2021 12:35	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 12:35	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 12:35	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 12:35	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 12:35	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 12:35	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 12:35	WG1682788
(S) Toluene-d8	109			75.0-131		06/04/2021 12:35	WG1682788
(S) 4-Bromofluorobenzene	108			67.0-138		06/04/2021 12:35	WG1682788
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/04/2021 12:35	WG1682788

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

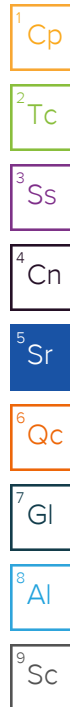
8 Al

9 Sc

JC 7/6/2021

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	1.40		0.548	1.00	1	06/04/2021 12:54	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 12:54	WG1682788
Benzene	U		0.0160	0.0400	1	06/04/2021 12:54	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 12:54	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 12:54	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 12:54	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 12:54	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 12:54	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 12:54	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 12:54	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 12:54	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 12:54	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 12:54	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 12:54	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 12:54	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 12:54	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 12:54	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 12:54	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 12:54	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 12:54	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 12:54	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 12:54	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 12:54	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 12:54	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 12:54	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 12:54	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 12:54	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 12:54	WG1682788
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2021 12:54	WG1682788
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 12:54	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 12:54	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 12:54	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 12:54	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 12:54	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 12:54	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 12:54	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 12:54	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 12:54	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 12:54	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 12:54	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 12:54	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 12:54	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 12:54	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 12:54	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 12:54	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 12:54	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 12:54	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 12:54	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 12:54	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 12:54	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 12:54	WG1682788
Tetrachloroethene	U		0.0280	0.100	1	06/04/2021 12:54	WG1682788
Toluene	U		0.0500	0.200	1	06/04/2021 12:54	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 12:54	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 12:54	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 12:54	WG1682788



JC 7/6/2021

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	06/04/2021 12:54	WG1682788
Trichloroethene	U		0.0160	0.0400	1	06/04/2021 12:54	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 12:54	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 12:54	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 12:54	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 12:54	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 12:54	WG1682788
Vinyl chloride	U		0.0273	0.100	1	06/04/2021 12:54	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 12:54	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 12:54	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 12:54	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 12:54	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 12:54	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 12:54	WG1682788
(S) Toluene-d8	108			75.0-131		06/04/2021 12:54	WG1682788
(S) 4-Bromofluorobenzene	107			67.0-138		06/04/2021 12:54	WG1682788
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		06/04/2021 12:54	WG1682788

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

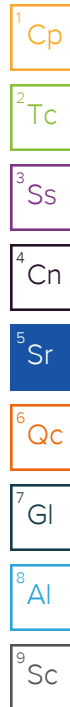
8 Al

9 Sc

JC 7/6/2021

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

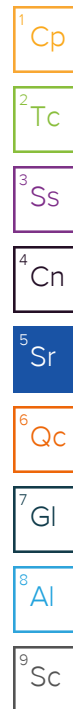
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/04/2021 13:13	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 13:13	WG1682788
Benzene	6.19		0.0160	0.0400	1	06/04/2021 13:13	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 13:13	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 13:13	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 13:13	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 13:13	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 13:13	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 13:13	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 13:13	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 13:13	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 13:13	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 13:13	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 13:13	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 13:13	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 13:13	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 13:13	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 13:13	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 13:13	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 13:13	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 13:13	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 13:13	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 13:13	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 13:13	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 13:13	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 13:13	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 13:13	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 13:13	WG1682788
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2021 13:13	WG1682788
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 13:13	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 13:13	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 13:13	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 13:13	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 13:13	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 13:13	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 13:13	WG1682788
Di-isopropyl ether	0.0400	J C4 J	0.0140	0.0400	1	06/04/2021 13:13	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 13:13	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 13:13	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 13:13	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 13:13	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 13:13	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 13:13	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 13:13	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 13:13	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 13:13	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 13:13	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 13:13	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 13:13	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 13:13	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 13:13	WG1682788
Tetrachloroethene	U		0.0280	0.100	1	06/04/2021 13:13	WG1682788
Toluene	0.0540	U J	0.0500	0.200	1	06/04/2021 13:13	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 13:13	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 13:13	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 13:13	WG1682788



JC 7/6/2021

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

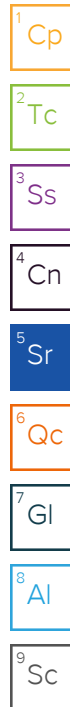
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2021 13:13	WG1682788
Trichloroethene	U		0.0160	0.0400	1	06/04/2021 13:13	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 13:13	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 13:13	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 13:13	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 13:13	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 13:13	WG1682788
Vinyl chloride	8.57		0.0273	0.100	1	06/04/2021 13:13	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 13:13	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 13:13	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 13:13	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 13:13	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 13:13	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 13:13	WG1682788
(S) Toluene-d8	106			75.0-131		06/04/2021 13:13	WG1682788
(S) 4-Bromofluorobenzene	105			67.0-138		06/04/2021 13:13	WG1682788
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/04/2021 13:13	WG1682788



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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	U		0.548	1.00	1	06/04/2021 13:32	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 13:32	WG1682788
Benzene	0.601		0.0160	0.0400	1	06/04/2021 13:32	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 13:32	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 13:32	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 13:32	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 13:32	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 13:32	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 13:32	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 13:32	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 13:32	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 13:32	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 13:32	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 13:32	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 13:32	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 13:32	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 13:32	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 13:32	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 13:32	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 13:32	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 13:32	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 13:32	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 13:32	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 13:32	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 13:32	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 13:32	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 13:32	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 13:32	WG1682788
cis-1,2-Dichloroethene	15.2		0.0276	0.100	1	06/04/2021 13:32	WG1682788
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 13:32	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 13:32	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 13:32	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 13:32	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 13:32	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 13:32	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 13:32	WG1682788
Di-isopropyl ether	0.109	UJ C4	0.0140	0.0400	1	06/04/2021 13:32	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 13:32	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 13:32	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 13:32	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 13:32	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 13:32	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 13:32	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 13:32	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 13:32	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 13:32	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 13:32	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 13:32	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 13:32	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 13:32	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 13:32	WG1682788
Tetrachloroethene	U		0.0280	0.100	1	06/04/2021 13:32	WG1682788
Toluene	U		0.0500	0.200	1	06/04/2021 13:32	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 13:32	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 13:32	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 13:32	WG1682788



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MW-329-052521

SAMPLE RESULTS - 12

Collected date/time: 05/25/21 15:00

L1358827

Volatile Organic 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	06/04/2021 13:32	WG1682788
Trichloroethene	U		0.0160	0.0400	1	06/04/2021 13:32	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 13:32	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 13:32	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 13:32	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 13:32	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 13:32	WG1682788
Vinyl chloride	23.0		0.0273	0.100	1	06/04/2021 13:32	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 13:32	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 13:32	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 13:32	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 13:32	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 13:32	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 13:32	WG1682788
(S) Toluene-d8	92.9			75.0-131		06/04/2021 13:32	WG1682788
(S) 4-Bromofluorobenzene	102			67.0-138		06/04/2021 13:32	WG1682788
(S) 1,2-Dichloroethane-d4	108			70.0-130		06/04/2021 13:32	WG1682788

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 date / time	Batch
Sulfate	126000		2970	25000	5	06/09/2021 08:00	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1680	E	102	1000	1	06/05/2021 20:32	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10200		28.1	100	1	06/16/2021 15:05	WG1686624
Manganese	469		0.704	5.00	1	06/16/2021 15:05	WG1686624

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	351		0.287	0.678	1	06/02/2021 09:55	WG1680640
Ethane	39.4		0.296	1.29	1	06/02/2021 09:55	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:55	WG1680640

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	06/04/2021 13:51	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 13:51	WG1682788
Benzene	0.127		0.0160	0.0400	1	06/04/2021 13:51	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 13:51	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 13:51	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 13:51	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 13:51	WG1682788
n-Butylbenzene	U UJ	C3	0.153	0.500	1	06/04/2021 13:51	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 13:51	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 13:51	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 13:51	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 13:51	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 13:51	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 13:51	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 13:51	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 13:51	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 13:51	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 13:51	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 13:51	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 13:51	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 13:51	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 13:51	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 13:51	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 13:51	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 13:51	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 13:51	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 13:51	WG1682788
1,1-Dichloroethene	2.27		0.0200	0.100	1	06/04/2021 13:51	WG1682788
cis-1,2-Dichloroethene	526		1.38	5.00	50	06/09/2021 21:04	WG1685333
trans-1,2-Dichloroethene	1.56		0.0572	0.200	1	06/04/2021 13:51	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 13:51	WG1682788

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

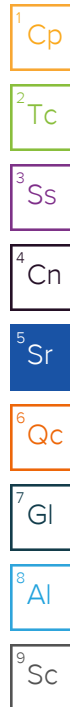
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 13:51	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 13:51	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 13:51	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 13:51	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 13:51	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 13:51	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 13:51	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 13:51	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 13:51	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 13:51	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 13:51	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 13:51	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 13:51	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 13:51	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 13:51	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 13:51	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 13:51	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 13:51	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 13:51	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 13:51	WG1682788
Tetrachloroethene	97.2		0.140	0.500	5	06/07/2021 10:58	WG1683753
Toluene	0.102	U J	0.0500	0.200	1	06/04/2021 13:51	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 13:51	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 13:51	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 13:51	WG1682788
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2021 13:51	WG1682788
Trichloroethene	201		0.0800	0.200	5	06/07/2021 10:58	WG1683753
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 13:51	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 13:51	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 13:51	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 13:51	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 13:51	WG1682788
Vinyl chloride	U		0.0273	0.100	1	06/04/2021 13:51	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 13:51	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 13:51	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 13:51	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 13:51	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 13:51	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 13:51	WG1682788
(S) Toluene-d8	96.7			75.0-131		06/04/2021 13:51	WG1682788
(S) Toluene-d8	103			75.0-131		06/07/2021 10:58	WG1683753
(S) Toluene-d8	95.2			75.0-131		06/09/2021 21:04	WG1685333
(S) 4-Bromofluorobenzene	93.8			67.0-138		06/04/2021 13:51	WG1682788
(S) 4-Bromofluorobenzene	98.3			67.0-138		06/07/2021 10:58	WG1683753
(S) 4-Bromofluorobenzene	106			67.0-138		06/09/2021 21:04	WG1685333
(S) 1,2-Dichloroethane-d4	110			70.0-130		06/04/2021 13:51	WG1682788
(S) 1,2-Dichloroethane-d4	90.5			70.0-130		06/07/2021 10:58	WG1683753
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		06/09/2021 21:04	WG1685333



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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	U		5.48	10.0	10	06/04/2021 16:42	WG1682788
Acrylonitrile	U		0.760	5.00	10	06/04/2021 16:42	WG1682788
Benzene	0.930		0.160	0.400	10	06/04/2021 16:42	WG1682788
Bromobenzene	U		0.420	5.00	10	06/04/2021 16:42	WG1682788
Bromodichloromethane	U		0.315	1.00	10	06/04/2021 16:42	WG1682788
Bromoform	U		2.39	10.0	10	06/04/2021 16:42	WG1682788
Bromomethane	U		1.48	5.00	10	06/04/2021 16:42	WG1682788
n-Butylbenzene	U	UJ C3	1.53	5.00	10	06/04/2021 16:42	WG1682788
sec-Butylbenzene	U		1.01	5.00	10	06/04/2021 16:42	WG1682788
tert-Butylbenzene	U		0.620	2.00	10	06/04/2021 16:42	WG1682788
Carbon tetrachloride	U		0.432	2.00	10	06/04/2021 16:42	WG1682788
Chlorobenzene	U		0.229	1.00	10	06/04/2021 16:42	WG1682788
Chlorodibromomethane	U		0.180	1.00	10	06/04/2021 16:42	WG1682788
Chloroethane	U		0.432	2.00	10	06/04/2021 16:42	WG1682788
Chloroform	U		0.166	1.00	10	06/04/2021 16:42	WG1682788
Chloromethane	U		0.556	5.00	10	06/04/2021 16:42	WG1682788
2-Chlorotoluene	U		0.368	1.00	10	06/04/2021 16:42	WG1682788
4-Chlorotoluene	U		0.452	2.00	10	06/04/2021 16:42	WG1682788
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/04/2021 16:42	WG1682788
1,2-Dibromoethane	U		0.210	1.00	10	06/04/2021 16:42	WG1682788
Dibromomethane	U		0.400	2.00	10	06/04/2021 16:42	WG1682788
1,2-Dichlorobenzene	U		0.580	2.00	10	06/04/2021 16:42	WG1682788
1,3-Dichlorobenzene	U		0.680	2.00	10	06/04/2021 16:42	WG1682788
1,4-Dichlorobenzene	U		0.788	2.00	10	06/04/2021 16:42	WG1682788
Dichlorodifluoromethane	U		0.327	1.00	10	06/04/2021 16:42	WG1682788
1,1-Dichloroethane	U		0.230	1.00	10	06/04/2021 16:42	WG1682788
1,2-Dichloroethane	U		0.190	1.00	10	06/04/2021 16:42	WG1682788
1,1-Dichloroethene	U		0.200	1.00	10	06/04/2021 16:42	WG1682788
cis-1,2-Dichloroethene	1490		0.690	2.50	25	06/07/2021 11:55	WG1683753
trans-1,2-Dichloroethene	4.06		0.572	2.00	10	06/04/2021 16:42	WG1682788
1,2-Dichloropropane	U		0.508	2.00	10	06/04/2021 16:42	WG1682788
1,1-Dichloropropene	U		0.280	1.00	10	06/04/2021 16:42	WG1682788
1,3-Dichloropropane	U		0.700	2.00	10	06/04/2021 16:42	WG1682788
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/04/2021 16:42	WG1682788
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/04/2021 16:42	WG1682788
2,2-Dichloropropane	U		0.317	1.00	10	06/04/2021 16:42	WG1682788
Di-isopropyl ether	U	UJ C4	0.140	0.400	10	06/04/2021 16:42	WG1682788
Ethylbenzene	U		0.212	1.00	10	06/04/2021 16:42	WG1682788
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/04/2021 16:42	WG1682788
Isopropylbenzene	U		0.345	1.00	10	06/04/2021 16:42	WG1682788
p-Isopropyltoluene	U		0.932	2.00	10	06/04/2021 16:42	WG1682788
2-Butanone (MEK)	U		5.00	10.0	10	06/04/2021 16:42	WG1682788
Methylene Chloride	U		2.65	10.0	10	06/04/2021 16:42	WG1682788
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/04/2021 16:42	WG1682788
Methyl tert-butyl ether	U		0.118	0.400	10	06/04/2021 16:42	WG1682788
Naphthalene	U		1.24	5.00	10	06/04/2021 16:42	WG1682788
n-Propylbenzene	U		0.472	2.00	10	06/04/2021 16:42	WG1682788
Styrene	U		1.09	5.00	10	06/04/2021 16:42	WG1682788
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/04/2021 16:42	WG1682788
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/04/2021 16:42	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/04/2021 16:42	WG1682788
Tetrachloroethene	58.2		0.280	1.00	10	06/04/2021 16:42	WG1682788
Toluene	U		0.500	2.00	10	06/04/2021 16:42	WG1682788
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/04/2021 16:42	WG1682788
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/04/2021 16:42	WG1682788
1,1,1-Trichloroethane	U		0.110	1.00	10	06/04/2021 16:42	WG1682788

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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	06/04/2021 16:42	WG1682788
Trichloroethene	131	J+ C5	0.160	0.400	10	06/04/2021 16:42	WG1682788
Trichlorofluoromethane	U		0.200	1.00	10	06/04/2021 16:42	WG1682788
1,2,3-Trichloropropane	U		2.04	5.00	10	06/04/2021 16:42	WG1682788
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/04/2021 16:42	WG1682788
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/04/2021 16:42	WG1682788
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/04/2021 16:42	WG1682788
Vinyl chloride	U		0.273	1.00	10	06/04/2021 16:42	WG1682788
Xylenes, Total	U		1.91	2.60	10	06/04/2021 16:42	WG1682788
Ethyl Ether	U	UJ C3	0.170	1.00	10	06/04/2021 16:42	WG1682788
Tetrahydrofuran	U		0.900	5.00	10	06/04/2021 16:42	WG1682788
Iodomethane	U		2.42	5.00	10	06/04/2021 16:42	WG1682788
Allyl chloride	U		5.80	10.0	10	06/04/2021 16:42	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	06/04/2021 16:42	WG1682788
(S) Toluene-d8	99.9			75.0-131		06/04/2021 16:42	WG1682788
(S) Toluene-d8	98.8			75.0-131		06/07/2021 11:55	WG1683753
(S) 4-Bromofluorobenzene	109			67.0-138		06/04/2021 16:42	WG1682788
(S) 4-Bromofluorobenzene	101			67.0-138		06/07/2021 11:55	WG1683753
(S) 1,2-Dichloroethane-d4	114			70.0-130		06/04/2021 16:42	WG1682788
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		06/07/2021 11:55	WG1683753

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

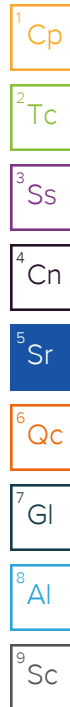
8 Al

9 Sc

JC
7/6/2021

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	1.11		0.548	1.00	1	06/04/2021 17:01	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 17:01	WG1682788
Benzene	0.128		0.0160	0.0400	1	06/04/2021 17:01	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 17:01	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 17:01	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 17:01	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 17:01	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 17:01	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 17:01	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 17:01	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 17:01	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 17:01	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 17:01	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 17:01	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 17:01	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 17:01	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 17:01	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 17:01	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 17:01	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 17:01	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 17:01	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 17:01	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 17:01	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 17:01	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 17:01	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 17:01	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 17:01	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 17:01	WG1682788
cis-1,2-Dichloroethene	150		0.138	0.500	5	06/07/2021 11:17	WG1683753
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 17:01	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 17:01	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 17:01	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 17:01	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 17:01	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 17:01	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 17:01	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 17:01	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 17:01	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 17:01	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 17:01	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 17:01	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 17:01	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 17:01	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 17:01	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 17:01	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 17:01	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 17:01	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 17:01	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 17:01	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 17:01	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 17:01	WG1682788
Tetrachloroethene	0.120		0.0280	0.100	1	06/04/2021 17:01	WG1682788
Toluene	U		0.0500	0.200	1	06/04/2021 17:01	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 17:01	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 17:01	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 17:01	WG1682788



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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	06/04/2021 17:01	WG1682788
Trichloroethene	3.12	J+ C5	0.0160	0.0400	1	06/04/2021 17:01	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 17:01	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 17:01	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 17:01	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 17:01	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 17:01	WG1682788
Vinyl chloride	10.7		0.0273	0.100	1	06/04/2021 17:01	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 17:01	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 17:01	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 17:01	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 17:01	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 17:01	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 17:01	WG1682788
(S) Toluene-d8	87.4			75.0-131		06/04/2021 17:01	WG1682788
(S) Toluene-d8	99.4			75.0-131		06/07/2021 11:17	WG1683753
(S) 4-Bromofluorobenzene	103			67.0-138		06/04/2021 17:01	WG1682788
(S) 4-Bromofluorobenzene	103			67.0-138		06/07/2021 11:17	WG1683753
(S) 1,2-Dichloroethane-d4	117			70.0-130		06/04/2021 17:01	WG1682788
(S) 1,2-Dichloroethane-d4	98.9			70.0-130		06/07/2021 11:17	WG1683753

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

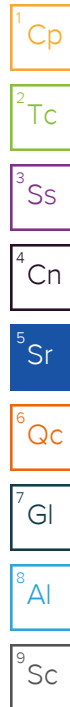
9 Sc

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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		0.548	1.00	1	06/04/2021 14:10	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 14:10	WG1682788
Benzene	U		0.0160	0.0400	1	06/04/2021 14:10	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 14:10	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 14:10	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 14:10	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 14:10	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 14:10	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 14:10	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 14:10	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 14:10	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 14:10	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 14:10	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 14:10	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 14:10	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 14:10	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 14:10	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 14:10	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 14:10	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 14:10	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 14:10	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 14:10	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 14:10	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 14:10	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 14:10	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 14:10	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 14:10	WG1682788
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2021 14:10	WG1682788
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2021 14:10	WG1682788
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2021 14:10	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 14:10	WG1682788
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2021 14:10	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 14:10	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 14:10	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 14:10	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 14:10	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 14:10	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 14:10	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 14:10	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 14:10	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 14:10	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 14:10	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 14:10	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 14:10	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 14:10	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 14:10	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 14:10	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 14:10	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 14:10	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 14:10	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 14:10	WG1682788
Tetrachloroethene	U		0.0280	0.100	1	06/04/2021 14:10	WG1682788
Toluene	U		0.0500	0.200	1	06/04/2021 14:10	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 14:10	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 14:10	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 14:10	WG1682788

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MW123-052621

SAMPLE RESULTS - 16

Collected date/time: 05/26/21 12:45

L1358827

Volatile Organic 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	06/04/2021 14:10	WG1682788
Trichloroethene	U		0.0160	0.0400	1	06/04/2021 14:10	WG1682788
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 14:10	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 14:10	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 14:10	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 14:10	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 14:10	WG1682788
Vinyl chloride	U		0.0273	0.100	1	06/04/2021 14:10	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 14:10	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 14:10	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 14:10	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 14:10	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 14:10	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 14:10	WG1682788
(S) Toluene-d8	104			75.0-131		06/04/2021 14:10	WG1682788
(S) 4-Bromofluorobenzene	118			67.0-138		06/04/2021 14:10	WG1682788
(S) 1,2-Dichloroethane-d4	109			70.0-130		06/04/2021 14:10	WG1682788

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 date / time	Batch
Sulfate	114000		2970	25000	5	06/09/2021 11:57	WG1682605

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1690	<u>B</u>	102	1000	1	06/05/2021 21:21	WG1683290

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	12400		28.1	100	1	06/16/2021 15:08	WG1686624
Manganese	493		0.704	5.00	1	06/16/2021 15:08	WG1686624

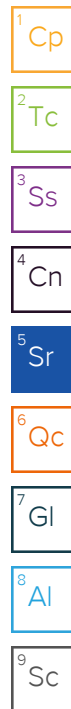
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	316		0.287	0.678	1	06/02/2021 09:59	WG1680640
Ethane	36.1		0.296	1.29	1	06/02/2021 09:59	WG1680640
Ethene	U		0.422	1.27	1	06/02/2021 09:59	WG1680640

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	06/04/2021 14:29	WG1682788
Acrylonitrile	U		0.0760	0.500	1	06/04/2021 14:29	WG1682788
Benzene	0.0910		0.0160	0.0400	1	06/04/2021 14:29	WG1682788
Bromobenzene	U		0.0420	0.500	1	06/04/2021 14:29	WG1682788
Bromodichloromethane	U		0.0315	0.100	1	06/04/2021 14:29	WG1682788
Bromoform	U		0.239	1.00	1	06/04/2021 14:29	WG1682788
Bromomethane	U		0.148	0.500	1	06/04/2021 14:29	WG1682788
n-Butylbenzene	U	UJ C3	0.153	0.500	1	06/04/2021 14:29	WG1682788
sec-Butylbenzene	U		0.101	0.500	1	06/04/2021 14:29	WG1682788
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2021 14:29	WG1682788
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2021 14:29	WG1682788
Chlorobenzene	U		0.0229	0.100	1	06/04/2021 14:29	WG1682788
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2021 14:29	WG1682788
Chloroethane	U		0.0432	0.200	1	06/04/2021 14:29	WG1682788
Chloroform	U		0.0166	0.100	1	06/04/2021 14:29	WG1682788
Chloromethane	U		0.0556	0.500	1	06/04/2021 14:29	WG1682788
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2021 14:29	WG1682788
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2021 14:29	WG1682788
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/04/2021 14:29	WG1682788
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2021 14:29	WG1682788
Dibromomethane	U		0.0400	0.200	1	06/04/2021 14:29	WG1682788
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2021 14:29	WG1682788
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2021 14:29	WG1682788
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2021 14:29	WG1682788
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2021 14:29	WG1682788
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2021 14:29	WG1682788
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2021 14:29	WG1682788
1,1-Dichloroethene	2.11		0.0200	0.100	1	06/04/2021 14:29	WG1682788
cis-1,2-Dichloroethene	517		1.38	5.00	50	06/09/2021 21:23	WG1685333
trans-1,2-Dichloroethene	1.53		0.0572	0.200	1	06/04/2021 14:29	WG1682788
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2021 14:29	WG1682788

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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	06/04/2021 14:29	WG1682788
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2021 14:29	WG1682788
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2021 14:29	WG1682788
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2021 14:29	WG1682788
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2021 14:29	WG1682788
Di-isopropyl ether	U	UJ C4	0.0140	0.0400	1	06/04/2021 14:29	WG1682788
Ethylbenzene	U		0.0212	0.100	1	06/04/2021 14:29	WG1682788
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/04/2021 14:29	WG1682788
Isopropylbenzene	U		0.0345	0.100	1	06/04/2021 14:29	WG1682788
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2021 14:29	WG1682788
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2021 14:29	WG1682788
Methylene Chloride	U		0.265	1.00	1	06/04/2021 14:29	WG1682788
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2021 14:29	WG1682788
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2021 14:29	WG1682788
Naphthalene	U		0.124	0.500	1	06/04/2021 14:29	WG1682788
n-Propylbenzene	U		0.0472	0.200	1	06/04/2021 14:29	WG1682788
Styrene	U		0.109	0.500	1	06/04/2021 14:29	WG1682788
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2021 14:29	WG1682788
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2021 14:29	WG1682788
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2021 14:29	WG1682788
Tetrachloroethene	91.1		0.140	0.500	5	06/07/2021 11:37	WG1683753
Toluene	0.0860 U J		0.0500	0.200	1	06/04/2021 14:29	WG1682788
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/04/2021 14:29	WG1682788
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/04/2021 14:29	WG1682788
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2021 14:29	WG1682788
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2021 14:29	WG1682788
Trichloroethene	197		0.0800	0.200	5	06/07/2021 11:37	WG1683753
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2021 14:29	WG1682788
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2021 14:29	WG1682788
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2021 14:29	WG1682788
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2021 14:29	WG1682788
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2021 14:29	WG1682788
Vinyl chloride	U		0.0273	0.100	1	06/04/2021 14:29	WG1682788
Xylenes, Total	U		0.191	0.260	1	06/04/2021 14:29	WG1682788
Ethyl Ether	U	UJ C3	0.0170	0.100	1	06/04/2021 14:29	WG1682788
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2021 14:29	WG1682788
Iodomethane	U		0.242	0.500	1	06/04/2021 14:29	WG1682788
Allyl chloride	U		0.580	1.00	1	06/04/2021 14:29	WG1682788
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2021 14:29	WG1682788
(S) Toluene-d8	106			75.0-131		06/04/2021 14:29	WG1682788
(S) Toluene-d8	101			75.0-131		06/07/2021 11:37	WG1683753
(S) Toluene-d8	96.8			75.0-131		06/09/2021 21:23	WG1685333
(S) 4-Bromofluorobenzene	113			67.0-138		06/04/2021 14:29	WG1682788
(S) 4-Bromofluorobenzene	102			67.0-138		06/07/2021 11:37	WG1683753
(S) 4-Bromofluorobenzene	103			67.0-138		06/09/2021 21:23	WG1685333
(S) 1,2-Dichloroethane-d4	111			70.0-130		06/04/2021 14:29	WG1682788
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		06/07/2021 11:37	WG1683753
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		06/09/2021 21:23	WG1685333

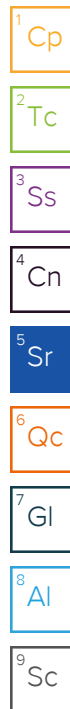


JC 7/6/2021

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	0.645	J	0.548	1.00	1	06/10/2021 01:47	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 01:47	WG1685408
Benzene	0.0240	J	0.0160	0.0400	1	06/10/2021 01:47	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 01:47	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 01:47	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 01:47	WG1685408
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2021 01:47	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 01:47	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 01:47	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 01:47	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 01:47	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 01:47	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 01:47	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 01:47	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 01:47	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 01:47	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 01:47	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 01:47	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 01:47	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 01:47	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 01:47	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 01:47	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 01:47	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 01:47	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 01:47	WG1685408
1,1-Dichloroethane	0.0390	J	0.0230	0.100	1	06/10/2021 01:47	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 01:47	WG1685408
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2021 01:47	WG1685408
cis-1,2-Dichloroethene	2.99		0.0276	0.100	1	06/15/2021 03:10	WG1688344
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2021 01:47	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 01:47	WG1685408
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2021 01:47	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 01:47	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 01:47	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 01:47	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 01:47	WG1685408
Di-isopropyl ether	0.0420	J+ C5	0.0140	0.0400	1	06/10/2021 01:47	WG1685408
Ethylbenzene	U		0.0212	0.100	1	06/10/2021 01:47	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 01:47	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 01:47	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 01:47	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 01:47	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 01:47	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 01:47	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 01:47	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 01:47	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 01:47	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 01:47	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 01:47	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 01:47	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 01:47	WG1685408
Tetrachloroethene	U		0.0280	0.100	1	06/10/2021 01:47	WG1685408
Toluene	U		0.0500	0.200	1	06/10/2021 01:47	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 01:47	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 01:47	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 01:47	WG1685408

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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	06/10/2021 01:47	WG1685408
Trichloroethene	U		0.0160	0.0400	1	06/10/2021 01:47	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 01:47	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 01:47	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 01:47	WG1685408
1,2,3-Trimethylbenzene	U	~~J1~~	0.0460	0.200	1	06/10/2021 01:47	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 01:47	WG1685408
Vinyl chloride	U		0.0273	0.100	1	06/15/2021 03:10	WG1688344
Xylenes, Total	U		0.191	0.260	1	06/10/2021 01:47	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 01:47	WG1685408
Tetrahydrofuran	U	~~J3~~	0.0900	0.500	1	06/10/2021 01:47	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 01:47	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 01:47	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 01:47	WG1685408
(S) Toluene-d8	99.0			75.0-131		06/10/2021 01:47	WG1685408
(S) Toluene-d8	103			75.0-131		06/15/2021 03:10	WG1688344
(S) 4-Bromofluorobenzene	100			67.0-138		06/10/2021 01:47	WG1685408
(S) 4-Bromofluorobenzene	101			67.0-138		06/15/2021 03:10	WG1688344
(S) 1,2-Dichloroethane-d4	95.8			70.0-130		06/10/2021 01:47	WG1685408
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		06/15/2021 03:10	WG1688344

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	06/13/2021 21:18	WG1687780

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10700		102	1000	1	06/07/2021 21:36	WG1683969

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9620		28.1	100	1	06/17/2021 23:29	WG1690054
Manganese	1570		0.704	5.00	1	06/17/2021 23:29	WG1690054

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	12500		2.87	6.78	10	06/08/2021 16:24	WG1685001
Ethane	62.9		0.296	1.29	1	06/08/2021 13:11	WG1684539
Ethene	U		0.422	1.27	1	06/08/2021 13:11	WG1684539

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.74		0.548	1.00	1	06/10/2021 02:06	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 02:06	WG1685408
Benzene	0.0960		0.0160	0.0400	1	06/10/2021 02:06	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 02:06	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 02:06	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 02:06	WG1685408
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2021 02:06	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 02:06	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 02:06	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 02:06	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 02:06	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 02:06	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 02:06	WG1685408
Chloroethane	0.251		0.0432	0.200	1	06/10/2021 02:06	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 02:06	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 02:06	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 02:06	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 02:06	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 02:06	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 02:06	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 02:06	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 02:06	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 02:06	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 02:06	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 02:06	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 02:06	WG1685408
1,2-Dichloroethane	0.0640	J	0.0190	0.100	1	06/10/2021 02:06	WG1685408
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2021 02:06	WG1685408
cis-1,2-Dichloroethene	3.20		0.138	0.500	5	06/15/2021 04:26	WG1688344
trans-1,2-Dichloroethene	3.98		0.0572	0.200	1	06/10/2021 02:06	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 02:06	WG1685408

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	06/10/2021 02:06	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 02:06	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 02:06	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 02:06	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 02:06	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 02:06	WG1685408
Ethylbenzene	U		0.0212	0.100	1	06/10/2021 02:06	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 02:06	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 02:06	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 02:06	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 02:06	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 02:06	WG1685408
4-Methyl-2-pentanone (MIBK)	1.16		0.400	1.00	1	06/10/2021 02:06	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 02:06	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 02:06	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 02:06	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 02:06	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 02:06	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 02:06	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 02:06	WG1685408
Tetrachloroethene	0.0590	U	0.0280	0.100	1	06/10/2021 02:06	WG1685408
Toluene	0.580		0.0500	0.200	1	06/10/2021 02:06	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 02:06	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 02:06	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 02:06	WG1685408
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2021 02:06	WG1685408
Trichloroethene	0.336		0.0160	0.0400	1	06/10/2021 02:06	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 02:06	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 02:06	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 02:06	WG1685408
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	06/10/2021 02:06	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 02:06	WG1685408
Vinyl chloride	1.16		0.137	0.500	5	06/15/2021 04:26	WG1688344
Xylenes, Total	U		0.191	0.260	1	06/10/2021 02:06	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 02:06	WG1685408
Tetrahydrofuran	32.2		0.450	2.50	5	06/15/2021 01:33	WG1689057
Iodomethane	U		0.242	0.500	1	06/10/2021 02:06	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 02:06	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 02:06	WG1685408
(S) Toluene-d8	97.1			75.0-131		06/10/2021 02:06	WG1685408
(S) Toluene-d8	102			75.0-131		06/15/2021 04:26	WG1688344
(S) Toluene-d8	114			75.0-131		06/15/2021 01:33	WG1689057
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2021 02:06	WG1685408
(S) 4-Bromofluorobenzene	100			67.0-138		06/15/2021 04:26	WG1688344
(S) 4-Bromofluorobenzene	106			67.0-138		06/15/2021 01:33	WG1689057
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		06/10/2021 02:06	WG1685408
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		06/15/2021 04:26	WG1688344
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		06/15/2021 01:33	WG1689057

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/6/2021

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	41800		594	5000	1	06/16/2021 20:48	WG1688850

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	921	U ~~BJ~~	102	1000	1	06/10/2021 05:29	WG1685123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	14200		28.1	100	1	06/22/2021 15:44	WG1692734
Manganese	424		0.704	5.00	1	06/22/2021 18:33	WG1692734

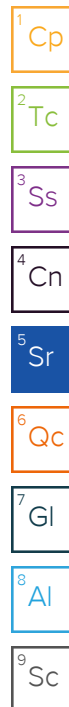
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	42.0		0.287	0.678	1	06/10/2021 10:41	WG1685229
Ethane	U		0.296	1.29	1	06/10/2021 10:41	WG1685229
Ethene	U		0.422	1.27	1	06/10/2021 10:41	WG1685229

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

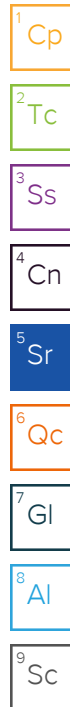
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.53		0.548	1.00	1	06/10/2021 03:22	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 03:22	WG1685408
Benzene	0.100		0.0160	0.0400	1	06/10/2021 03:22	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 03:22	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 03:22	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 03:22	WG1685408
Bromomethane	U	UJ ~~C3~~	0.148	0.500	1	06/10/2021 03:22	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 03:22	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 03:22	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 03:22	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 03:22	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 03:22	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 03:22	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 03:22	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 03:22	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 03:22	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 03:22	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 03:22	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 03:22	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 03:22	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 03:22	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 03:22	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 03:22	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 03:22	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 03:22	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 03:22	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 03:22	WG1685408
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2021 03:22	WG1685408
cis-1,2-Dichloroethene	0.0730	J	0.0276	0.100	1	06/10/2021 03:22	WG1685408
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2021 03:22	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 03:22	WG1685408

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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	06/10/2021 03:22	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 03:22	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 03:22	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 03:22	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 03:22	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 03:22	WG1685408
Ethylbenzene	0.0370	<u>U</u>	0.0212	0.100	1	06/10/2021 03:22	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 03:22	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 03:22	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 03:22	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 03:22	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 03:22	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 03:22	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 03:22	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 03:22	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 03:22	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 03:22	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 03:22	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 03:22	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 03:22	WG1685408
Tetrachloroethene	U		0.0280	0.100	1	06/10/2021 03:22	WG1685408
Toluene	0.589		0.0500	0.200	1	06/10/2021 03:22	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 03:22	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 03:22	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 03:22	WG1685408
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2021 03:22	WG1685408
Trichloroethene	U		0.0160	0.0400	1	06/10/2021 03:22	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 03:22	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 03:22	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 03:22	WG1685408
1,2,3-Trimethylbenzene	U	~~<u>U4</u>~~	0.0460	0.200	1	06/10/2021 03:22	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 03:22	WG1685408
Vinyl chloride	0.0760	<u>U</u>	0.0273	0.100	1	06/10/2021 03:22	WG1685408
Xylenes, Total	U		0.191	0.260	1	06/10/2021 03:22	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 03:22	WG1685408
Tetrahydrofuran	U	~~<u>U3</u>~~	0.0900	0.500	1	06/10/2021 03:22	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 03:22	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 03:22	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 03:22	WG1685408
(S) Toluene-d8	98.9			75.0-131		06/10/2021 03:22	WG1685408
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2021 03:22	WG1685408
(S) 1,2-Dichloroethane-d4	95.8			70.0-130		06/10/2021 03:22	WG1685408



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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	41200		2970	25000	5	06/16/2021 21:39	WG1688850

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1990	<u>B</u>	102	1000	1	06/10/2021 05:43	WG1685123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1210		28.1	100	1	06/22/2021 15:47	WG1692734
Manganese	164		0.704	5.00	1	06/22/2021 18:36	WG1692734

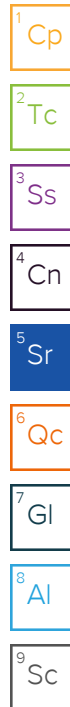
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/09/2021 13:19	WG1685233
Ethane	U		0.296	1.29	1	06/09/2021 13:19	WG1685233
Ethene	U		0.422	1.27	1	06/09/2021 13:19	WG1685233

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.67		0.548	1.00	1	06/10/2021 03:41	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 03:41	WG1685408
Benzene	0.0190	<u>J</u>	0.0160	0.0400	1	06/10/2021 03:41	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 03:41	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 03:41	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 03:41	WG1685408
Bromomethane	U	<u>UJ</u> <u>C3</u>	0.148	0.500	1	06/10/2021 03:41	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 03:41	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 03:41	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 03:41	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 03:41	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 03:41	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 03:41	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 03:41	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 03:41	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 03:41	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 03:41	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 03:41	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 03:41	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 03:41	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 03:41	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 03:41	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 03:41	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 03:41	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 03:41	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 03:41	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 03:41	WG1685408
1,1-Dichloroethene	0.0490	<u>J</u>	0.0200	0.100	1	06/10/2021 03:41	WG1685408
cis-1,2-Dichloroethene	6.94		0.0276	0.100	1	06/10/2021 03:41	WG1685408
trans-1,2-Dichloroethene	0.0980	<u>J</u>	0.0572	0.200	1	06/10/2021 03:41	WG1685408
1,2-Dichloropropane	0.433		0.0508	0.200	1	06/10/2021 03:41	WG1685408

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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	06/10/2021 03:41	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 03:41	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 03:41	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 03:41	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 03:41	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 03:41	WG1685408
Ethylbenzene	U		0.0212	0.100	1	06/10/2021 03:41	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 03:41	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 03:41	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 03:41	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 03:41	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 03:41	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 03:41	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 03:41	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 03:41	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 03:41	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 03:41	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 03:41	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 03:41	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 03:41	WG1685408
Tetrachloroethene	54.4		0.0280	0.100	1	06/10/2021 03:41	WG1685408
Toluene	U		0.0500	0.200	1	06/10/2021 03:41	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 03:41	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 03:41	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 03:41	WG1685408
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2021 03:41	WG1685408
Trichloroethene	12.3		0.0160	0.0400	1	06/10/2021 03:41	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 03:41	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 03:41	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 03:41	WG1685408
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	06/10/2021 03:41	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 03:41	WG1685408
Vinyl chloride	0.0790	~~J~~	0.0273	0.100	1	06/10/2021 03:41	WG1685408
Xylenes, Total	U		0.191	0.260	1	06/10/2021 03:41	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 03:41	WG1685408
Tetrahydrofuran	U	~~J3~~	0.0900	0.500	1	06/10/2021 03:41	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 03:41	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 03:41	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 03:41	WG1685408
(S) Toluene-d8	98.8			75.0-131		06/10/2021 03:41	WG1685408
(S) 4-Bromofluorobenzene	95.8			67.0-138		06/10/2021 03:41	WG1685408
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		06/10/2021 03:41	WG1685408

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 date / time	Batch
Sulfate	11800		594	5000	1	06/16/2021 21:52	WG1688850

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2270		102	1000	1	06/10/2021 05:56	WG1685123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5450		28.1	100	1	06/22/2021 15:50	WG1692734
Manganese	787		0.704	5.00	1	06/22/2021 18:40	WG1692734

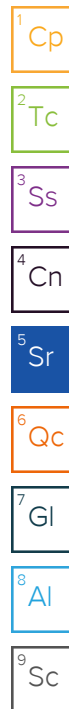
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	38.2		0.287	0.678	1	06/09/2021 13:23	WG1685233
Ethane	U		0.296	1.29	1	06/09/2021 13:23	WG1685233
Ethene	U		0.422	1.27	1	06/09/2021 13:23	WG1685233

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

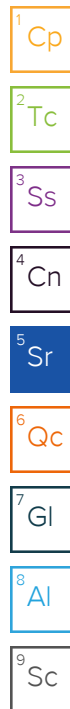
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/10/2021 04:00	WG1685408
Acrylonitrile	U		0.0760	0.500	1	06/10/2021 04:00	WG1685408
Benzene	0.161		0.0160	0.0400	1	06/10/2021 04:00	WG1685408
Bromobenzene	U		0.0420	0.500	1	06/10/2021 04:00	WG1685408
Bromodichloromethane	U		0.0315	0.100	1	06/10/2021 04:00	WG1685408
Bromoform	U		0.239	1.00	1	06/10/2021 04:00	WG1685408
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2021 04:00	WG1685408
n-Butylbenzene	U		0.153	0.500	1	06/10/2021 04:00	WG1685408
sec-Butylbenzene	U		0.101	0.500	1	06/10/2021 04:00	WG1685408
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2021 04:00	WG1685408
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2021 04:00	WG1685408
Chlorobenzene	U		0.0229	0.100	1	06/10/2021 04:00	WG1685408
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2021 04:00	WG1685408
Chloroethane	U		0.0432	0.200	1	06/10/2021 04:00	WG1685408
Chloroform	U		0.0166	0.100	1	06/10/2021 04:00	WG1685408
Chloromethane	U		0.0556	0.500	1	06/10/2021 04:00	WG1685408
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2021 04:00	WG1685408
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2021 04:00	WG1685408
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/10/2021 04:00	WG1685408
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2021 04:00	WG1685408
Dibromomethane	U		0.0400	0.200	1	06/10/2021 04:00	WG1685408
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2021 04:00	WG1685408
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2021 04:00	WG1685408
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2021 04:00	WG1685408
Dichlorodifluoromethane	U		0.0327	0.100	1	06/10/2021 04:00	WG1685408
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2021 04:00	WG1685408
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2021 04:00	WG1685408
1,1-Dichloroethene	1.50		0.0200	0.100	1	06/10/2021 04:00	WG1685408
cis-1,2-Dichloroethene	11.5		0.0276	0.100	1	06/10/2021 04:00	WG1685408
trans-1,2-Dichloroethene	0.300		0.0572	0.200	1	06/10/2021 04:00	WG1685408
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2021 04:00	WG1685408

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

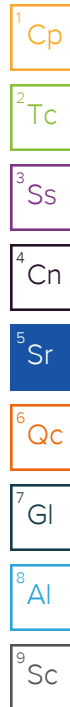
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2021 04:00	WG1685408
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2021 04:00	WG1685408
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2021 04:00	WG1685408
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2021 04:00	WG1685408
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2021 04:00	WG1685408
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2021 04:00	WG1685408
Ethylbenzene	0.0490	<u>U</u>	0.0212	0.100	1	06/10/2021 04:00	WG1685408
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2021 04:00	WG1685408
Isopropylbenzene	U		0.0345	0.100	1	06/10/2021 04:00	WG1685408
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2021 04:00	WG1685408
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2021 04:00	WG1685408
Methylene Chloride	U		0.265	1.00	1	06/10/2021 04:00	WG1685408
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2021 04:00	WG1685408
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2021 04:00	WG1685408
Naphthalene	U		0.124	0.500	1	06/10/2021 04:00	WG1685408
n-Propylbenzene	U		0.0472	0.200	1	06/10/2021 04:00	WG1685408
Styrene	U		0.109	0.500	1	06/10/2021 04:00	WG1685408
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2021 04:00	WG1685408
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2021 04:00	WG1685408
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2021 04:00	WG1685408
Tetrachloroethene	0.128		0.0280	0.100	1	06/10/2021 04:00	WG1685408
Toluene	1.09		0.0500	0.200	1	06/10/2021 04:00	WG1685408
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2021 04:00	WG1685408
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2021 04:00	WG1685408
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2021 04:00	WG1685408
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2021 04:00	WG1685408
Trichloroethene	1.37		0.0160	0.0400	1	06/10/2021 04:00	WG1685408
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2021 04:00	WG1685408
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2021 04:00	WG1685408
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2021 04:00	WG1685408
1,2,3-Trimethylbenzene	U	<u>U4</u>	0.0460	0.200	1	06/10/2021 04:00	WG1685408
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2021 04:00	WG1685408
Vinyl chloride	0.359		0.0273	0.100	1	06/10/2021 04:00	WG1685408
Xylenes, Total	0.234	<u>U</u>	0.191	0.260	1	06/10/2021 04:00	WG1685408
Ethyl Ether	U		0.0170	0.100	1	06/10/2021 04:00	WG1685408
Tetrahydrofuran	U	<u>U3</u>	0.0900	0.500	1	06/10/2021 04:00	WG1685408
Iodomethane	U		0.242	0.500	1	06/10/2021 04:00	WG1685408
Allyl chloride	U		0.580	1.00	1	06/10/2021 04:00	WG1685408
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/10/2021 04:00	WG1685408
(S) Toluene-d8	97.9			75.0-131		06/10/2021 04:00	WG1685408
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2021 04:00	WG1685408
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		06/10/2021 04:00	WG1685408



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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	1.76		0.548	1.00	1	06/16/2021 17:25	WG1689055
Acrylonitrile	U		0.0760	0.500	1	06/15/2021 04:44	WG1688543
Benzene	U		0.0160	0.0400	1	06/15/2021 04:44	WG1688543
Bromobenzene	U		0.0420	0.500	1	06/15/2021 04:44	WG1688543
Bromodichloromethane	U		0.0315	0.100	1	06/15/2021 04:44	WG1688543
Bromoform	U		0.239	1.00	1	06/15/2021 04:44	WG1688543
Bromomethane	U	UJ C3	0.148	0.500	1	06/15/2021 04:44	WG1688543
n-Butylbenzene	U		0.153	0.500	1	06/15/2021 04:44	WG1688543
sec-Butylbenzene	U		0.101	0.500	1	06/15/2021 04:44	WG1688543
tert-Butylbenzene	U		0.0620	0.200	1	06/15/2021 04:44	WG1688543
Carbon tetrachloride	U		0.0432	0.200	1	06/15/2021 04:44	WG1688543
Chlorobenzene	U		0.0229	0.100	1	06/15/2021 04:44	WG1688543
Chlorodibromomethane	U		0.0180	0.100	1	06/15/2021 04:44	WG1688543
Chloroethane	U		0.0432	0.200	1	06/15/2021 04:44	WG1688543
Chloroform	0.126		0.0166	0.100	1	06/15/2021 04:44	WG1688543
Chloromethane	U		0.0556	0.500	1	06/15/2021 04:44	WG1688543
2-Chlorotoluene	U		0.0368	0.100	1	06/15/2021 04:44	WG1688543
4-Chlorotoluene	U		0.0452	0.200	1	06/15/2021 04:44	WG1688543
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/15/2021 04:44	WG1688543
1,2-Dibromoethane	U		0.0210	0.100	1	06/15/2021 04:44	WG1688543
Dibromomethane	U		0.0400	0.200	1	06/15/2021 04:44	WG1688543
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/15/2021 04:44	WG1688543
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/15/2021 04:44	WG1688543
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/15/2021 04:44	WG1688543
Dichlorodifluoromethane	U		0.0327	0.100	1	06/15/2021 04:44	WG1688543
1,1-Dichloroethane	U		0.0230	0.100	1	06/15/2021 04:44	WG1688543
1,2-Dichloroethane	U		0.0190	0.100	1	06/15/2021 04:44	WG1688543
1,1-Dichloroethene	U		0.0200	0.100	1	06/15/2021 04:44	WG1688543
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/15/2021 04:44	WG1688543
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/15/2021 04:44	WG1688543
1,2-Dichloropropane	U		0.0508	0.200	1	06/15/2021 04:44	WG1688543
1,1-Dichloropropene	U		0.0280	0.100	1	06/15/2021 04:44	WG1688543
1,3-Dichloropropane	U		0.0700	0.200	1	06/15/2021 04:44	WG1688543
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/15/2021 04:44	WG1688543
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/15/2021 04:44	WG1688543
2,2-Dichloropropane	U		0.0317	0.100	1	06/15/2021 04:44	WG1688543
Di-isopropyl ether	U		0.0140	0.0400	1	06/15/2021 04:44	WG1688543
Ethylbenzene	U		0.0212	0.100	1	06/15/2021 04:44	WG1688543
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/15/2021 04:44	WG1688543
Isopropylbenzene	U		0.0345	0.100	1	06/15/2021 04:44	WG1688543
p-Isopropyltoluene	U		0.0932	0.200	1	06/15/2021 04:44	WG1688543
2-Butanone (MEK)	U		0.500	1.00	1	06/15/2021 04:44	WG1688543
Methylene Chloride	U		0.265	1.00	1	06/15/2021 04:44	WG1688543
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/15/2021 04:44	WG1688543
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/15/2021 04:44	WG1688543
Naphthalene	U	J4	0.124	0.500	1	06/15/2021 04:44	WG1688543
n-Propylbenzene	U		0.0472	0.200	1	06/15/2021 04:44	WG1688543
Styrene	U		0.109	0.500	1	06/15/2021 04:44	WG1688543
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/15/2021 04:44	WG1688543
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/15/2021 04:44	WG1688543
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/15/2021 04:44	WG1688543
Tetrachloroethene	0.0480	J	0.0280	0.100	1	06/15/2021 04:44	WG1688543
Toluene	0.111	J	0.0500	0.200	1	06/15/2021 04:44	WG1688543
1,2,3-Trichlorobenzene	U	UJ C4	0.0250	0.500	1	06/15/2021 04:44	WG1688543
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/16/2021 17:25	WG1689055
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/15/2021 04:44	WG1688543



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MW124-060821

SAMPLE RESULTS - 01

Collected date/time: 06/08/21 12:45

L1364003

Volatile Organic 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	06/15/2021 04:44	WG1688543
Trichloroethene	U		0.0160	0.0400	1	06/15/2021 04:44	WG1688543
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/15/2021 04:44	WG1688543
1,2,3-Trichloropropane	U		0.204	0.500	1	06/15/2021 04:44	WG1688543
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/15/2021 04:44	WG1688543
1,2,3-Trimethylbenzene	U	~~J4~~	0.0460	0.200	1	06/15/2021 04:44	WG1688543
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/15/2021 04:44	WG1688543
Vinyl chloride	U		0.0273	0.100	1	06/15/2021 04:44	WG1688543
Xylenes, Total	U		0.191	0.260	1	06/15/2021 04:44	WG1688543
Ethyl Ether	U		0.0170	0.100	1	06/15/2021 04:44	WG1688543
Tetrahydrofuran	U		0.0900	0.500	1	06/15/2021 04:44	WG1688543
Iodomethane	U		0.242	0.500	1	06/15/2021 04:44	WG1688543
Allyl chloride	U		0.580	1.00	1	06/15/2021 04:44	WG1688543
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	06/15/2021 04:44	WG1688543
(S) Toluene-d8	106			75.0-131		06/15/2021 04:44	WG1688543
(S) Toluene-d8	102			75.0-131		06/16/2021 17:25	WG1689055
(S) 4-Bromofluorobenzene	97.6			67.0-138		06/15/2021 04:44	WG1688543
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/16/2021 17:25	WG1689055
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/15/2021 04:44	WG1688543
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/16/2021 17:25	WG1689055

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:** June 4, 2021
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: American Linen Data Validation
PROJECT #: 1413.001.02.501F
TASK: EIM Data Validation Level EPA2A for May 2021 – Soil Vapor Samples
LAB: Pace Sample Delivery Group (SDG): L1353415

Twenty-five (25) soil vapor samples (including two field duplicates) were collected as part of the 2021 quarterly (Q2) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on May 2, 4-6, and 10-12, 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; and
- Organic compound (helium) analysis via Standard Practice for Analysis of Reformed Gas by Gas Chromatography using American Society for Testing and Materials (ASTM) Method 1946.

The quality assurance review of the sample data associated with SDG L1353415.

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 Contract Laboratory Program 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 with the following discussion:

- Sample SV01-051221 and field duplicate SV-907-051121 were also analyzed for helium to confirm field detections of helium in the sampling setup to ensure that the vapor point is sealed (helium was detected in the field using the dielectric helium leak detector).

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.

ASTM Method 1946:

The analyses for helium by ASTM Method 1946 was performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. 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 WG1671554: Low levels of 2-propanol (also referred to as isopropanol) and ethanol are detected above the MDL and below the RDL in the method blank. No action is needed since these compounds were either detected above the RDL or are not detected in the associated samples.
- Analytical Batch WG1671560: Low levels of propene (also referred to as 1-propene) and ethanol below the RDL were detected in the method blank. No action is needed since these compounds were either detected above the RDL or not detected in the associated samples.

ASTM Method 1946:

A laboratory method blank is included with the analytical batch per method requirement. The target analyte was not detected in the method blank at or above the reporting detection limit (RDL).

Trip Blank Results

A trip blank is not required for the VOCs by TO-15 or helium by ASTM 1946 analyses. No action is taken other than to note this.

Field Duplicate Analyses

Field duplicate sample pairs were both collected contemporaneously using a t-joint at the soil vapor probe. Field duplicate samples are as follows:

- Sample SV01-051221 and field duplicate sample SV-907-051121
- Sample SV-21-050421 and field duplicate sample SV-906-050421

Target analyte results are comparable and within a relative percent difference (RPD) of 30% for the field duplicate pair with the following exceptions:

- Sample SV-21-050421 and field duplicate sample SV-906-050421: Three VOC compound (acetone, ethanol, and tetrahydrofuran) 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).**
- Sample SV01-051221 and field duplicate sample SV-907-051121: Four VOC compound (ethanol, isopropanol, tetrahydrofuran, and toluene) 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 and ASTM Method 1946:

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:

- Sample SV-24-050421 (batch WG1671554 analyzed on 5/16/2021) surrogate 1,4-bromofluorobenzene was recovered high and above control limit criteria due to matrix interference. **All sample SV-24-050421 detects (methyl ethyl ketone, ethanol, hexane,**

and toluene) associated with batch WG1671554 are qualified as estimated (J) due to elevated surrogate recovery.

Laboratory Control Samples

USEPA Method TO-15:

Both laboratory control sample and laboratory control sample/laboratory control sample duplicate (LCS/LCSD) 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.

ASTM Method 1946:

LCS/LCSDs were analyzed for the helium along with each analytical batch. The LCS/LCSD recoveries and RPD for the compound is within 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 or helium by ASTM Method 1946.

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.

Helium results are reported in percentages (sample SV01-051221 and field duplicate SV-907-051121 are 2,580 parts per million volume (ppmv) and 3,000 ppmv, respectively).

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:

- Samples SV-20-050521, SV-22-050421, SV-18-050621, SV-12-050221, and SV-08-050521 ethanol detections exceeded the upper calibration range and are laboratory

qualified (E). **Samples SV-20-050521, SV-22-050421, SV-18-050621, SV-12-050221, and SV-08-050521 ethanol results are estimated and qualified (J).**

Data Assessment

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

- USEPA Contract Laboratory Program 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	5.38	12.8		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	35.6	111		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	0.449	1.55		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	44.7	84.3		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.595	2.94		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	5.84	23.9		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	3.17	7.79	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	7.60	51.6		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

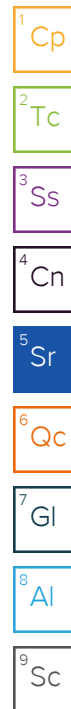
8 Al

9 Sc

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Volatile Organic Compounds (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	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.207	1.02		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	0.464	2.01		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.3				WG1671554



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	14.1	33.5		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	1.54	4.92		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	1.46	7.11		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.464	0.958		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	2.83	9.75		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	1.22	4.89		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	133 J	251 J E		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.859	3.72		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.248	1.23		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	1.10	4.50		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	2.50	8.81		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.329	1.14		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.61	4.75		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	7.62	18.7		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	8.87	33.4		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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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 (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	19.3	105		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.747	3.67		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.206	1.01		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.13	5.28		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	3.29	14.3		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	1.06	4.60		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.0				WG1671554

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ 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	3.89	9.24		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.351	0.725		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.294	1.17		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.326	1.29		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	19.5	36.8		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.527	2.28		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.882	4.96		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.97	14.7		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	22.6	153		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.53	16.3		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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 (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	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	2.38	12.8		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.757	3.72		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	1.81	7.85		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	0.579	2.51		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.8				WG1671554

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
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	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	4.53	14.5		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	22.9	78.9		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.51	14.1		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.52	9.99		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.206	0.816		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	43.5 J	82.0 J		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.813	3.52		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.93	5.69		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	3.13 J	7.69 J	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.437	2.97		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.15 J	15.2 J		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	4.87 J	18.3 J		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/1/2021

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PES Environmental, Inc.- WA

PROJECT:

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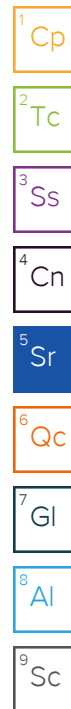
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Volatile Organic Compounds (MS) by Method TO-15

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	1.22	6.64		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	0.222	1.19		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.10	5.40		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.340	1.67		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	87.0	406		10	WG1672031
Vinyl chloride	75-01-4	62.50	2.00	5.11	185	473		10	WG1672031
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	2.55	11.1		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	1.05	4.55		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		128				WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.9				WG1672031

Organic Compounds (GC) by Method ASTM 1946

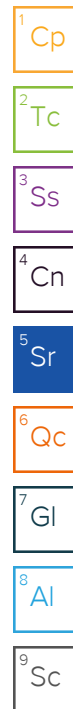
Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	0.300		1	WG1673588



JC 6/1/2021

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	ND	ND		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	3.82	12.2		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	19.5	67.2		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.02	12.1		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.233	0.923		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.17	8.60		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	31.1 J	58.6 J		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.668	2.90		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.206	1.02		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND UJ	ND UJ		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.407	2.76		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND UJ	ND UJ		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	3.35 J	12.6 J		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554



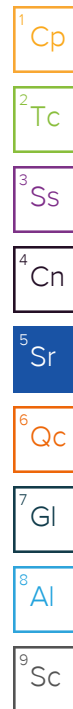
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Volatile Organic Compounds (MS) by Method TO-15

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	1.05	5.71		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.863	4.24		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.251	1.23		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	88.2	412		1	WG1671554
Vinyl chloride	75-01-4	62.50	2.00	5.11	160	409		10	WG1672031
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	1.97	8.54		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	0.831	3.60		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		124				WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		89.4				WG1672031

Organic Compounds (GC) by Method ASTM 1946

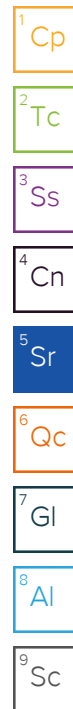
Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	0.258		1	WG1673588



Volatile Organic Compounds (MS) by Method TO-15

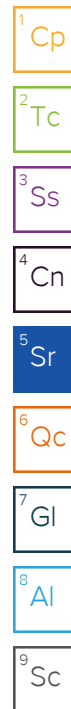
Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.23	10.1		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	188 J	354 J	E	1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.421	2.08		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.27	3.75		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	7.84	19.3		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.355	2.41		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.19	3.51		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	1.04	3.92		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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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	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.353	1.73		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.6				WG1671554

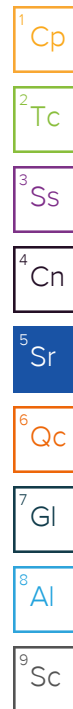


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Volatile Organic Compounds (MS) by Method TO-15

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	1.48 J	3.52 J		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.211	0.436		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	6.69 J	12.6 J		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.288	1.62		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.401	1.98		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.03	13.8		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND UJ	ND UJ		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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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	0.490	2.67		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.0				WG1671554

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	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	3.65 J	6.88 J		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	2.07 J	7.30 J		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	83.9 J	247 J		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	0.587 J	2.21 J		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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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	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	1110	5190		100	WG1672031
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		177		J1		WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.1				WG1672031

Sample Narrative:

L1353415-10 WG1671554: Surrogate failure due to matrix interference.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	3.24 J	7.70 J		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.238	0.492		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	29.6 J	55.8 J		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.296	1.66		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.391	1.93		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.07	9.05		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.00	13.6		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.07 J	3.16 J		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

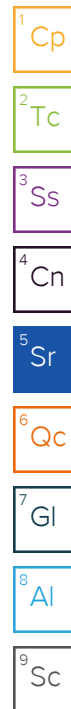
8 Al

9 Sc

JC 6/1/2021

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	0.462	2.51		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.2				WG1671554



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	7.48	17.8		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	0.200	0.639		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	9.63	30.0		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.242	0.500		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.299	1.03		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	125 J	236 J	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.204	0.884		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.267	1.50		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.381	1.88		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	0.235	0.961		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	0.995	3.51		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.06	6.07		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	7.27	17.9		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.07	7.26		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	4.55	13.4		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	2.78	10.5		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

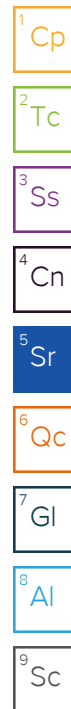
8 Al

9 Sc

JC 6/1/2021

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	0.526	2.86		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.222	1.09		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.274	1.28		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.669	2.90		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	0.209	0.906		1	WG1671560
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.0				WG1671560



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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	2.85	6.77		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.23	10.1		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	111 J	209 J	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.216	0.936		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	8.07	45.4		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	5.17	25.6		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	4.01	9.86		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	7.28	49.4		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.593	1.75		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

JC 6/1/2021

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PES Environmental, Inc.- WA

PROJECT:

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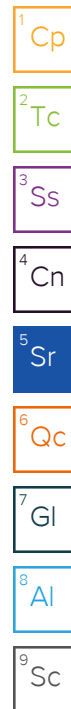
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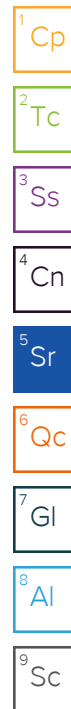
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Volatile Organic Compounds (MS) by Method TO-15

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	0.628	3.42		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.750	3.25		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.0				WG1671560



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	10.7	25.4		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	0.236	0.754		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	12.8	39.8		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.573	1.18		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.370	1.27		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	237 J	447 J	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.210	0.910		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.313	1.55		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	0.341	1.39		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	0.772	2.72		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.215	0.747		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.91	8.58		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	11.4	28.0		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.04	7.06		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	6.83	20.1		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	2.26	8.51		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

JC 6/1/2021

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		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.384	1.88		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.343	1.60		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.766	3.32		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	0.252	1.09		1	WG1671560
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.1				WG1671560

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc