



ANALYTICAL REPORT

October 21, 2020

TRC Solutions - Austin, TX

Sample Delivery Group: L1271213
Samples Received: 10/08/2020
Project Number: 403125.0000.0000.
Description: New Wells - Fall 2020
Site: (NAVAJO - ARTESIA)
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MW-145 L1271213-01 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 11:30	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559818	1	10/16/20 09:47	10/16/20 09:47	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

MW-146 L1271213-02 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 11:00	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559818	1	10/16/20 10:07	10/16/20 10:07	ADM	Mt. Juliet, TN

4 Cn

5 Tr

6 Sr

MW-147 L1271213-03 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 10:20	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559818	1	10/16/20 10:27	10/16/20 10:27	ADM	Mt. Juliet, TN

7 Qc

8 Gl

MW-148 L1271213-04 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 09:40	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559818	1	10/16/20 10:48	10/16/20 10:48	ADM	Mt. Juliet, TN

9 Al

10 Sc

DUP-01 L1271213-05 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 10:00	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559818	1	10/16/20 11:08	10/16/20 11:08	ADM	Mt. Juliet, TN

EB-01 L1271213-06 GW

				Collected by SU / HMI Team	Collected date/time 10/06/20 11:35	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560531	1	10/16/20 15:39	10/16/20 15:39	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Tr⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
 - a. Items consistent with NELAC Chapter 5,
 - b. dilution factors,
 - c. preparation methods,
 - d. cleanup methods, and
 - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
 - a. Calculated recovery (%R), and
 - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
 - a. LCS spiking amounts,
 - b. Calculated %R for each analyte, and
 - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a. Samples associated with the MS/MSD clearly identified,
 - b. MS/MSD spiking amounts,
 - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d. Calculated %Rs and relative percent differences (RPDs), and
 - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
 - a. The amount of analyte measured in the duplicate,
 - b. The calculated RPD, and
 - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Chris McCord
Project Manager

Laboratory Name: Pace Analytical National			LRC Date: 10/21/2020 20:09				
Project Name: New Wells - Fall 2020			Laboratory Job Number: L1271213-01, 02, 03, 04, 05 and 06				
Reviewer Name: Chris McCord			Prep Batch Number(s): WG1559818 and WG1560531				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			2
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Name: Pace Analytical National			LRC Date: 10/21/2020 20:09				
Project Name: New Wells - Fall 2020			Laboratory Job Number: L1271213-01, 02, 03, 04, 05 and 06				
Reviewer Name: Chris McCord			Prep Batch Number(s): WG1559818 and WG1560531				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				
1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable); 3. NA = Not applicable; 4. NR = Not reviewed; 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).							

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National		LRC Date: 10/21/2020 20:09	
Project Name: New Wells - Fall 2020		Laboratory Job Number: L1271213-01, 02, 03, 04, 05 and 06	
Reviewer Name: Chris McCord		Prep Batch Number(s): WG1559818 and WG1560531	
ER #¹	Description		
1	8260B WG1559818 Acetone: Percent Recovery is outside of established control limits. 8260B WG1560531 Tetrachloroethene: Percent Recovery is outside of established control limits.		
2	8260B WG1560531 Acetone: Relative Percent Difference is outside of established control limits.		
3	8260B WG1560531 n-Butylbenzene, sec-Butylbenzene, Carbon tetrachloride, 1,1-Dichloroethene, Isopropylbenzene, p-Isopropyltoluene, 1,1,1-Trichloroethane, Vinyl chloride: Relative Percent Difference is outside of established control limits.		
1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable); 3. NA = Not applicable; 4. NR = Not reviewed; 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).			

Collected date/time: 10/06/20 11:30

L1271213

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0113	0.0500	0.0500	1	10/16/2020 09:47	WG1559818
Benzene	U		0.0000941	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 09:47	WG1559818
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 09:47	WG1559818
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 09:47	WG1559818
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 09:47	WG1559818
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 09:47	WG1559818
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 09:47	WG1559818
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 09:47	WG1559818
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 09:47	WG1559818
Methyl tert-butyl ether	0.000496	J	0.000101	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 09:47	WG1559818
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Tetrachloroethene	U		0.000300	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 09:47	WG1559818
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 09:47	WG1559818
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 09:47	WG1559818
(S) Toluene-d8	105				80.0-120		10/16/2020 09:47	WG1559818
(S) 4-Bromofluorobenzene	95.9				77.0-126		10/16/2020 09:47	WG1559818
(S) 1,2-Dichloroethane-d4	112				70.0-130		10/16/2020 09:47	WG1559818

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 10/06/20 11:00

L1271213

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0113	0.0500	0.0500	1	10/16/2020 10:07	WG1559818
Benzene	U		0.0000941	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 10:07	WG1559818
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 10:07	WG1559818
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 10:07	WG1559818
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 10:07	WG1559818
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 10:07	WG1559818
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 10:07	WG1559818
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 10:07	WG1559818
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 10:07	WG1559818
Methyl tert-butyl ether	U		0.000101	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 10:07	WG1559818
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Tetrachloroethene	U		0.000300	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 10:07	WG1559818
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 10:07	WG1559818
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 10:07	WG1559818
(S) Toluene-d8	106				80.0-120		10/16/2020 10:07	WG1559818
(S) 4-Bromofluorobenzene	99.6				77.0-126		10/16/2020 10:07	WG1559818
(S) 1,2-Dichloroethane-d4	112				70.0-130		10/16/2020 10:07	WG1559818

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 10/06/20 10:20

L1271213

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0113	0.0500	0.0500	1	10/16/2020 10:27	WG1559818
Benzene	U		0.0000941	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 10:27	WG1559818
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 10:27	WG1559818
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 10:27	WG1559818
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 10:27	WG1559818
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 10:27	WG1559818
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 10:27	WG1559818
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 10:27	WG1559818
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 10:27	WG1559818
Methyl tert-butyl ether	U		0.000101	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 10:27	WG1559818
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Tetrachloroethene	U		0.000300	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 10:27	WG1559818
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 10:27	WG1559818
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 10:27	WG1559818
(S) Toluene-d8	103				80.0-120		10/16/2020 10:27	WG1559818
(S) 4-Bromofluorobenzene	96.3				77.0-126		10/16/2020 10:27	WG1559818
(S) 1,2-Dichloroethane-d4	115				70.0-130		10/16/2020 10:27	WG1559818



Collected date/time: 10/06/20 09:40

L1271213

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Acetone	U	J4	0.0113	0.0500	0.0500	1	10/16/2020 10:48	WG1559818
Benzene	U		0.0000941	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 10:48	WG1559818
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 10:48	WG1559818
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 10:48	WG1559818
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 10:48	WG1559818
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 10:48	WG1559818
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 10:48	WG1559818
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 10:48	WG1559818
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 10:48	WG1559818
Methyl tert-butyl ether	0.000183	J	0.000101	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 10:48	WG1559818
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Tetrachloroethene	U		0.000300	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 10:48	WG1559818
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 10:48	WG1559818
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 10:48	WG1559818
(S) Toluene-d8	104				80.0-120		10/16/2020 10:48	WG1559818
(S) 4-Bromofluorobenzene	97.4				77.0-126		10/16/2020 10:48	WG1559818
(S) 1,2-Dichloroethane-d4	117				70.0-130		10/16/2020 10:48	WG1559818

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 10/06/20 10:00

L1271213

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0113	0.0500	0.0500	1	10/16/2020 11:08	WG1559818
Benzene	U		0.0000941	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 11:08	WG1559818
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 11:08	WG1559818
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 11:08	WG1559818
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 11:08	WG1559818
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 11:08	WG1559818
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 11:08	WG1559818
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 11:08	WG1559818
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 11:08	WG1559818
Methyl tert-butyl ether	0.000507	J	0.000101	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 11:08	WG1559818
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Tetrachloroethene	U		0.000300	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 11:08	WG1559818
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 11:08	WG1559818
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 11:08	WG1559818
(S) Toluene-d8	103				80.0-120		10/16/2020 11:08	WG1559818
(S) 4-Bromofluorobenzene	97.8				77.0-126		10/16/2020 11:08	WG1559818
(S) 1,2-Dichloroethane-d4	116				70.0-130		10/16/2020 11:08	WG1559818



Collected date/time: 10/06/20 11:35

L1271213

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	0.0500	1	10/16/2020 15:39	WG1560531
Benzene	0.000641	J	0.0000941	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Bromodichloromethane	U		0.000136	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Bromoform	U		0.000129	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Bromomethane	U		0.000605	0.00500	0.00500	1	10/16/2020 15:39	WG1560531
n-Butylbenzene	U		0.000157	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
sec-Butylbenzene	U		0.000125	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Carbon disulfide	U		0.0000962	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Carbon tetrachloride	U		0.000128	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Chlorobenzene	U		0.000116	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Chlorodibromomethane	U		0.000140	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Chloroethane	U		0.000192	0.00500	0.00500	1	10/16/2020 15:39	WG1560531
Chloroform	U		0.000111	0.00500	0.00500	1	10/16/2020 15:39	WG1560531
Chloromethane	U		0.000960	0.00250	0.00250	1	10/16/2020 15:39	WG1560531
1,2-Dibromoethane	U		0.000126	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1-Dichloroethane	U		0.000100	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,2-Dichloroethane	U		0.0000819	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1-Dichloroethene	U		0.000188	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
cis-1,2-Dichloroethene	U		0.000126	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
trans-1,2-Dichloroethene	U		0.000149	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,2-Dichloropropane	U		0.000149	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
cis-1,3-Dichloropropene	U		0.000111	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
trans-1,3-Dichloropropene	U		0.000118	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Ethylbenzene	U		0.000137	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Isopropylbenzene	U		0.000105	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
p-Isopropyltoluene	U		0.000120	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
2-Butanone (MEK)	U		0.00119	0.0100	0.0100	1	10/16/2020 15:39	WG1560531
2-Hexanone	U		0.000787	0.0100	0.0100	1	10/16/2020 15:39	WG1560531
Methylene Chloride	U		0.000430	0.00500	0.00500	1	10/16/2020 15:39	WG1560531
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	0.0100	1	10/16/2020 15:39	WG1560531
Methyl tert-butyl ether	U		0.000101	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Naphthalene	U		0.00100	0.00500	0.00500	1	10/16/2020 15:39	WG1560531
n-Propylbenzene	U		0.0000993	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Styrene	U		0.000118	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Tetrachloroethene	U	J4	0.000300	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Toluene	U		0.000278	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1,1-Trichloroethane	U		0.000149	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,1,2-Trichloroethane	U		0.000158	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Trichloroethene	U		0.000190	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,2,4-Trimethylbenzene	U		0.000322	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
1,3,5-Trimethylbenzene	U		0.000104	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
Vinyl chloride	U		0.000234	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
o-Xylene	U		0.000174	0.00100	0.00100	1	10/16/2020 15:39	WG1560531
m&p-Xylene	U		0.000430	0.00200	0.00200	1	10/16/2020 15:39	WG1560531
Xylenes, Total	U		0.000174	0.00300	0.00300	1	10/16/2020 15:39	WG1560531
(S) Toluene-d8	106				80.0-120		10/16/2020 15:39	WG1560531
(S) 4-Bromofluorobenzene	100				77.0-126		10/16/2020 15:39	WG1560531
(S) 1,2-Dichloroethane-d4	90.4				70.0-130		10/16/2020 15:39	WG1560531

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

L1271213-01,02,03,04,05

Method Blank (MB)

(MB) R3582366-2 10/16/20 08:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

L1271213-01,02,03,04,05

Method Blank (MB)

(MB) R3582366-2 10/16/20 08:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	96.9			77.0-126
(S) 1,2-Dichloroethane-d4	108			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Laboratory Control Sample (LCS)

(LCS) R3582366-1 10/16/20 07:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0524	210	19.0-160	J4
Benzene	0.00500	0.00506	101	70.0-123	
Bromodichloromethane	0.00500	0.00509	102	75.0-120	
Bromoform	0.00500	0.00543	109	68.0-132	
Bromomethane	0.00500	0.00553	111	10.0-160	
n-Butylbenzene	0.00500	0.00431	86.2	73.0-125	
sec-Butylbenzene	0.00500	0.00465	93.0	75.0-125	
Carbon disulfide	0.00500	0.00476	95.2	61.0-128	
Carbon tetrachloride	0.00500	0.00498	99.6	68.0-126	
Chlorobenzene	0.00500	0.00528	106	80.0-121	
Chlorodibromomethane	0.00500	0.00540	108	77.0-125	
Chloroethane	0.00500	0.00451	90.2	47.0-150	
Chloroform	0.00500	0.00533	107	73.0-120	
Chloromethane	0.00500	0.00420	84.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00573	115	80.0-122	
1,1-Dichloroethane	0.00500	0.00502	100	70.0-126	
1,2-Dichloroethane	0.00500	0.00547	109	70.0-128	
1,1-Dichloroethene	0.00500	0.00474	94.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00513	103	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00496	99.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00502	100	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00501	100	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00489	97.8	78.0-124	

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

L1271213-01,02,03,04,05

Laboratory Control Sample (LCS)

(LCS) R3582366-1 10/16/20 07:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00525	105	79.0-123	
2-Hexanone	0.0250	0.0241	96.4	67.0-149	
Isopropylbenzene	0.00500	0.00497	99.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00464	92.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0326	130	44.0-160	
Methylene Chloride	0.00500	0.00497	99.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0256	102	68.0-142	
Methyl tert-butyl ether	0.00500	0.00492	98.4	68.0-125	
Naphthalene	0.00500	0.00469	93.8	54.0-135	
n-Propylbenzene	0.00500	0.00476	95.2	77.0-124	
Styrene	0.00500	0.00496	99.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00529	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00487	97.4	65.0-130	
Tetrachloroethene	0.00500	0.00553	111	72.0-132	
Toluene	0.00500	0.00503	101	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00503	101	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00511	102	80.0-120	
Trichloroethene	0.00500	0.00601	120	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00481	96.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00486	97.2	76.0-122	
Vinyl chloride	0.00500	0.00435	87.0	67.0-131	
Xylenes, Total	0.0150	0.0152	101	79.0-123	
o-Xylene	0.00500	0.00509	102	80.0-122	
m&p-Xylenes	0.0100	0.0101	101	80.0-122	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			99.5	77.0-126	
(S) 1,2-Dichloroethane-d4			113	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Tr

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

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

L1271213-06

Method Blank (MB)

(MB) R3582932-3 10/16/20 14:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

L1271213-06

Method Blank (MB)

(MB) R3582932-3 10/16/20 14:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	108			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	87.3			70.0-130

1
Cp

2
Tc

3
Ss

4
Cn

5
Tr

6
Sr

7
Qc

8
Gl

9
Al

10
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582932-1 10/16/20 13:25 • (LCSD) R3582932-2 10/16/20 13:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0152	0.0209	60.8	83.6	19.0-160		J3	31.6	27
Benzene	0.00500	0.00545	0.00543	109	109	70.0-123			0.368	20
Bromodichloromethane	0.00500	0.00485	0.00484	97.0	96.8	75.0-120			0.206	20
Bromoform	0.00500	0.00442	0.00490	88.4	98.0	68.0-132			10.3	20
Bromomethane	0.00500	0.00627	0.00661	125	132	10.0-160			5.28	25
n-Butylbenzene	0.00500	0.00375	0.00421	75.0	84.2	73.0-125			11.6	20
sec-Butylbenzene	0.00500	0.00417	0.00447	83.4	89.4	75.0-125			6.94	20
Carbon disulfide	0.00500	0.00545	0.00538	109	108	61.0-128			1.29	20
Carbon tetrachloride	0.00500	0.00448	0.00467	89.6	93.4	68.0-126			4.15	20
Chlorobenzene	0.00500	0.00550	0.00590	110	118	80.0-121			7.02	20
Chlorodibromomethane	0.00500	0.00442	0.00485	88.4	97.0	77.0-125			9.28	20
Chloroethane	0.00500	0.00564	0.00572	113	114	47.0-150			1.41	20
Chloroform	0.00500	0.00487	0.00502	97.4	100	73.0-120			3.03	20
Chloromethane	0.00500	0.00399	0.00422	79.8	84.4	41.0-142			5.60	20
1,2-Dibromoethane	0.00500	0.00505	0.00521	101	104	80.0-122			3.12	20
1,1-Dichloroethane	0.00500	0.00467	0.00475	93.4	95.0	70.0-126			1.70	20
1,2-Dichloroethane	0.00500	0.00471	0.00506	94.2	101	70.0-128			7.16	20
1,1-Dichloroethene	0.00500	0.00549	0.00576	110	115	71.0-124			4.80	20
cis-1,2-Dichloroethene	0.00500	0.00505	0.00507	101	101	73.0-120			0.395	20
trans-1,2-Dichloroethene	0.00500	0.00514	0.00524	103	105	73.0-120			1.93	20
1,2-Dichloropropane	0.00500	0.00535	0.00576	107	115	77.0-125			7.38	20
cis-1,3-Dichloropropene	0.00500	0.00469	0.00490	93.8	98.0	80.0-123			4.38	20
trans-1,3-Dichloropropene	0.00500	0.00415	0.00465	83.0	93.0	78.0-124			11.4	20

Volatile Organic Compounds (GC/MS) by Method 8260B L1271213-06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582932-1 10/16/20 13:25 • (LCSD) R3582932-2 10/16/20 13:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00526	0.00576	105	115	79.0-123			9.07	20
2-Hexanone	0.0250	0.0223	0.0243	89.2	97.2	67.0-149			8.58	20
Isopropylbenzene	0.00500	0.00451	0.00492	90.2	98.4	76.0-127			8.70	20
p-Isopropyltoluene	0.00500	0.00433	0.00453	86.6	90.6	76.0-125			4.51	20
2-Butanone (MEK)	0.0250	0.0227	0.0248	90.8	99.2	44.0-160			8.84	20
Methylene Chloride	0.00500	0.00522	0.00567	104	113	67.0-120			8.26	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0221	0.0240	88.4	96.0	68.0-142			8.24	20
Methyl tert-butyl ether	0.00500	0.00499	0.00510	99.8	102	68.0-125			2.18	20
Naphthalene	0.00500	0.00290	0.00319	58.0	63.8	54.0-135			9.52	20
n-Propylbenzene	0.00500	0.00451	0.00484	90.2	96.8	77.0-124			7.06	20
Styrene	0.00500	0.00467	0.00522	93.4	104	73.0-130			11.1	20
1,1,1,2-Tetrachloroethane	0.00500	0.00456	0.00492	91.2	98.4	75.0-125			7.59	20
1,1,2,2-Tetrachloroethane	0.00500	0.00429	0.00470	85.8	94.0	65.0-130			9.12	20
Tetrachloroethene	0.00500	0.00627	0.00678	125	136	72.0-132		J4	7.82	20
Toluene	0.00500	0.00513	0.00541	103	108	79.0-120			5.31	20
1,1,1-Trichloroethane	0.00500	0.00483	0.00503	96.6	101	73.0-124			4.06	20
1,1,2-Trichloroethane	0.00500	0.00510	0.00562	102	112	80.0-120			9.70	20
Trichloroethene	0.00500	0.00577	0.00613	115	123	78.0-124			6.05	20
1,2,4-Trimethylbenzene	0.00500	0.00430	0.00448	86.0	89.6	76.0-121			4.10	20
1,3,5-Trimethylbenzene	0.00500	0.00461	0.00493	92.2	98.6	76.0-122			6.71	20
Vinyl chloride	0.00500	0.00442	0.00438	88.4	87.6	67.0-131			0.909	20
Xylenes, Total	0.0150	0.0150	0.0164	100	109	79.0-123			8.92	20
o-Xylene	0.00500	0.00494	0.00535	98.8	107	80.0-122			7.97	20
m&p-Xylenes	0.0100	0.0101	0.0111	101	111	80.0-122			9.43	20
(S) Toluene-d8				106	106	80.0-120				
(S) 4-Bromofluorobenzene				96.9	100	77.0-126				
(S) 1,2-Dichloroethane-d4				89.9	88.4	70.0-130				

Cp

Tc

Ss

Cn

Tr

Sr

Qc

Gl

Al

Sc

L1270332-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1270332-01 10/16/20 21:29 • (MS) R3582932-4 10/16/20 21:50 • (MSD) R3582932-5 10/16/20 22:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	3.16	3.52	3.68	57.6	83.2	25	10.0-160			4.44	35
Benzene	0.125	0.00308	0.100	0.116	77.5	90.3	25	17.0-158			14.8	27
Bromodichloromethane	0.125	U	0.109	0.126	87.2	101	25	31.0-150			14.5	27
Bromoform	0.125	U	0.120	0.129	96.0	103	25	29.0-150			7.23	29
Bromomethane	0.125	U	0.118	0.132	94.4	106	25	10.0-160			11.2	38
n-Butylbenzene	0.125	U	0.0657	0.102	52.6	81.6	25	31.0-150		J3	43.3	30

Volatile Organic Compounds (GC/MS) by Method 8260B L1271213-06

L1270332-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1270332-01 10/16/20 21:29 • (MS) R3582932-4 10/16/20 21:50 • (MSD) R3582932-5 10/16/20 22:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.125	U	0.0657	0.0989	52.6	79.1	25	33.0-155		J3	40.3	29
Carbon disulfide	0.125	U	0.0670	0.0884	53.6	70.7	25	10.0-156			27.5	28
Carbon tetrachloride	0.125	U	0.0666	0.0931	53.3	74.5	25	23.0-159		J3	33.2	28
Chlorobenzene	0.125	U	0.110	0.123	88.0	98.4	25	33.0-152			11.2	27
Chlorodibromomethane	0.125	U	0.115	0.122	92.0	97.6	25	37.0-149			5.91	27
Chloroethane	0.125	U	0.0891	0.118	71.3	94.4	25	10.0-160			27.9	30
Chloroform	0.125	U	0.0982	0.115	78.6	92.0	25	29.0-154			15.8	28
Chloromethane	0.125	U	0.0674	0.0868	53.9	69.4	25	10.0-160			25.2	29
1,2-Dibromoethane	0.125	U	0.134	0.137	107	110	25	34.0-147			2.21	27
1,1-Dichloroethane	0.125	U	0.0874	0.105	69.9	84.0	25	25.0-158			18.3	27
1,2-Dichloroethane	0.125	U	0.118	0.125	94.4	100	25	29.0-151			5.76	27
1,1-Dichloroethene	0.125	U	0.0727	0.102	58.2	81.6	25	11.0-160		J3	33.5	29
cis-1,2-Dichloroethene	0.125	U	0.104	0.119	83.2	95.2	25	10.0-160			13.5	27
trans-1,2-Dichloroethene	0.125	U	0.0843	0.0987	67.4	79.0	25	17.0-153			15.7	27
1,2-Dichloropropane	0.125	U	0.114	0.129	91.2	103	25	30.0-156			12.3	27
cis-1,3-Dichloropropene	0.125	U	0.109	0.118	87.2	94.4	25	34.0-149			7.93	28
trans-1,3-Dichloropropene	0.125	U	0.110	0.117	88.0	93.6	25	32.0-149			6.17	28
Ethylbenzene	0.125	0.00496	0.0935	0.115	70.8	88.0	25	30.0-155			20.6	27
2-Hexanone	0.625	U	0.646	0.661	103	106	25	21.0-160			2.30	29
Isopropylbenzene	0.125	U	0.0732	0.0988	58.6	79.0	25	28.0-157		J3	29.8	27
p-Isopropyltoluene	0.125	U	0.0715	0.102	57.2	81.6	25	30.0-154		J3	35.2	29
2-Butanone (MEK)	0.625	6.68	7.17	7.49	78.4	130	25	10.0-160			4.37	32
Methylene Chloride	0.125	U	0.121	0.126	96.8	101	25	23.0-144			4.05	28
4-Methyl-2-pentanone (MIBK)	0.625	0.0772	0.687	0.718	97.6	103	25	29.0-160			4.41	29
Methyl tert-butyl ether	0.125	U	0.132	0.138	106	110	25	28.0-150			4.44	29
Naphthalene	0.125	U	0.0899	0.101	71.9	80.8	25	12.0-156			11.6	35
n-Propylbenzene	0.125	U	0.0765	0.100	61.2	80.0	25	31.0-154			26.6	28
Styrene	0.125	U	0.0968	0.113	77.4	90.4	25	33.0-155			15.4	28
1,1,1,2-Tetrachloroethane	0.125	U	0.103	0.115	82.4	92.0	25	36.0-151			11.0	29
1,1,2,2-Tetrachloroethane	0.125	U	0.116	0.122	92.8	97.6	25	33.0-150			5.04	28
Tetrachloroethene	0.125	0.0691	0.106	0.137	29.5	54.3	25	10.0-160			25.5	27
Toluene	0.125	0.0727	0.123	0.148	40.2	60.2	25	26.0-154			18.5	28
1,1,1-Trichloroethane	0.125	U	0.0744	0.103	59.5	82.4	25	23.0-160		J3	32.2	28
1,1,2-Trichloroethane	0.125	U	0.137	0.141	110	113	25	35.0-147			2.88	27
Trichloroethene	0.125	U	0.101	0.122	80.8	97.6	25	10.0-160			18.8	25
1,2,4-Trimethylbenzene	0.125	U	0.0830	0.101	66.4	80.8	25	26.0-154			19.6	27
1,3,5-Trimethylbenzene	0.125	U	0.0840	0.106	67.2	84.8	25	28.0-153			23.2	27
Vinyl chloride	0.125	U	0.0605	0.0842	48.4	67.4	25	10.0-160		J3	32.8	27
Xylenes, Total	0.375	0.00953	0.278	0.342	71.6	88.7	25	29.0-154			20.6	28
o-Xylene	0.125	U	0.0941	0.112	75.3	89.6	25	45.0-144			17.4	26

1

Cp

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Tc

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Ss

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Cn

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Tr

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Sr

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Qc

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Gl

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Al

10

Sc

Volatile Organic Compounds (GC/MS) by Method 8260B
[L1271213-06](#)

L1270332-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1270332-01 10/16/20 21:29 • (MS) R3582932-4 10/16/20 21:50 • (MSD) R3582932-5 10/16/20 22:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
m&p-Xylenes	0.250	U	0.184	0.230	73.6	92.0	25	43.0-146			22.2	26
(S) Toluene-d8					105	105		80.0-120				
(S) 4-Bromofluorobenzene					98.2	99.2		77.0-126				
(S) 1,2-Dichloroethane-d4					86.9	90.8		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

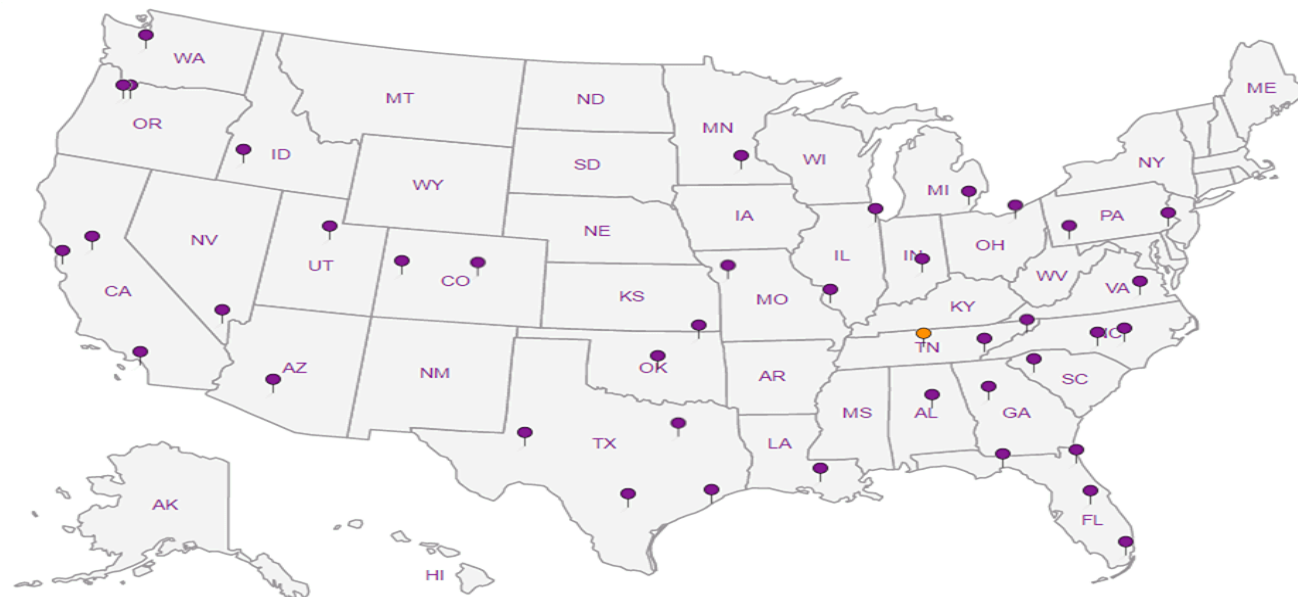
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5858 Fax: 615-758-5859	
Project Description: New Wells - Fall 2020				City/State Collected: Artesia, NM																L# 11271213 Tabl J030 Acctnum: TRCATX Template: T140422	
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-Artesia New Wells														Prelogin: TSR: PB:			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. # 150726														Shipped Via:			
Collected by (signature):		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed														Remarks:	
Immediately Packed on Ice N ☐ Y ☒ X																				Sample # (lab only)	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions, TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	SVOCs - 8270					
MW-145	Grab	GW		10/6/20	1130	2	X														
MW-146	Grab	GW			1100	2	X														
MW-147	Grab	GW			1020	2	X														
MW-148	Grab	GW			940	2	X														
Dup-01	Grab	GW			1000	2	X														
EB-01	Grab	GW			1135	2	X														
	Grab	GW																			
	Grab	GW																			
	Grab	GW																			

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater

Remarks:

Samples returned via FedEx

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y	N
COC Signed/Annotate:		Y	N
Bottles arrive intact:		Y	N
Correct bottles used:		Y	N

Relinquished by (Signature)
 Scott Ude

Date: 10/7/20
 Time: 1400

Received by (Signature)
 Olivia Toney
 10/8/20

1.1-2-9
 9159 8784 5580



ANALYTICAL REPORT

October 21, 2020

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc**TRC Solutions - Austin, TX**

Sample Delivery Group: L1271283
Samples Received: 10/08/2020
Project Number: 330538.0000.0000
Description: TEL Fall 2020
Site: TEL - NAVAJO-ARTESIA
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

TEL-4 L1271283-01 GW

Collected by
Scott Ude

Collected date/time
10/06/20 09:55

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 02:50	10/15/20 02:50	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	1	10/12/20 03:39	10/12/20 03:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	100	10/12/20 03:52	10/12/20 03:52	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/13/20 22:08	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	10	10/14/20 12:59	10/14/20 12:59	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	5	10/17/20 15:33	10/17/20 15:33	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	1	10/12/20 09:00	10/13/20 22:54	DMG	Mt. Juliet, TN

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

TEL-3 L1271283-02 GW

Collected by
Scott Ude

Collected date/time
10/06/20 08:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 02:52	10/15/20 02:52	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	1	10/12/20 04:05	10/12/20 04:05	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	20	10/12/20 13:27	10/12/20 13:27	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 00:59	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	10	10/14/20 13:25	10/14/20 13:25	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560650	1	10/19/20 01:58	10/19/20 01:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	10	10/12/20 09:00	10/14/20 06:15	AEG	Mt. Juliet, TN

MW-49 L1271283-03 GW

Collected by
Scott Ude

Collected date/time
10/06/20 13:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 02:59	10/15/20 02:59	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559473	5	10/15/20 11:00	10/15/20 18:17	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	1	10/12/20 04:30	10/12/20 04:30	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	10	10/12/20 04:43	10/12/20 04:43	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556620	1	10/09/20 09:03	10/11/20 11:23	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 04:56	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 01:02	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	20	10/14/20 14:38	10/14/20 14:38	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	20	10/17/20 15:53	10/17/20 15:53	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	1	10/12/20 09:00	10/13/20 23:19	DMG	Mt. Juliet, TN

DUP-TEL-01 L1271283-04 GW

Collected by
Scott Ude

Collected date/time
10/06/20 11:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 03:00	10/15/20 03:00	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	1	10/12/20 04:56	10/12/20 04:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	20	10/12/20 14:02	10/12/20 14:02	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 01:05	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	10	10/14/20 14:13	10/14/20 14:13	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560663	1	10/17/20 05:22	10/17/20 05:22	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561380	1	10/19/20 19:16	10/19/20 19:16	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	1	10/12/20 09:00	10/13/20 23:44	DMG	Mt. Juliet, TN

EB-TEL-01 L1271283-05 GW

Collected by
Scott Ude

Collected date/time
10/06/20 09:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 03:02	10/15/20 03:02	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557360	1	10/12/20 05:21	10/12/20 05:21	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 02:33	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560065	1	10/16/20 07:58	10/16/20 07:58	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560663	1	10/17/20 01:11	10/17/20 01:11	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	1	10/12/20 09:00	10/14/20 20:54	DMG	Mt. Juliet, TN

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

TRIP BLANK-TEL-01 L1271283-06 GW

Collected by
Scott Ude

Collected date/time
10/06/20 00:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560663	1	10/17/20 01:30	10/17/20 01:30	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

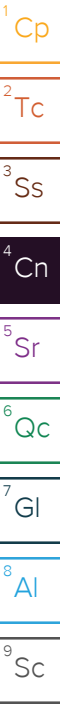


Chris McCord
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1271283-01	TEL-4	3511/8015
L1271283-03	MW-49	3511/8015
L1271283-04	DUP-TEL-01	3511/8015



Collected date/time: 10/06/20 09:55

L1271283

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3470		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 02:50	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	400		37.9	100	100	10/12/2020 03:52	WG1557360
Fluoride	0.904		0.0640	0.150	1	10/12/2020 03:39	WG1557360
Sulfate	1140		59.4	500	100	10/12/2020 03:52	WG1557360

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00923		0.000735	0.00200	1	10/13/2020 22:08	WG1556438
Barium	0.0180	J	0.00778	0.0200	1	10/13/2020 22:08	WG1556438
Calcium	294		0.480	1.00	1	10/13/2020 22:08	WG1556438
Chromium	0.106		0.00149	0.00200	1	10/13/2020 22:08	WG1556438
Iron	0.479		0.0489	0.100	1	10/13/2020 22:08	WG1556438
Lead	U		0.00249	0.00500	1	10/13/2020 22:08	WG1556438
Manganese	1.24	V	0.00132	0.00500	1	10/13/2020 22:08	WG1556438
Potassium	U		0.534	2.00	1	10/13/2020 22:08	WG1556438
Selenium	U		0.000657	0.00200	1	10/13/2020 22:08	WG1556438
Sodium	296	V	0.630	2.00	1	10/13/2020 22:08	WG1556438

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.837	J	0.314	1.00	10	10/14/2020 12:59	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	118			78.0-120		10/14/2020 12:59	WG1558684

Sample Narrative:

L1271283-01 WG1558684: Dilution due to foam.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 15:33	WG1560846
Benzene	0.00154	J	0.000471	0.00500	5	10/17/2020 15:33	WG1560846
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 15:33	WG1560846
Bromoform	U		0.000645	0.00500	5	10/17/2020 15:33	WG1560846
Bromomethane	U		0.00303	0.0250	5	10/17/2020 15:33	WG1560846
n-Butylbenzene	U		0.000785	0.00500	5	10/17/2020 15:33	WG1560846
sec-Butylbenzene	0.00754		0.000625	0.00500	5	10/17/2020 15:33	WG1560846
Carbon disulfide	U		0.000481	0.00500	5	10/17/2020 15:33	WG1560846
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 15:33	WG1560846
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 15:33	WG1560846
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 15:33	WG1560846
Chloroethane	U		0.000960	0.0250	5	10/17/2020 15:33	WG1560846
Chloroform	U		0.000555	0.0250	5	10/17/2020 15:33	WG1560846

Collected date/time: 10/06/20 09:55

L1271283

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

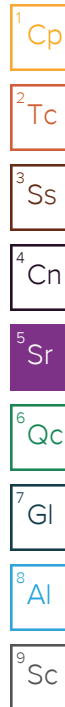
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.00480	0.0125	5	10/17/2020 15:33	WG1560846
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 15:33	WG1560846
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 15:33	WG1560846
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 15:33	WG1560846
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 15:33	WG1560846
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 15:33	WG1560846
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 15:33	WG1560846
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 15:33	WG1560846
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 15:33	WG1560846
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/17/2020 15:33	WG1560846
Ethylbenzene	U		0.000685	0.00500	5	10/17/2020 15:33	WG1560846
Isopropylbenzene	0.00919		0.000525	0.00500	5	10/17/2020 15:33	WG1560846
p-Isopropyltoluene	U		0.000600	0.00500	5	10/17/2020 15:33	WG1560846
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 15:33	WG1560846
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 15:33	WG1560846
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 15:33	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 15:33	WG1560846
Methyl tert-butyl ether	0.0898		0.000505	0.00500	5	10/17/2020 15:33	WG1560846
Naphthalene	U		0.00500	0.0250	5	10/17/2020 15:33	WG1560846
n-Propylbenzene	0.00405	U	0.000497	0.00500	5	10/17/2020 15:33	WG1560846
Styrene	U		0.000590	0.00500	5	10/17/2020 15:33	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 15:33	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 15:33	WG1560846
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 15:33	WG1560846
Toluene	U		0.00139	0.00500	5	10/17/2020 15:33	WG1560846
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 15:33	WG1560846
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 15:33	WG1560846
Trichloroethene	U		0.000950	0.00500	5	10/17/2020 15:33	WG1560846
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	10/17/2020 15:33	WG1560846
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	10/17/2020 15:33	WG1560846
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 15:33	WG1560846
o-Xylene	U		0.000870	0.00500	5	10/17/2020 15:33	WG1560846
m&p-Xylene	U		0.00215	0.0100	5	10/17/2020 15:33	WG1560846
Xylenes, Total	U		0.000870	0.0150	5	10/17/2020 15:33	WG1560846
(S) Toluene-d8	104			80.0-120		10/17/2020 15:33	WG1560846
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 15:33	WG1560846
(S) 1,2-Dichloroethane-d4	89.3			70.0-130		10/17/2020 15:33	WG1560846

Sample Narrative:

L1271283-01 WG1560846: Dilution due to matrix.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.91		0.0247	0.100	1	10/13/2020 22:54	WG1557494
(S) o-Terphenyl	88.4			31.0-160		10/13/2020 22:54	WG1557494



Collected date/time: 10/06/20 08:45

L1271283

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2880		2.82	10.0	1	10/13/2020 21:36	WG1558091

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J6	0.0500	0.100	1	10/15/2020 02:52	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	114		7.58	20.0	20	10/12/2020 13:27	WG1557360
Fluoride	1.73		0.0640	0.150	1	10/12/2020 04:05	WG1557360
Sulfate	1290		11.9	100	20	10/12/2020 13:27	WG1557360

6 Qc

7 Gl

8 Al

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00434		0.000735	0.00200	1	10/14/2020 00:59	WG1556438
Barium	0.0158	J	0.00778	0.0200	1	10/14/2020 00:59	WG1556438
Calcium	424		0.480	1.00	1	10/14/2020 00:59	WG1556438
Chromium	0.0275		0.00149	0.00200	1	10/14/2020 00:59	WG1556438
Iron	0.158		0.0489	0.100	1	10/14/2020 00:59	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 00:59	WG1556438
Manganese	0.0170		0.00132	0.00500	1	10/14/2020 00:59	WG1556438
Potassium	2.55		0.534	2.00	1	10/14/2020 00:59	WG1556438
Selenium	U		0.000657	0.00200	1	10/14/2020 00:59	WG1556438
Sodium	86.5		0.630	2.00	1	10/14/2020 00:59	WG1556438

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.28		0.314	1.00	10	10/14/2020 13:25	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	116			78.0-120		10/14/2020 13:25	WG1558684

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/19/2020 01:58	WG1560650
Benzene	0.182		0.0000941	0.00100	1	10/19/2020 01:58	WG1560650
Bromodichloromethane	U		0.000136	0.00100	1	10/19/2020 01:58	WG1560650
Bromoform	U		0.000129	0.00100	1	10/19/2020 01:58	WG1560650
Bromomethane	U	J4	0.000605	0.00500	1	10/19/2020 01:58	WG1560650
n-Butylbenzene	0.00244		0.000157	0.00100	1	10/19/2020 01:58	WG1560650
sec-Butylbenzene	0.00749		0.000125	0.00100	1	10/19/2020 01:58	WG1560650
Carbon disulfide	0.00307		0.0000962	0.00100	1	10/19/2020 01:58	WG1560650
Carbon tetrachloride	U		0.000128	0.00100	1	10/19/2020 01:58	WG1560650
Chlorobenzene	U		0.000116	0.00100	1	10/19/2020 01:58	WG1560650
Chlorodibromomethane	U		0.000140	0.00100	1	10/19/2020 01:58	WG1560650
Chloroethane	U		0.000192	0.00500	1	10/19/2020 01:58	WG1560650
Chloroform	U		0.000111	0.00500	1	10/19/2020 01:58	WG1560650
Chloromethane	U		0.000960	0.00250	1	10/19/2020 01:58	WG1560650
1,2-Dibromoethane	U		0.000126	0.00100	1	10/19/2020 01:58	WG1560650
1,1-Dichloroethane	U		0.000100	0.00100	1	10/19/2020 01:58	WG1560650

Collected date/time: 10/06/20 08:45

L1271283

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/19/2020 01:58	WG1560650
1,1-Dichloroethene	U		0.000188	0.00100	1	10/19/2020 01:58	WG1560650
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/19/2020 01:58	WG1560650
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/19/2020 01:58	WG1560650
1,2-Dichloropropane	U		0.000149	0.00100	1	10/19/2020 01:58	WG1560650
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/19/2020 01:58	WG1560650
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/19/2020 01:58	WG1560650
Ethylbenzene	0.00262		0.000137	0.00100	1	10/19/2020 01:58	WG1560650
Isopropylbenzene	0.0541		0.000105	0.00100	1	10/19/2020 01:58	WG1560650
p-Isopropyltoluene	0.00180		0.000120	0.00100	1	10/19/2020 01:58	WG1560650
2-Butanone (MEK)	U		0.00119	0.0100	1	10/19/2020 01:58	WG1560650
2-Hexanone	U		0.000787	0.0100	1	10/19/2020 01:58	WG1560650
Methylene Chloride	U		0.000430	0.00500	1	10/19/2020 01:58	WG1560650
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/19/2020 01:58	WG1560650
Methyl tert-butyl ether	0.00419		0.000101	0.00100	1	10/19/2020 01:58	WG1560650
Naphthalene	0.00365	J	0.00100	0.00500	1	10/19/2020 01:58	WG1560650
n-Propylbenzene	0.0255		0.0000993	0.00100	1	10/19/2020 01:58	WG1560650
Styrene	U		0.000118	0.00100	1	10/19/2020 01:58	WG1560650
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/19/2020 01:58	WG1560650
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/19/2020 01:58	WG1560650
Tetrachloroethene	U		0.000300	0.00100	1	10/19/2020 01:58	WG1560650
Toluene	0.00449		0.000278	0.00100	1	10/19/2020 01:58	WG1560650
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/19/2020 01:58	WG1560650
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/19/2020 01:58	WG1560650
Trichloroethene	U	J4	0.000190	0.00100	1	10/19/2020 01:58	WG1560650
1,2,4-Trimethylbenzene	0.0659		0.000322	0.00100	1	10/19/2020 01:58	WG1560650
1,3,5-Trimethylbenzene	0.00147		0.000104	0.00100	1	10/19/2020 01:58	WG1560650
Vinyl chloride	U		0.000234	0.00100	1	10/19/2020 01:58	WG1560650
o-Xylene	0.00640		0.000174	0.00100	1	10/19/2020 01:58	WG1560650
m&p-Xylene	0.0441		0.000430	0.00200	1	10/19/2020 01:58	WG1560650
Xylenes, Total	0.0505		0.000174	0.00300	1	10/19/2020 01:58	WG1560650
(S) Toluene-d8	106			80.0-120		10/19/2020 01:58	WG1560650
(S) 4-Bromofluorobenzene	107			77.0-126		10/19/2020 01:58	WG1560650
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		10/19/2020 01:58	WG1560650

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.36		0.247	1.00	10	10/14/2020 06:15	WG1557494
(S) o-Terphenyl	86.8			31.0-160		10/14/2020 06:15	WG1557494

Collected date/time: 10/06/20 13:00

L1271283

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2340		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 02:59	WG1558993

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	0.0121	J	0.00900	0.0250	5	10/15/2020 18:17	WG1559473

Sample Narrative:

L1271283-03 WG1559473: dilution due to sulfide interference

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	451		3.79	10.0	10	10/12/2020 04:43	WG1557360
Fluoride	1.30		0.0640	0.150	1	10/12/2020 04:30	WG1557360
Sulfate	437		5.94	50.0	10	10/12/2020 04:43	WG1557360

Mercury by Method 7470A

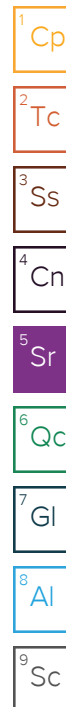
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/11/2020 11:23	WG1556620

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.661		0.0254	0.200	1	10/12/2020 04:56	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00538		0.000735	0.00200	1	10/14/2020 01:02	WG1556438
Barium	0.0500		0.00778	0.0200	1	10/14/2020 01:02	WG1556438
Cadmium	U		0.000478	0.00100	1	10/14/2020 01:02	WG1556438
Calcium	196		0.480	1.00	1	10/14/2020 01:02	WG1556438
Chromium	U		0.00149	0.00200	1	10/14/2020 01:02	WG1556438
Cobalt	U		0.000477	0.00200	1	10/14/2020 01:02	WG1556438
Iron	0.0526	J	0.0489	0.100	1	10/14/2020 01:02	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 01:02	WG1556438
Manganese	0.220		0.00132	0.00500	1	10/14/2020 01:02	WG1556438
Nickel	0.00835		0.000952	0.00200	1	10/14/2020 01:02	WG1556438
Potassium	2.45		0.534	2.00	1	10/14/2020 01:02	WG1556438
Selenium	U		0.000657	0.00200	1	10/14/2020 01:02	WG1556438
Sodium	308		0.630	2.00	1	10/14/2020 01:02	WG1556438
Uranium	U		0.00754	0.0200	1	10/14/2020 01:02	WG1556438
Vanadium	U		0.000986	0.00500	1	10/14/2020 01:02	WG1556438



Collected date/time: 10/06/20 13:00

L1271283

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.05		0.628	2.00	20	10/14/2020 14:38	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	115			78.0-120		10/14/2020 14:38	WG1558684

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/17/2020 15:53	WG1560846
Benzene	0.404		0.00188	0.0200	20	10/17/2020 15:53	WG1560846
Bromodichloromethane	U		0.00272	0.0200	20	10/17/2020 15:53	WG1560846
Bromoform	U		0.00258	0.0200	20	10/17/2020 15:53	WG1560846
Bromomethane	U		0.0121	0.100	20	10/17/2020 15:53	WG1560846
n-Butylbenzene	U		0.00314	0.0200	20	10/17/2020 15:53	WG1560846
sec-Butylbenzene	0.00550	J	0.00250	0.0200	20	10/17/2020 15:53	WG1560846
Carbon disulfide	U		0.00192	0.0200	20	10/17/2020 15:53	WG1560846
Carbon tetrachloride	U		0.00256	0.0200	20	10/17/2020 15:53	WG1560846
Chlorobenzene	U		0.00232	0.0200	20	10/17/2020 15:53	WG1560846
Chlorodibromomethane	U		0.00280	0.0200	20	10/17/2020 15:53	WG1560846
Chloroethane	U		0.00384	0.100	20	10/17/2020 15:53	WG1560846
Chloroform	U		0.00222	0.100	20	10/17/2020 15:53	WG1560846
Chloromethane	U		0.0192	0.0500	20	10/17/2020 15:53	WG1560846
1,2-Dibromoethane	U		0.00252	0.0200	20	10/17/2020 15:53	WG1560846
1,1-Dichloroethane	U		0.00200	0.0200	20	10/17/2020 15:53	WG1560846
1,2-Dichloroethane	U		0.00164	0.0200	20	10/17/2020 15:53	WG1560846
1,1-Dichloroethene	U		0.00376	0.0200	20	10/17/2020 15:53	WG1560846
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/17/2020 15:53	WG1560846
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/17/2020 15:53	WG1560846
1,2-Dichloropropane	U		0.00298	0.0200	20	10/17/2020 15:53	WG1560846
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/17/2020 15:53	WG1560846
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/17/2020 15:53	WG1560846
Ethylbenzene	0.0121	J	0.00274	0.0200	20	10/17/2020 15:53	WG1560846
Isopropylbenzene	0.0329		0.00210	0.0200	20	10/17/2020 15:53	WG1560846
p-Isopropyltoluene	U		0.00240	0.0200	20	10/17/2020 15:53	WG1560846
2-Butanone (MEK)	U		0.0238	0.200	20	10/17/2020 15:53	WG1560846
2-Hexanone	U		0.0157	0.200	20	10/17/2020 15:53	WG1560846
Methylene Chloride	U		0.00860	0.100	20	10/17/2020 15:53	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/17/2020 15:53	WG1560846
Methyl tert-butyl ether	0.196		0.00202	0.0200	20	10/17/2020 15:53	WG1560846
Naphthalene	U		0.0200	0.100	20	10/17/2020 15:53	WG1560846
n-Propylbenzene	0.0359		0.00199	0.0200	20	10/17/2020 15:53	WG1560846
Styrene	U		0.00236	0.0200	20	10/17/2020 15:53	WG1560846
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/17/2020 15:53	WG1560846
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/17/2020 15:53	WG1560846
Tetrachloroethene	U		0.00600	0.0200	20	10/17/2020 15:53	WG1560846
Toluene	U		0.00556	0.0200	20	10/17/2020 15:53	WG1560846
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/17/2020 15:53	WG1560846
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/17/2020 15:53	WG1560846
Trichloroethene	U		0.00380	0.0200	20	10/17/2020 15:53	WG1560846
1,2,4-Trimethylbenzene	0.0763		0.00644	0.0200	20	10/17/2020 15:53	WG1560846
1,3,5-Trimethylbenzene	0.0154	J	0.00208	0.0200	20	10/17/2020 15:53	WG1560846
Vinyl chloride	U		0.00468	0.0200	20	10/17/2020 15:53	WG1560846
o-Xylene	U		0.00348	0.0200	20	10/17/2020 15:53	WG1560846
m&p-Xylene	0.113		0.00860	0.0400	20	10/17/2020 15:53	WG1560846
Xylenes, Total	0.113		0.00348	0.0600	20	10/17/2020 15:53	WG1560846
(S) Toluene-d8	106			80.0-120		10/17/2020 15:53	WG1560846
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 15:53	WG1560846

Collected date/time: 10/06/20 13:00

L1271283

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	84.7			70.0-130		10/17/2020 15:53	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.44		0.0247	0.100	1	10/13/2020 23:19	WG1557494
(S) o-Terphenyl	99.5			31.0-160		10/13/2020 23:19	WG1557494

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 11:00

L1271283

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3510		5.64	20.0	1	10/13/2020 21:36	WG1558091

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 03:00	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	450		7.58	20.0	20	10/12/2020 14:02	WG1557360
Fluoride	0.834		0.0640	0.150	1	10/12/2020 04:56	WG1557360
Sulfate	1230		11.9	100	20	10/12/2020 14:02	WG1557360

6 Qc

7 Gl

8 Al

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00921		0.000735	0.00200	1	10/14/2020 01:05	WG1556438
Barium	0.0181	J	0.00778	0.0200	1	10/14/2020 01:05	WG1556438
Calcium	291		0.480	1.00	1	10/14/2020 01:05	WG1556438
Chromium	0.0522		0.00149	0.00200	1	10/14/2020 01:05	WG1556438
Iron	0.360		0.0489	0.100	1	10/14/2020 01:05	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 01:05	WG1556438
Manganese	1.19		0.00132	0.00500	1	10/14/2020 01:05	WG1556438
Potassium	U		0.534	2.00	1	10/14/2020 01:05	WG1556438
Selenium	U		0.000657	0.00200	1	10/14/2020 01:05	WG1556438
Sodium	307		0.630	2.00	1	10/14/2020 01:05	WG1556438

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.07		0.314	1.00	10	10/14/2020 14:13	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	119			78.0-120		10/14/2020 14:13	WG1558684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	10/17/2020 05:22	WG1560663
Benzene	0.00133		0.0000941	0.00100	1	10/17/2020 05:22	WG1560663
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:22	WG1560663
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:22	WG1560663
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:22	WG1560663
n-Butylbenzene	0.000616	J	0.000157	0.00100	1	10/17/2020 05:22	WG1560663
sec-Butylbenzene	0.00930		0.000125	0.00100	1	10/17/2020 05:22	WG1560663
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:22	WG1560663
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 05:22	WG1560663
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:22	WG1560663
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:22	WG1560663
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:22	WG1560663
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:22	WG1560663
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:22	WG1560663
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:22	WG1560663
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:22	WG1560663

Collected date/time: 10/06/20 11:00

L1271283

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:22	WG1560663
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:22	WG1560663
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:22	WG1560663
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:22	WG1560663
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:22	WG1560663
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:22	WG1560663
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 05:22	WG1560663
Ethylbenzene	0.000370	L	0.000137	0.00100	1	10/17/2020 05:22	WG1560663
Isopropylbenzene	0.0114		0.000105	0.00100	1	10/17/2020 05:22	WG1560663
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:22	WG1560663
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/17/2020 05:22	WG1560663
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:22	WG1560663
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:22	WG1560663
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:22	WG1560663
Methyl tert-butyl ether	0.0891		0.000101	0.00100	1	10/17/2020 05:22	WG1560663
Naphthalene	U		0.00100	0.00500	1	10/17/2020 05:22	WG1560663
n-Propylbenzene	0.00460		0.0000993	0.00100	1	10/17/2020 05:22	WG1560663
Styrene	U		0.000118	0.00100	1	10/17/2020 05:22	WG1560663
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:22	WG1560663
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:22	WG1560663
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:22	WG1560663
Toluene	0.000395	L	0.000278	0.00100	1	10/17/2020 05:22	WG1560663
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 05:22	WG1560663
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:22	WG1560663
Trichloroethene	U		0.000190	0.00100	1	10/19/2020 19:16	WG1561380
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:22	WG1560663
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:22	WG1560663
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:22	WG1560663
o-Xylene	0.000209	L	0.000174	0.00100	1	10/17/2020 05:22	WG1560663
m&p-Xylene	0.000965	L	0.000430	0.00200	1	10/17/2020 05:22	WG1560663
Xylenes, Total	0.00117	L	0.000174	0.00300	1	10/17/2020 05:22	WG1560663
(S) Toluene-d8	105			80.0-120		10/17/2020 05:22	WG1560663
(S) Toluene-d8	94.6			80.0-120		10/19/2020 19:16	WG1561380
(S) 4-Bromofluorobenzene	98.4			77.0-126		10/17/2020 05:22	WG1560663
(S) 4-Bromofluorobenzene	98.6			77.0-126		10/19/2020 19:16	WG1561380
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/17/2020 05:22	WG1560663
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/19/2020 19:16	WG1561380

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.12		0.0247	0.100	1	10/13/2020 23:44	WG1557494
(S) o-Terphenyl	92.1			31.0-160		10/13/2020 23:44	WG1557494

Collected date/time: 10/06/20 09:10

L1271283

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	30.7		3.75	13.3	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 03:02	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/12/2020 05:21	WG1557360
Fluoride	U		0.0640	0.150	1	10/12/2020 05:21	WG1557360
Sulfate	U		0.594	5.00	1	10/12/2020 05:21	WG1557360

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/14/2020 02:33	WG1556438
Barium	U		0.00778	0.0200	1	10/14/2020 02:33	WG1556438
Calcium	U		0.480	1.00	1	10/14/2020 02:33	WG1556438
Chromium	U		0.00149	0.00200	1	10/14/2020 02:33	WG1556438
Iron	U		0.0489	0.100	1	10/14/2020 02:33	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 02:33	WG1556438
Manganese	U		0.00132	0.00500	1	10/14/2020 02:33	WG1556438
Potassium	U		0.534	2.00	1	10/14/2020 02:33	WG1556438
Selenium	U		0.000657	0.00200	1	10/14/2020 02:33	WG1556438
Sodium	U		0.630	2.00	1	10/14/2020 02:33	WG1556438

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 07:58	WG1560065
(S) a,a,a-Trifluorotoluene(FID)	98.8			78.0-120		10/16/2020 07:58	WG1560065

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

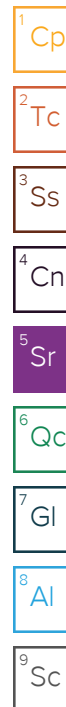
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	10/17/2020 01:11	WG1560663
Benzene	U		0.0000941	0.00100	1	10/17/2020 01:11	WG1560663
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 01:11	WG1560663
Bromoform	U		0.000129	0.00100	1	10/17/2020 01:11	WG1560663
Bromomethane	U		0.000605	0.00500	1	10/17/2020 01:11	WG1560663
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 01:11	WG1560663
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 01:11	WG1560663
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 01:11	WG1560663
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 01:11	WG1560663
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 01:11	WG1560663
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 01:11	WG1560663
Chloroethane	U		0.000192	0.00500	1	10/17/2020 01:11	WG1560663
Chloroform	U		0.000111	0.00500	1	10/17/2020 01:11	WG1560663
Chloromethane	U		0.000960	0.00250	1	10/17/2020 01:11	WG1560663
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 01:11	WG1560663
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 01:11	WG1560663

Collected date/time: 10/06/20 09:10

L1271283

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 01:11	WG1560663
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 01:11	WG1560663
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 01:11	WG1560663
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 01:11	WG1560663
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 01:11	WG1560663
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 01:11	WG1560663
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 01:11	WG1560663
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 01:11	WG1560663
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 01:11	WG1560663
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 01:11	WG1560663
2-Butanone (MEK)	U	<u>3</u>	0.00119	0.0100	1	10/17/2020 01:11	WG1560663
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 01:11	WG1560663
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 01:11	WG1560663
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 01:11	WG1560663
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 01:11	WG1560663
Naphthalene	U		0.00100	0.00500	1	10/17/2020 01:11	WG1560663
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 01:11	WG1560663
Styrene	U		0.000118	0.00100	1	10/17/2020 01:11	WG1560663
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 01:11	WG1560663
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 01:11	WG1560663
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 01:11	WG1560663
Toluene	U		0.000278	0.00100	1	10/17/2020 01:11	WG1560663
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 01:11	WG1560663
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 01:11	WG1560663
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 01:11	WG1560663
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 01:11	WG1560663
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 01:11	WG1560663
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 01:11	WG1560663
o-Xylene	U		0.000174	0.00100	1	10/17/2020 01:11	WG1560663
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 01:11	WG1560663
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 01:11	WG1560663
(S) Toluene-d8	109			80.0-120		10/17/2020 01:11	WG1560663
(S) 4-Bromofluorobenzene	97.1			77.0-126		10/17/2020 01:11	WG1560663
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 01:11	WG1560663



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/14/2020 20:54	WG1557494
(S) o-Terphenyl	85.8			31.0-160		10/14/2020 20:54	WG1557494

Collected date/time: 10/06/20 00:00

L1271283

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	10/17/2020 01:30	WG1560663
Benzene	U		0.0000941	0.00100	1	10/17/2020 01:30	WG1560663
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 01:30	WG1560663
Bromoform	U		0.000129	0.00100	1	10/17/2020 01:30	WG1560663
Bromomethane	U		0.000605	0.00500	1	10/17/2020 01:30	WG1560663
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 01:30	WG1560663
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 01:30	WG1560663
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 01:30	WG1560663
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 01:30	WG1560663
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 01:30	WG1560663
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 01:30	WG1560663
Chloroethane	U		0.000192	0.00500	1	10/17/2020 01:30	WG1560663
Chloroform	U		0.000111	0.00500	1	10/17/2020 01:30	WG1560663
Chloromethane	U		0.000960	0.00250	1	10/17/2020 01:30	WG1560663
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 01:30	WG1560663
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 01:30	WG1560663
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 01:30	WG1560663
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 01:30	WG1560663
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 01:30	WG1560663
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 01:30	WG1560663
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 01:30	WG1560663
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 01:30	WG1560663
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 01:30	WG1560663
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 01:30	WG1560663
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 01:30	WG1560663
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 01:30	WG1560663
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/17/2020 01:30	WG1560663
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 01:30	WG1560663
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 01:30	WG1560663
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 01:30	WG1560663
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 01:30	WG1560663
Naphthalene	U		0.00100	0.00500	1	10/17/2020 01:30	WG1560663
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 01:30	WG1560663
Styrene	U		0.000118	0.00100	1	10/17/2020 01:30	WG1560663
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 01:30	WG1560663
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 01:30	WG1560663
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 01:30	WG1560663
Toluene	U		0.000278	0.00100	1	10/17/2020 01:30	WG1560663
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 01:30	WG1560663
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 01:30	WG1560663
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 01:30	WG1560663
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 01:30	WG1560663
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 01:30	WG1560663
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 01:30	WG1560663
o-Xylene	U		0.000174	0.00100	1	10/17/2020 01:30	WG1560663
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 01:30	WG1560663
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 01:30	WG1560663
(S) Toluene-d8	108			80.0-120		10/17/2020 01:30	WG1560663
(S) 4-Bromofluorobenzene	100			77.0-126		10/17/2020 01:30	WG1560663
(S) 1,2-Dichloroethane-d4	111			70.0-130		10/17/2020 01:30	WG1560663

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

[L1271283-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3581958-1 10/13/20 21:36

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1270630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270630-02 10/13/20 21:36 • (DUP) R3581958-3 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	159	155	1	2.55		5

L1271301-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-53 10/13/20 21:36 • (DUP) R3581958-4 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	4440	4390	1	1.27		5

Laboratory Control Sample (LCS)

(LCS) R3581958-2 10/13/20 21:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8840	100	77.4-123	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 353.2

L1271283-01,02,03,04,05

Method Blank (MB)

(MB) R3581654-1 10/15/20 02:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1270979-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1270979-01 10/15/20 02:57 • (DUP) R3581654-2 10/15/20 02:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.247	0.206	1	18.1		20

L1272738-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1272738-05 10/15/20 04:26 • (DUP) R3581654-5 10/15/20 04:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3581654-4 10/15/20 04:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	2.35	94.0	90.0-110	

L1271283-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271283-02 10/15/20 02:52 • (MS) R3581654-3 10/15/20 02:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.19	87.6	1	90.0-110	J6

L1272738-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272738-06 10/15/20 04:29 • (MS) R3581654-6 10/15/20 04:30 • (MSD) R3581654-7 10/15/20 04:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	1.61	1.69	64.4	67.6	1	90.0-110	J6	J6	4.85	20

Wet Chemistry by Method 4500CN E-2011

L1271283-03

Method Blank (MB)

(MB) R3582022-1 10/15/20 17:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1271016-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271016-01 10/15/20 18:05 • (DUP) R3582022-3 10/15/20 18:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1271044-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271044-01 10/15/20 18:07 • (DUP) R3582022-4 10/15/20 18:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00195	U	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R3582022-2 10/15/20 17:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0956	95.6	87.1-120	

L1271044-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271044-02 10/15/20 18:09 • (MS) R3582022-5 10/15/20 18:12 • (MSD) R3582022-6 10/15/20 18:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00249	0.100	0.101	97.5	98.5	1	90.0-110			0.995	20

L1271298-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-22 10/15/20 18:19 • (MS) R3582022-7 10/15/20 18:20 • (MSD) R3582022-8 10/15/20 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.100	0.0994	100	99.4	1	90.0-110			0.602	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

L1271283-01,02,03,04,05

Method Blank (MB)

(MB) R3580675-1 10/11/20 21:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1270838-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1270838-01 10/11/20 22:44 • (DUP) R3580675-3 10/11/20 22:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	11.7	11.9	1	1.15		15
Fluoride	0.109	0.110	1	0.917	J	15
Sulfate	13.2	13.4	1	1.13		15

L1271283-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1271283-05 10/12/20 05:21 • (DUP) R3580675-6 10/12/20 06:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3580675-2 10/11/20 21:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.8	80.0-120	
Fluoride	8.00	8.06	101	80.0-120	
Sulfate	40.0	39.0	97.5	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 9056A

[L1271283-01,02,03,04,05](#)

L1270838-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1270838-02 10/11/20 23:10 • (MS) R3580675-4 10/11/20 23:23 • (MSD) R3580675-5 10/11/20 23:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	6.56	58.5	57.3	104	101	1	80.0-120			2.06	15
Fluoride	5.00	0.0775	5.23	5.11	103	101	1	80.0-120			2.19	15
Sulfate	50.0	45.3	93.8	92.0	97.0	93.3	1	80.0-120			2.00	15

L1271376-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271376-02 10/12/20 06:26 • (MS) R3580675-7 10/12/20 06:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	29.1	79.1	99.8	1	80.0-120	
Fluoride	5.00	0.138	5.36	104	1	80.0-120	
Sulfate	50.0	40.7	88.3	95.3	1	80.0-120	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Mercury by Method 7470A L1271283-03

Method Blank (MB)

(MB) R3580201-1 10/11/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3580201-2 10/11/20 10:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00292	97.2	80.0-120	

L1271298-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-30 10/11/20 10:36 • (MS) R3580201-3 10/11/20 10:38 • (MSD) R3580201-4 10/11/20 10:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00261	0.00246	87.1	82.1	1	75.0-125			5.92	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010B L1271283-03

Method Blank (MB)

(MB) R3580327-1 10/12/20 04:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3580327-2 10/12/20 04:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.984	98.4	80.0-120	

L1271025-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271025-08 10/12/20 04:10 • (MS) R3580327-4 10/12/20 04:15 • (MSD) R3580327-5 10/12/20 04:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.496	1.46	1.46	96.0	96.1	1	75.0-125			0.0564	20

Metals (ICPMS) by Method 6020

[L1271283-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3581309-1 10/13/20 22:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581309-2 10/13/20 22:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0490	98.1	80.0-120	
Barium	0.0500	0.0507	101	80.0-120	
Cadmium	0.0500	0.0492	98.4	80.0-120	
Calcium	5.00	4.96	99.3	80.0-120	
Chromium	0.0500	0.0501	100	80.0-120	
Cobalt	0.0500	0.0503	101	80.0-120	
Iron	5.00	5.01	100	80.0-120	
Lead	0.0500	0.0500	99.9	80.0-120	
Manganese	0.0500	0.0500	99.9	80.0-120	
Nickel	0.0500	0.0504	101	80.0-120	
Potassium	5.00	4.88	97.6	80.0-120	
Selenium	0.0500	0.0500	100	80.0-120	
Sodium	5.00	4.65	93.0	80.0-120	
Uranium	0.0500	0.0494	98.7	80.0-120	
Vanadium	0.0500	0.0500	99.9	80.0-120	

Metals (ICPMS) by Method 6020 [L1271283-01,02,03,04,05](#)

L1271283-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271283-01 10/13/20 22:08 • (MS) R3581309-4 10/13/20 22:14 • (MSD) R3581309-5 10/13/20 22:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00923	0.0581	0.0576	97.7	96.8	1	75.0-125			0.768	20
Barium	0.0500	0.0180	0.0674	0.0675	98.9	99.1	1	75.0-125			0.157	20
Cadmium	0.0500	U	0.0496	0.0501	99.1	100	1	75.0-125			1.04	20
Calcium	5.00	294	296	296	49.1	39.6	1	75.0-125	V	V	0.161	20
Chromium	0.0500	0.106	0.150	0.147	88.9	82.1	1	75.0-125			2.29	20
Cobalt	0.0500	0.00237	0.0499	0.0500	95.1	95.2	1	75.0-125			0.141	20
Potassium	5.00	U	5.20	5.15	94.0	92.9	1	75.0-125			1.10	20
Iron	5.00	0.479	5.25	5.31	95.5	96.6	1	75.0-125			1.10	20
Lead	0.0500	U	0.0489	0.0506	96.0	99.4	1	75.0-125			3.36	20
Manganese	0.0500	1.24	1.25	1.24	21.9	0.000	1	75.0-125	V	V	0.896	20
Nickel	0.0500	0.140	0.182	0.173	84.2	66.8	1	75.0-125		J6	4.88	20
Selenium	0.0500	U	0.0504	0.0512	99.6	101	1	75.0-125			1.57	20
Sodium	5.00	296	297	300	32.7	83.4	1	75.0-125	V		0.848	20
Uranium	0.0500	U	0.0506	0.0515	100	102	1	75.0-125			1.64	20
Vanadium	0.0500	U	0.0502	0.0502	100	100	1	75.0-125			0.0380	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271283-01,02,03,04](#)

Method Blank (MB)

(MB) R3582008-2 10/14/20 07:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582008-1 10/14/20 06:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.83	87.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271283-05](#)

Method Blank (MB)

(MB) R3582384-3 10/16/20 07:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582384-2 10/16/20 06:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.95	108	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

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 8260B

L1271283-02

Method Blank (MB)

(MB) R3583098-2 10/19/20 01:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

[L1271283-02](#)

Method Blank (MB)

(MB) R3583098-2 10/19/20 01:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	95.9			77.0-126
(S) 1,2-Dichloroethane-d4	92.3			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3583098-1 10/19/20 00:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0244	97.6	19.0-160	
Benzene	0.00500	0.00505	101	70.0-123	
Bromodichloromethane	0.00500	0.00458	91.6	75.0-120	
Bromoform	0.00500	0.00521	104	68.0-132	
Bromomethane	0.00500	0.00821	164	10.0-160	J4
n-Butylbenzene	0.00500	0.00419	83.8	73.0-125	
sec-Butylbenzene	0.00500	0.00457	91.4	75.0-125	
Carbon disulfide	0.00500	0.00497	99.4	61.0-128	
Carbon tetrachloride	0.00500	0.00549	110	68.0-126	
Chlorobenzene	0.00500	0.00557	111	80.0-121	
Chlorodibromomethane	0.00500	0.00510	102	77.0-125	
Chloroethane	0.00500	0.00515	103	47.0-150	
Chloroform	0.00500	0.00505	101	73.0-120	
Chloromethane	0.00500	0.00281	56.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00579	116	80.0-122	
1,1-Dichloroethane	0.00500	0.00466	93.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00505	101	70.0-128	
1,1-Dichloroethene	0.00500	0.00554	111	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00508	102	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00531	106	73.0-120	
1,2-Dichloropropane	0.00500	0.00432	86.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00466	93.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00431	86.2	78.0-124	

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

L1271283-02

Laboratory Control Sample (LCS)

(LCS) R3583098-1 10/19/20 00:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00561	112	79.0-123	
2-Hexanone	0.0250	0.0207	82.8	67.0-149	
Isopropylbenzene	0.00500	0.00544	109	76.0-127	
p-Isopropyltoluene	0.00500	0.00449	89.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0200	80.0	44.0-160	
Methylene Chloride	0.00500	0.00481	96.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0190	76.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00474	94.8	68.0-125	
Naphthalene	0.00500	0.00413	82.6	54.0-135	
n-Propylbenzene	0.00500	0.00416	83.2	77.0-124	
Styrene	0.00500	0.00526	105	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00526	105	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00393	78.6	65.0-130	
Tetrachloroethene	0.00500	0.00647	129	72.0-132	
Toluene	0.00500	0.00526	105	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00509	102	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00545	109	80.0-120	
Trichloroethene	0.00500	0.00623	125	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00419	83.8	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00406	81.2	76.0-122	
Vinyl chloride	0.00500	0.00416	83.2	67.0-131	
Xylenes, Total	0.0150	0.0166	111	79.0-123	
o-Xylene	0.00500	0.00580	116	80.0-122	
m&p-Xylenes	0.0100	0.0108	108	80.0-122	
(S) Toluene-d8			103	80.0-120	
(S) 4-Bromofluorobenzene			102	77.0-126	
(S) 1,2-Dichloroethane-d4			95.0	70.0-130	

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 8260B

L1271283-04,05,06

Method Blank (MB)

(MB) R3582815-3 10/17/20 00:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271283-04.05.06

Method Blank (MB)

(MB) R3582815-3 10/17/20 00:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	113			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582815-1 10/16/20 23:15 • (LCSD) R3582815-2 10/16/20 23:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0220	0.0302	88.0	121	19.0-160		J3	31.4	27
Benzene	0.00500	0.00490	0.00521	98.0	104	70.0-123			6.13	20
Bromodichloromethane	0.00500	0.00472	0.00530	94.4	106	75.0-120			11.6	20
Bromoform	0.00500	0.00486	0.00507	97.2	101	68.0-132			4.23	20
Bromomethane	0.00500	0.00538	0.00490	108	98.0	10.0-160			9.34	25
n-Butylbenzene	0.00500	0.00480	0.00526	96.0	105	73.0-125			9.15	20
sec-Butylbenzene	0.00500	0.00470	0.00502	94.0	100	75.0-125			6.58	20
Carbon disulfide	0.00500	0.00496	0.00522	99.2	104	61.0-128			5.11	20
Carbon tetrachloride	0.00500	0.00498	0.00532	99.6	106	68.0-126			6.60	20
Chlorobenzene	0.00500	0.00504	0.00537	101	107	80.0-121			6.34	20
Chlorodibromomethane	0.00500	0.00500	0.00515	100	103	77.0-125			2.96	20
Chloroethane	0.00500	0.00541	0.00515	108	103	47.0-150			4.92	20
Chloroform	0.00500	0.00495	0.00529	99.0	106	73.0-120			6.64	20
Chloromethane	0.00500	0.00483	0.00454	96.6	90.8	41.0-142			6.19	20
1,2-Dibromoethane	0.00500	0.00498	0.00545	99.6	109	80.0-122			9.01	20
1,1-Dichloroethane	0.00500	0.00510	0.00525	102	105	70.0-126			2.90	20
1,2-Dichloroethane	0.00500	0.00505	0.00551	101	110	70.0-128			8.71	20
1,1-Dichloroethene	0.00500	0.00490	0.00512	98.0	102	71.0-124			4.39	20
cis-1,2-Dichloroethene	0.00500	0.00511	0.00535	102	107	73.0-120			4.59	20
trans-1,2-Dichloroethene	0.00500	0.00501	0.00519	100	104	73.0-120			3.53	20
1,2-Dichloropropane	0.00500	0.00481	0.00547	96.2	109	77.0-125			12.8	20
cis-1,3-Dichloropropene	0.00500	0.00473	0.00524	94.6	105	80.0-123			10.2	20
trans-1,3-Dichloropropene	0.00500	0.00486	0.00483	97.2	96.6	78.0-124			0.619	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC/MS) by Method 8260B L1271283-04.05.06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582815-1 10/16/20 23:15 • (LCSD) R3582815-2 10/16/20 23:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00505	0.00540	101	108	79.0-123			6.70	20
2-Hexanone	0.0250	0.0244	0.0276	97.6	110	67.0-149			12.3	20
Isopropylbenzene	0.00500	0.00509	0.00535	102	107	76.0-127			4.98	20
p-Isopropyltoluene	0.00500	0.00478	0.00519	95.6	104	76.0-125			8.22	20
2-Butanone (MEK)	0.0250	0.0228	0.0279	91.2	112	44.0-160		J3	20.1	20
Methylene Chloride	0.00500	0.00460	0.00484	92.0	96.8	67.0-120			5.08	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0243	0.0269	97.2	108	68.0-142			10.2	20
Methyl tert-butyl ether	0.00500	0.00491	0.00544	98.2	109	68.0-125			10.2	20
Naphthalene	0.00500	0.00502	0.00528	100	106	54.0-135			5.05	20
n-Propylbenzene	0.00500	0.00447	0.00458	89.4	91.6	77.0-124			2.43	20
Styrene	0.00500	0.00494	0.00512	98.8	102	73.0-130			3.58	20
1,1,1,2-Tetrachloroethane	0.00500	0.00506	0.00524	101	105	75.0-125			3.50	20
1,1,2,2-Tetrachloroethane	0.00500	0.00444	0.00448	88.8	89.6	65.0-130			0.897	20
Tetrachloroethene	0.00500	0.00519	0.00535	104	107	72.0-132			3.04	20
Toluene	0.00500	0.00500	0.00517	100	103	79.0-120			3.34	20
1,1,1-Trichloroethane	0.00500	0.00490	0.00513	98.0	103	73.0-124			4.59	20
1,1,2-Trichloroethane	0.00500	0.00506	0.00555	101	111	80.0-120			9.24	20
Trichloroethene	0.00500	0.00517	0.00553	103	111	78.0-124			6.73	20
1,2,4-Trimethylbenzene	0.00500	0.00461	0.00483	92.2	96.6	76.0-121			4.66	20
1,3,5-Trimethylbenzene	0.00500	0.00448	0.00467	89.6	93.4	76.0-122			4.15	20
Vinyl chloride	0.00500	0.00544	0.00501	109	100	67.0-131			8.23	20
Xylenes, Total	0.0150	0.0150	0.0158	100	105	79.0-123			5.19	20
o-Xylene	0.00500	0.00494	0.00532	98.8	106	80.0-122			7.41	20
m&p-Xylenes	0.0100	0.0101	0.0105	101	105	80.0-122			3.88	20
(S) Toluene-d8				108	106	80.0-120				
(S) 4-Bromofluorobenzene				101	102	77.0-126				
(S) 1,2-Dichloroethane-d4				107	114	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.25	U	1.39	1.34	111	107	50	10.0-160			3.66	35
Benzene	0.250	0.00478	0.261	0.214	102	83.7	50	17.0-158			19.8	27
Bromodichloromethane	0.250	U	0.258	0.223	103	89.2	50	31.0-150			14.6	27
Bromoform	0.250	U	0.272	0.238	109	95.2	50	29.0-150			13.3	29
Bromomethane	0.250	U	0.244	0.189	97.6	75.6	50	10.0-160			25.4	38
n-Butylbenzene	0.250	U	0.224	0.193	89.6	77.2	50	31.0-150			14.9	30

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

L1271283-04.05.06

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.250	U	0.231	0.184	92.4	73.6	50	33.0-155			22.7	29
Carbon disulfide	0.250	U	0.214	0.129	85.6	51.6	50	10.0-156		J3	49.6	28
Carbon tetrachloride	0.250	U	0.223	0.164	89.2	65.6	50	23.0-159		J3	30.5	28
Chlorobenzene	0.250	U	0.254	0.215	102	86.0	50	33.0-152			16.6	27
Chlorodibromomethane	0.250	U	0.268	0.250	107	100	50	37.0-149			6.95	27
Chloroethane	0.250	U	0.255	0.183	102	73.2	50	10.0-160		J3	32.9	30
Chloroform	0.250	U	0.268	0.218	107	87.2	50	29.0-154			20.6	28
Chloromethane	0.250	U	0.222	0.157	88.8	62.8	50	10.0-160		J3	34.3	29
1,2-Dibromoethane	0.250	U	0.288	0.252	115	101	50	34.0-147			13.3	27
1,1-Dichloroethane	0.250	U	0.255	0.201	102	80.4	50	25.0-158			23.7	27
1,2-Dichloroethane	0.250	U	0.284	0.248	114	99.2	50	29.0-151			13.5	27
1,1-Dichloroethene	0.250	0.0500	0.286	0.207	94.4	62.8	50	11.0-160		J3	32.0	29
cis-1,2-Dichloroethene	0.250	2.70	2.90	2.96	80.0	104	50	10.0-160			2.05	27
trans-1,2-Dichloroethene	0.250	0.0199	0.263	0.193	97.2	69.2	50	17.0-153		J3	30.7	27
1,2-Dichloropropane	0.250	U	0.266	0.223	106	89.2	50	30.0-156			17.6	27
cis-1,3-Dichloropropene	0.250	U	0.261	0.218	104	87.2	50	34.0-149			18.0	28
trans-1,3-Dichloropropene	0.250	U	0.247	0.232	98.8	92.8	50	32.0-149			6.26	28
Ethylbenzene	0.250	U	0.252	0.219	101	87.6	50	30.0-155			14.0	27
2-Hexanone	1.25	U	1.43	1.29	114	103	50	21.0-160			10.3	29
Isopropylbenzene	0.250	U	0.246	0.203	98.4	81.2	50	28.0-157			19.2	27
p-Isopropyltoluene	0.250	U	0.241	0.194	96.4	77.6	50	30.0-154			21.6	29
2-Butanone (MEK)	1.25	U	1.34	1.27	107	102	50	10.0-160			5.36	32
Methylene Chloride	0.250	U	0.235	0.201	94.0	80.4	50	23.0-144			15.6	28
4-Methyl-2-pentanone (MIBK)	1.25	U	1.41	1.27	113	102	50	29.0-160			10.4	29
Methyl tert-butyl ether	0.250	U	0.307	0.316	123	126	50	28.0-150			2.89	29
Naphthalene	0.250	U	0.275	0.257	110	103	50	12.0-156			6.77	35
n-Propylbenzene	0.250	U	0.223	0.176	89.2	70.4	50	31.0-154			23.6	28
Styrene	0.250	U	0.248	0.214	99.2	85.6	50	33.0-155			14.7	28
1,1,1,2-Tetrachloroethane	0.250	U	0.265	0.232	106	92.8	50	36.0-151			13.3	29
1,1,2,2-Tetrachloroethane	0.250	U	0.256	0.227	102	90.8	50	33.0-150			12.0	28
Tetrachloroethene	0.250	U	0.261	0.207	104	82.8	50	10.0-160			23.1	27
Toluene	0.250	U	0.289	0.292	116	117	50	26.0-154			1.03	28
1,1,1-Trichloroethane	0.250	U	0.255	0.182	102	72.8	50	23.0-160		J3	33.4	28
1,1,2-Trichloroethane	0.250	0.0141	0.286	0.277	109	105	50	35.0-147			3.20	27
Trichloroethene	0.250	74.2	71.3	75.8	0.000	640	50	10.0-160	EV	EV	6.12	25
1,2,4-Trimethylbenzene	0.250	U	0.243	0.221	97.2	88.4	50	26.0-154			9.48	27
1,3,5-Trimethylbenzene	0.250	U	0.226	0.184	90.4	73.6	50	28.0-153			20.5	27
Vinyl chloride	0.250	0.127	0.378	0.287	100	64.0	50	10.0-160		J3	27.4	27
Xylenes, Total	0.750	U	0.788	0.734	105	97.9	50	29.0-154			7.10	28
o-Xylene	0.250	U	0.269	0.247	108	98.8	50	45.0-144			8.53	26

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271283-04,05,06

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
m&p-Xylenes	0.500	U	0.519	0.487	104	97.4	50	43.0-146			6.36	26
(S) Toluene-d8					105	109		80.0-120				
(S) 4-Bromofluorobenzene					98.1	101		77.0-126				
(S) 1,2-Dichloroethane-d4					111	110		70.0-130				

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 8260B

L1271283-01.03

Method Blank (MB)

(MB) R3582701-2 10/17/20 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271283-01,03

Method Blank (MB)

(MB) R3582701-2 10/17/20 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
(S) Toluene-d8	107			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	90.4			70.0-130

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3582701-1 10/17/20 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0201	80.4	19.0-160	
Benzene	0.00500	0.00504	101	70.0-123	
Bromodichloromethane	0.00500	0.00441	88.2	75.0-120	
Bromoform	0.00500	0.00420	84.0	68.0-132	
Bromomethane	0.00500	0.00604	121	10.0-160	
n-Butylbenzene	0.00500	0.00432	86.4	73.0-125	
sec-Butylbenzene	0.00500	0.00416	83.2	75.0-125	
Carbon disulfide	0.00500	0.00485	97.0	61.0-128	
Carbon tetrachloride	0.00500	0.00437	87.4	68.0-126	
Chlorobenzene	0.00500	0.00509	102	80.0-121	
Chlorodibromomethane	0.00500	0.00427	85.4	77.0-125	
Chloroethane	0.00500	0.00532	106	47.0-150	
Chloroform	0.00500	0.00477	95.4	73.0-120	
Chloromethane	0.00500	0.00409	81.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00481	96.2	80.0-122	
1,1-Dichloroethane	0.00500	0.00458	91.6	70.0-126	
1,2-Dichloroethane	0.00500	0.00458	91.6	70.0-128	
1,1-Dichloroethene	0.00500	0.00529	106	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00459	91.8	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00484	96.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00491	98.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00453	90.6	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00431	86.2	78.0-124	

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

L1271283-01,03

Laboratory Control Sample (LCS)

(LCS) R3582701-1 10/17/20 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	0.00500	0.00510	102	79.0-123	
2-Hexanone	0.0250	0.0221	88.4	67.0-149	
Isopropylbenzene	0.00500	0.00446	89.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00440	88.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0217	86.8	44.0-160	
Methylene Chloride	0.00500	0.00527	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0220	88.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00468	93.6	68.0-125	
Naphthalene	0.00500	0.00345	69.0	54.0-135	
n-Propylbenzene	0.00500	0.00451	90.2	77.0-124	
Styrene	0.00500	0.00460	92.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00454	90.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00389	77.8	65.0-130	
Tetrachloroethene	0.00500	0.00575	115	72.0-132	
Toluene	0.00500	0.00476	95.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00462	92.4	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00510	102	80.0-120	
Trichloroethene	0.00500	0.00580	116	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00422	84.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00454	90.8	76.0-122	
Vinyl chloride	0.00500	0.00418	83.6	67.0-131	
Xylenes, Total	0.0150	0.0148	98.7	79.0-123	
o-Xylene	0.00500	0.00481	96.2	80.0-122	
m&p-Xylene	0.0100	0.00999	99.9	80.0-122	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			103	77.0-126	
(S) 1,2-Dichloroethane-d4			88.3	70.0-130	

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 8260B

L1271283-04

Method Blank (MB)

(MB) R3583292-2 10/19/20 14:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	99.4			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	99.1			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583292-3 10/19/20 14:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Trichloroethene	0.00500	0.00398	79.6	78.0-124	
(S) Toluene-d8			98.1	80.0-120	
(S) 4-Bromofluorobenzene			102	77.0-126	
(S) 1,2-Dichloroethane-d4			103	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271283-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3580820-1 10/13/20 06:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	81.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3580820-2 10/13/20 06:46 • (LCSD) R3580820-3 10/13/20 07:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.45	1.46	96.7	97.3	50.0-150			0.687	20
(S) o-Terphenyl				91.5	92.0	31.0-160				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Guide to Reading and Understanding Your Laboratory Report

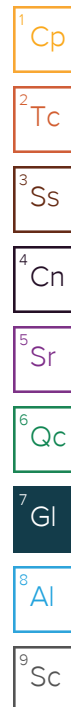
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

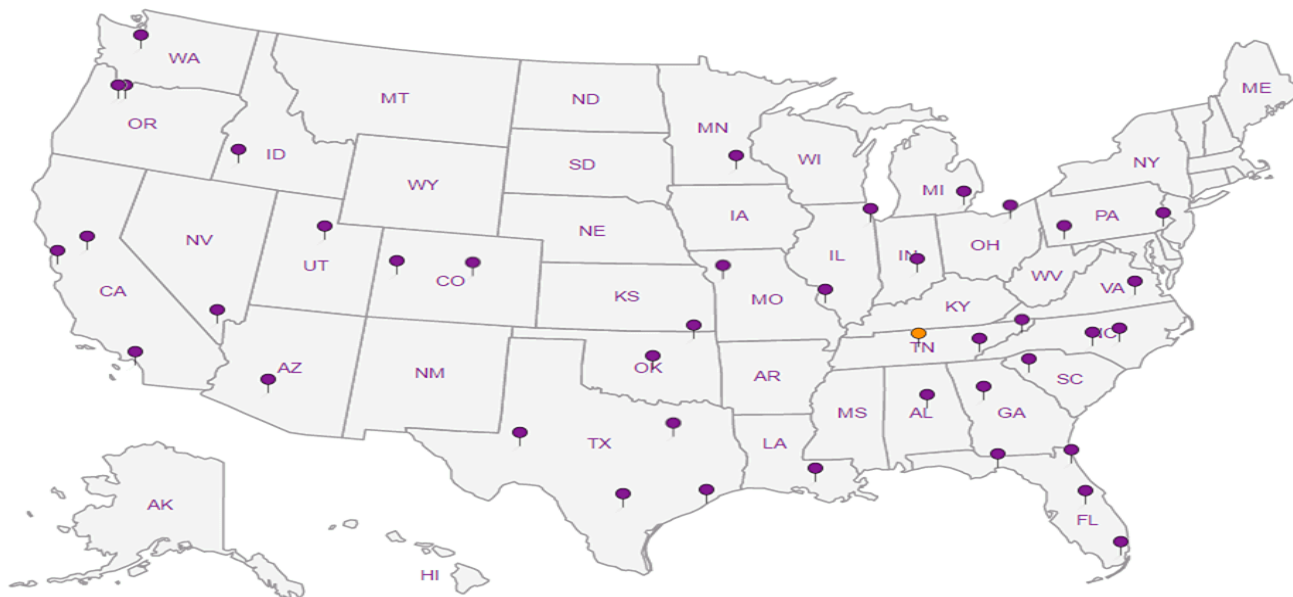
Third Party Federal Accreditations

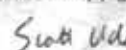
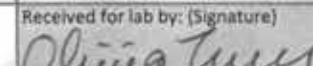
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative										Chain of Custody Page 1 of 1				
Report to: Julie Speer			Email To: jspeer@trcsolutions.com																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859				
Project Description: TEL Fall 2020			City/State Collected: Artesia, NM						VOC - 40mlAmb HCl DRO - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total Short List Metals 250mlHDPE-HNO3 Cations (from "total metals" bottle) Anions. TDS - 250mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total Long List Metals 250mlHDPE-HNO3 Cyanide - 250mlHDPEAmb-NaOH SVOCs - 8270										L# 1271263 Table # 1191 Acctnum: TRCATX Template: T115528 Prelogin: P799955 TSR: 526 PB: Shipped Via:				
Phone: 512-684-3170 Fax:			Client Project # 330538.0000.0000			Lab Project # TRCATX-TEL													12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859				
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # TEL (Navajo - Artesia)			P.O. # 150726													L# 1271263 Table # 1191 Acctnum: TRCATX Template: T115528 Prelogin: P799955 TSR: 526 PB: Shipped Via:				
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote # Date Results Needed													L# 1271263 Table # 1191 Acctnum: TRCATX Template: T115528 Prelogin: P799955 TSR: 526 PB: Shipped Via:				
Immediately Packed on Ice: N ☐ Y ☒																			L# 1271263 Table # 1191 Acctnum: TRCATX Template: T115528 Prelogin: P799955 TSR: 526 PB: Shipped Via:				
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	SVOCs - 8270	Remarks	Sample # (Lab only)					
TEL-4	Grab	GW		10/6/20	955	9	x	x	x	x	x	x	x					-01					
TEL-3	Grab	GW		10/6/20	845	9	x	x	x	x	x	x	x					02					
TEL-2 LNAPL	Grab	GW				9	x	x	x	x	x	x	x					03					
TEL-1 LNAPL	Grab	GW				9	x	x	x	x	x	x	x					.					
MW-49	Grab	GW		10/6/20	1300	10	x	x	x		x	x	x	x	x		SU	03					
DUP-TEL-01	Grab	GW		10/6/20	1100	10	x	x	x	x	x	x	x					04					
EB-TEL-01	Grab	GW		10/6/20	910	9	x	x	x	x	x	x	x					05					
Trip Blank-TEL-01	Grab	GW		10/6/20	—	1	x											06					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☒ N COC Signed/Accurate: ☒ N Bottles arrive intact: ☒ N Correct bottles used: ☒ N Sufficient volume sent: ☒ N If Applicable VOA Zero Headspace: ☒ N Preservation Correct/Checked: ☒ N														
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			Relinquished by: (Signature) 			Date: 10/7/20 Time: 1400			Received by: (Signature)			Trip Blank Received: ☒ Yes ☒ No HCL/ MeOH TBR			Temp: 11-25.9 Bottles Received: 46			If preservation required by Login: Date/Time		
Relinquished by: (Signature)			Date:			Time:			Received by: (Signature)			Date:			Time:			Hold:			Condition: NCF / OK		
Relinquished by: (Signature)			Date:			Time:			Received for lab by: (Signature) 			Date: 10/8/20 Time: 900			Hold:			Condition: NCF / OK					



ANALYTICAL REPORT

February 02, 2021

Revised Report

TRC Solutions - Austin, TX

Sample Delivery Group: L1271284
Samples Received: 10/08/2020
Project Number: 330538.0000.0000
Description: NCL Fall 2020
Site: NCL - NAVAJO-ARTESIA
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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

MW-45 L1271284-01 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 16:10 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:17	10/16/20 21:17	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1560164	1	10/15/20 23:14	10/16/20 04:44	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/12/20 18:19	10/12/20 18:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	5	10/12/20 18:02	10/12/20 18:02	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557452	1	10/11/20 15:27	10/12/20 09:23	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 04:59	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 02:37	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560663	1	10/17/20 05:42	10/17/20 05:42	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561380	1	10/19/20 19:37	10/19/20 19:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557494	1	10/12/20 09:00	10/14/20 00:35	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

NCL-33 L1271284-02 GW

Collected by Scott Uds/HMI Team Collected date/time 10/07/20 10:30 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:21	10/16/20 21:21	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 18:37	10/12/20 18:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/12/20 18:55	10/12/20 18:55	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556438	1	10/11/20 21:47	10/14/20 02:40	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 12:17	10/17/20 12:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 01:45	10/20/20 01:45	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	10	10/14/20 07:17	10/18/20 02:14	DMG	Mt. Juliet, TN

NCL-44 L1271284-03 GW

Collected by Scott Uds/HMI Team Collected date/time 10/07/20 09:50 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:22	10/16/20 21:22	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 19:12	10/12/20 19:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	50	10/12/20 19:30	10/12/20 19:30	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 15:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 12:37	10/17/20 12:37	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 03:20	DMG	Mt. Juliet, TN

NCL-32 L1271284-04 GW

Collected by Scott Uds/HMI Team Collected date/time 10/07/20 09:05 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	2	10/16/20 21:54	10/16/20 21:54	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 19:48	10/12/20 19:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	50	10/12/20 20:06	10/12/20 20:06	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 15:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 12:56	10/17/20 12:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 02:06	10/20/20 02:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 03:40	DMG	Mt. Juliet, TN

MW-108 L1271284-05 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 14:10 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:55	10/16/20 21:55	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 21:08	10/12/20 21:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	10	10/12/20 22:33	10/12/20 22:33	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 15:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	5	10/17/20 15:51	10/17/20 15:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	5	10/20/20 04:47	10/20/20 04:47	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 01:11	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

NCL-31 L1271284-06 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 13:25 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:31	10/16/20 21:31	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 23:16	10/12/20 23:16	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	50	10/12/20 23:37	10/12/20 23:37	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 15:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 13:15	10/17/20 13:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 02:26	10/20/20 02:26	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 10:17	DMG	Mt. Juliet, TN

MW-55 L1271284-07 GW

Collected by Scott Uds/HMI Team Collected date/time 10/07/20 08:25 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:32	10/16/20 21:32	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1560164	1	10/15/20 23:14	10/16/20 04:45	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/12/20 23:58	10/12/20 23:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	50	10/13/20 00:19	10/13/20 00:19	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557452	1	10/11/20 15:27	10/12/20 09:25	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 05:02	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 19:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	1	10/14/20 10:28	10/14/20 10:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	10	10/17/20 16:10	10/17/20 16:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	10	10/20/20 06:08	10/20/20 06:08	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 04:00	DMG	Mt. Juliet, TN

MW-54A L1271284-08 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 09:30 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:33	10/16/20 21:33	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 01:23	10/13/20 01:23	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	20	10/13/20 01:45	10/13/20 01:45	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 19:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562049	1	10/20/20 11:55	10/20/20 11:55	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 02:02	DMG	Mt. Juliet, TN

NCL-49 L1271284-09 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 10:10 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	5	10/16/20 21:36	10/16/20 21:36	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 02:06	10/13/20 02:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/13/20 02:27	10/13/20 02:27	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 19:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 13:54	10/17/20 13:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 02:46	10/20/20 02:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 09:52	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

DUP-NCL-01 L1271284-10 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 11:00 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	5	10/16/20 21:37	10/16/20 21:37	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 02:49	10/13/20 02:49	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/13/20 03:24	10/13/20 03:24	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 19:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 14:13	10/17/20 14:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 03:06	10/20/20 03:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 02:53	DMG	Mt. Juliet, TN

EB-NCL-01 L1271284-11 GW

Collected by Scott Uds/HMI Team Collected date/time 10/07/20 09:15 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:39	10/16/20 21:39	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 03:46	10/13/20 03:46	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 19:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 11:19	10/17/20 11:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 03:26	10/20/20 03:26	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 04:20	DMG	Mt. Juliet, TN

TRIP BLANK-NCL-01 L1271284-12 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 00:00 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 11:38	10/17/20 11:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 00:04	10/20/20 00:04	ACG	Mt. Juliet, TN

MW-53R L1271284-13 GW

Collected by Scott Uds/HMI Team Collected date/time 10/06/20 08:50 Received date/time 10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558995	1	10/16/20 21:44	10/16/20 21:44	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 05:41	10/13/20 05:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	50	10/13/20 06:02	10/13/20 06:02	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 14:33	10/17/20 14:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 03:46	10/20/20 03:46	ACG	Mt. Juliet, TN

MW-53R L1271284-13 GW

Collected by
Scott Uds/HMI Team

Collected date/time
10/06/20 08:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 03:19	DMG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

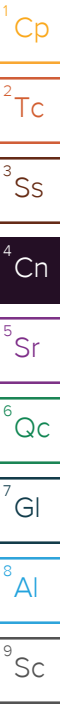
⁸Al

⁹Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Report Revision History

Level II Report - Version 1: 10/22/20 17:19

Level II Report - Version 2: 02/01/21 21:44

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1271284-12	TRIP BLANK-NCL-01	8260B

Collected date/time: 10/06/20 16:10

L1271284

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4970		5.64	20.0	1	10/13/2020 21:36	WG1558091

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:17	WG1558995

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 04:44	WG1560164

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	429		1.90	5.00	5	10/12/2020 18:02	WG1557660
Fluoride	1.70		0.320	0.750	5	10/12/2020 18:02	WG1557660
Sulfate	2350		59.4	500	100	10/12/2020 18:19	WG1557660

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/12/2020 09:23	WG1557452

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.620		0.0254	0.200	1	10/12/2020 04:59	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00493		0.000735	0.00200	1	10/14/2020 02:37	WG1556438
Barium	0.0149	J	0.00778	0.0200	1	10/14/2020 02:37	WG1556438
Cadmium	U		0.000478	0.00100	1	10/14/2020 02:37	WG1556438
Calcium	577		0.480	1.00	1	10/14/2020 02:37	WG1556438
Chromium	U		0.00149	0.00200	1	10/14/2020 02:37	WG1556438
Cobalt	U		0.000477	0.00200	1	10/14/2020 02:37	WG1556438
Iron	1.26		0.0489	0.100	1	10/14/2020 02:37	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 02:37	WG1556438
Manganese	0.526		0.00132	0.00500	1	10/14/2020 02:37	WG1556438
Nickel	0.00569		0.000952	0.00200	1	10/14/2020 02:37	WG1556438
Potassium	4.70		0.534	2.00	1	10/14/2020 02:37	WG1556438
Selenium	U		0.000657	0.00200	1	10/14/2020 02:37	WG1556438
Sodium	359		0.630	2.00	1	10/14/2020 02:37	WG1556438
Uranium	U		0.00754	0.0200	1	10/14/2020 02:37	WG1556438
Vanadium	0.00106	J	0.000986	0.00500	1	10/14/2020 02:37	WG1556438

Collected date/time: 10/06/20 16:10

L1271284

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

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

Collected date/time: 10/06/20 16:10

L1271284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.728		0.0247	0.100	1	10/14/2020 00:35	WG1557494
(S) o-Terphenyl	88.9			31.0-160		10/14/2020 00:35	WG1557494

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 10/07/20 10:30

L1271284

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3960		5.64	20.0	1	10/14/2020 02:47	WG1558086

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:21	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	667		37.9	100	100	10/12/2020 18:55	WG1557660
Fluoride	2.64		0.0640	0.150	1	10/12/2020 18:37	WG1557660
Sulfate	1340		59.4	500	100	10/12/2020 18:55	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00531		0.000735	0.00200	1	10/14/2020 02:40	WG1556438
Barium	0.0231		0.00778	0.0200	1	10/14/2020 02:40	WG1556438
Calcium	688		0.480	1.00	1	10/14/2020 02:40	WG1556438
Chromium	U		0.00149	0.00200	1	10/14/2020 02:40	WG1556438
Iron	4.03		0.0489	0.100	1	10/14/2020 02:40	WG1556438
Lead	U		0.00249	0.00500	1	10/14/2020 02:40	WG1556438
Manganese	0.188		0.00132	0.00500	1	10/14/2020 02:40	WG1556438
Potassium	6.43		0.534	2.00	1	10/14/2020 02:40	WG1556438
Selenium	0.00144	J	0.000657	0.00200	1	10/14/2020 02:40	WG1556438
Sodium	178		0.630	2.00	1	10/14/2020 02:40	WG1556438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:17	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:17	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:17	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:17	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:17	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:17	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 12:17	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:17	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:17	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:17	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:17	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:17	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:17	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:17	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:17	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:17	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:17	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:17	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:17	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:17	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:17	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:17	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:17	WG1560666

Collected date/time: 10/07/20 10:30

L1271284

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:17	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 12:17	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:17	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:17	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:17	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:17	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:17	WG1560666
Methyl tert-butyl ether	0.000230	J	0.000101	0.00100	1	10/17/2020 12:17	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:17	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:17	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 12:17	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:17	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:17	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:17	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 12:17	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:17	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:17	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 01:45	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 12:17	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:17	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:17	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:17	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:17	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:17	WG1560666
(S) Toluene-d8	110			80.0-120		10/17/2020 12:17	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 01:45	WG1561731
(S) 4-Bromofluorobenzene	97.9			77.0-126		10/17/2020 12:17	WG1560666
(S) 4-Bromofluorobenzene	103			77.0-126		10/20/2020 01:45	WG1561731
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/17/2020 12:17	WG1560666
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/20/2020 01:45	WG1561731

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.54		0.247	1.00	10	10/18/2020 02:14	WG1557910
(S) o-Terphenyl	183	J1		31.0-160		10/18/2020 02:14	WG1557910

Sample Narrative:

L1271284-02 WG1557910: Surrogate failure due to matrix interference

Collected date/time: 10/07/20 09:50

L1271284

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2730		5.64	20.0	1	10/14/2020 02:47	WG1558086

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:22	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	126	<u>B</u>	19.0	50.0	50	10/12/2020 19:30	WG1557660
Fluoride	1.63		0.0640	0.150	1	10/12/2020 19:12	WG1557660
Sulfate	1170		29.7	250	50	10/12/2020 19:30	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0211		0.000735	0.00200	1	10/15/2020 15:39	WG1556439
Barium	0.0201		0.00778	0.0200	1	10/15/2020 15:39	WG1556439
Calcium	358		0.480	1.00	1	10/15/2020 15:39	WG1556439
Chromium	0.00369		0.00149	0.00200	1	10/15/2020 15:39	WG1556439
Iron	0.641		0.0489	0.100	1	10/15/2020 15:39	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 15:39	WG1556439
Manganese	0.820		0.00132	0.00500	1	10/15/2020 15:39	WG1556439
Potassium	2.29		0.534	2.00	1	10/15/2020 15:39	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 15:39	WG1556439
Sodium	142		0.630	2.00	1	10/15/2020 15:39	WG1556439

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

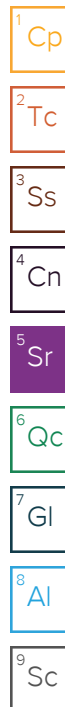
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:37	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:37	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:37	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:37	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:37	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:37	WG1560666
sec-Butylbenzene	0.000615	<u>J</u>	0.000125	0.00100	1	10/17/2020 12:37	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:37	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:37	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:37	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:37	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:37	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:37	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:37	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:37	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:37	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:37	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:37	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:37	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:37	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:37	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:37	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:37	WG1560666

Collected date/time: 10/07/20 09:50

L1271284

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:37	WG1560666
Isopropylbenzene	0.00164		0.000105	0.00100	1	10/17/2020 12:37	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:37	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:37	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:37	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:37	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:37	WG1560666
Methyl tert-butyl ether	0.000412	J	0.000101	0.00100	1	10/17/2020 12:37	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:37	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:37	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 12:37	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:37	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:37	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:37	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 12:37	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:37	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:37	WG1560666
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 12:37	WG1560666
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 12:37	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:37	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:37	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:37	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:37	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:37	WG1560666
(S) Toluene-d8	106			80.0-120		10/17/2020 12:37	WG1560666
(S) 4-Bromofluorobenzene	96.9			77.0-126		10/17/2020 12:37	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/17/2020 12:37	WG1560666



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.12		0.0247	0.100	1	10/15/2020 03:20	WG1557910
(S) o-Terphenyl	104			31.0-160		10/15/2020 03:20	WG1557910

Collected date/time: 10/07/20 09:05

L1271284

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3040		5.64	20.0	1	10/14/2020 02:47	WG1558086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	5.82		0.100	0.200	2	10/16/2020 21:54	WG1558995

6 Qc

7 Gl

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	90.7		0.379	1.00	1	10/12/2020 19:48	WG1557660
Fluoride	1.27		0.0640	0.150	1	10/12/2020 19:48	WG1557660
Sulfate	1640		29.7	250	50	10/12/2020 20:06	WG1557660

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00236		0.000735	0.00200	1	10/15/2020 15:43	WG1556439
Barium	0.0160	J	0.00778	0.0200	1	10/15/2020 15:43	WG1556439
Calcium	483		0.480	1.00	1	10/15/2020 15:43	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 15:43	WG1556439
Iron	0.0494	J	0.0489	0.100	1	10/15/2020 15:43	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 15:43	WG1556439
Manganese	1.73		0.00132	0.00500	1	10/15/2020 15:43	WG1556439
Potassium	3.47		0.534	2.00	1	10/15/2020 15:43	WG1556439
Selenium	0.00271		0.000657	0.00200	1	10/15/2020 15:43	WG1556439
Sodium	118		0.630	2.00	1	10/15/2020 15:43	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:56	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:56	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:56	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:56	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:56	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:56	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 12:56	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:56	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:56	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:56	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:56	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:56	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:56	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:56	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:56	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:56	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:56	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:56	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:56	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:56	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:56	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:56	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:56	WG1560666

Collected date/time: 10/07/20 09:05

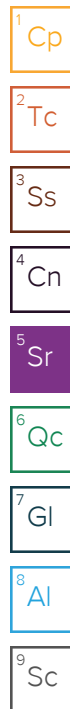
L1271284

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:56	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 12:56	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:56	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:56	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:56	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:56	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:56	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 12:56	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:56	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:56	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 12:56	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:56	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:56	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:56	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 12:56	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:56	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:56	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 02:06	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 12:56	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:56	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:56	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:56	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:56	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:56	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 12:56	WG1560666
(S) Toluene-d8	111			80.0-120		10/20/2020 02:06	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 12:56	WG1560666
(S) 4-Bromofluorobenzene	106			77.0-126		10/20/2020 02:06	WG1561731
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/17/2020 12:56	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 02:06	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.800		0.0247	0.100	1	10/15/2020 03:40	WG1557910
(S) o-Terphenyl	90.0			31.0-160		10/15/2020 03:40	WG1557910



Collected date/time: 10/06/20 14:10

L1271284

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1150		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:55	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	15.8		0.379	1.00	1	10/12/2020 21:08	WG1557660
Fluoride	1.48		0.0640	0.150	1	10/12/2020 21:08	WG1557660
Sulfate	221		5.94	50.0	10	10/12/2020 22:33	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00115	J	0.000735	0.00200	1	10/15/2020 15:47	WG1556439
Barium	0.0469		0.00778	0.0200	1	10/15/2020 15:47	WG1556439
Calcium	139		0.480	1.00	1	10/15/2020 15:47	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 15:47	WG1556439
Iron	U		0.0489	0.100	1	10/15/2020 15:47	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 15:47	WG1556439
Manganese	0.0593		0.00132	0.00500	1	10/15/2020 15:47	WG1556439
Potassium	U		0.534	2.00	1	10/15/2020 15:47	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 15:47	WG1556439
Sodium	46.8		0.630	2.00	1	10/15/2020 15:47	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 15:51	WG1560666
Benzene	0.100		0.000471	0.00500	5	10/17/2020 15:51	WG1560666
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 15:51	WG1560666
Bromoform	U		0.000645	0.00500	5	10/17/2020 15:51	WG1560666
Bromomethane	U		0.00303	0.0250	5	10/17/2020 15:51	WG1560666
n-Butylbenzene	U		0.000785	0.00500	5	10/17/2020 15:51	WG1560666
sec-Butylbenzene	0.00187	J	0.000625	0.00500	5	10/17/2020 15:51	WG1560666
Carbon disulfide	U		0.000481	0.00500	5	10/17/2020 15:51	WG1560666
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 15:51	WG1560666
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 15:51	WG1560666
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 15:51	WG1560666
Chloroethane	U		0.000960	0.0250	5	10/17/2020 15:51	WG1560666
Chloroform	U		0.000555	0.0250	5	10/17/2020 15:51	WG1560666
Chloromethane	U		0.00480	0.0125	5	10/17/2020 15:51	WG1560666
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 15:51	WG1560666
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 15:51	WG1560666
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 15:51	WG1560666
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 15:51	WG1560666
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 15:51	WG1560666
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 15:51	WG1560666
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 15:51	WG1560666
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 15:51	WG1560666
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/17/2020 15:51	WG1560666

Collected date/time: 10/06/20 14:10

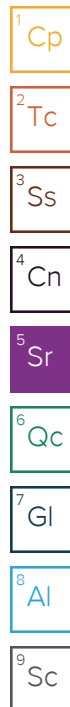
L1271284

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000685	0.00500	5	10/17/2020 15:51	WG1560666
Isopropylbenzene	0.0119		0.000525	0.00500	5	10/17/2020 15:51	WG1560666
p-Isopropyltoluene	U		0.000600	0.00500	5	10/17/2020 15:51	WG1560666
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 15:51	WG1560666
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 15:51	WG1560666
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 15:51	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 15:51	WG1560666
Methyl tert-butyl ether	U		0.000505	0.00500	5	10/17/2020 15:51	WG1560666
Naphthalene	U		0.00500	0.0250	5	10/17/2020 15:51	WG1560666
n-Propylbenzene	0.00864		0.000497	0.00500	5	10/17/2020 15:51	WG1560666
Styrene	U		0.000590	0.00500	5	10/17/2020 15:51	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 15:51	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 15:51	WG1560666
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 15:51	WG1560666
Toluene	0.00141	U	0.00139	0.00500	5	10/17/2020 15:51	WG1560666
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 15:51	WG1560666
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 15:51	WG1560666
Trichloroethene	U		0.000950	0.00500	5	10/20/2020 04:47	WG1561731
1,2,4-Trimethylbenzene	0.00527		0.00161	0.00500	5	10/17/2020 15:51	WG1560666
1,3,5-Trimethylbenzene	0.000782	U	0.000520	0.00500	5	10/17/2020 15:51	WG1560666
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 15:51	WG1560666
o-Xylene	U		0.000870	0.00500	5	10/17/2020 15:51	WG1560666
m&p-Xylene	0.0176		0.00215	0.0100	5	10/17/2020 15:51	WG1560666
Xylenes, Total	0.0176		0.000870	0.0150	5	10/17/2020 15:51	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 15:51	WG1560666
(S) Toluene-d8	110			80.0-120		10/20/2020 04:47	WG1561731
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 15:51	WG1560666
(S) 4-Bromofluorobenzene	104			77.0-126		10/20/2020 04:47	WG1561731
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/17/2020 15:51	WG1560666
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/20/2020 04:47	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.18		0.0247	0.100	1	10/15/2020 01:11	WG1557495
(S) o-Terphenyl	106			31.0-160		10/15/2020 01:11	WG1557495



Collected date/time: 10/06/20 13:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2460		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:31	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	28.6		0.379	1.00	1	10/12/2020 23:16	WG1557660
Fluoride	1.23		0.0640	0.150	1	10/12/2020 23:16	WG1557660
Sulfate	1360		29.7	250	50	10/12/2020 23:37	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0120		0.000735	0.00200	1	10/15/2020 15:51	WG1556439
Barium	0.0129	J	0.00778	0.0200	1	10/15/2020 15:51	WG1556439
Calcium	290		0.480	1.00	1	10/15/2020 15:51	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 15:51	WG1556439
Iron	0.689		0.0489	0.100	1	10/15/2020 15:51	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 15:51	WG1556439
Manganese	2.15		0.00132	0.00500	1	10/15/2020 15:51	WG1556439
Potassium	U		0.534	2.00	1	10/15/2020 15:51	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 15:51	WG1556439
Sodium	69.7		0.630	2.00	1	10/15/2020 15:51	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 13:15	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 13:15	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 13:15	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 13:15	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 13:15	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 13:15	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 13:15	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 13:15	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 13:15	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 13:15	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 13:15	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 13:15	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 13:15	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 13:15	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 13:15	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 13:15	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 13:15	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 13:15	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 13:15	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 13:15	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 13:15	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 13:15	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 13:15	WG1560666

Collected date/time: 10/06/20 13:25

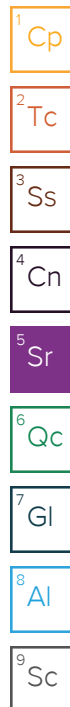
L1271284

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	0.000275	U	0.000137	0.00100	1	10/17/2020 13:15	WG1560666
Isopropylbenzene	0.000108	U	0.000105	0.00100	1	10/17/2020 13:15	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 13:15	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 13:15	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 13:15	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 13:15	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 13:15	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 13:15	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 13:15	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 13:15	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 13:15	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 13:15	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 13:15	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 13:15	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 13:15	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 13:15	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 13:15	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 02:26	WG1561731
1,2,4-Trimethylbenzene	0.000771	U	0.000322	0.00100	1	10/17/2020 13:15	WG1560666
1,3,5-Trimethylbenzene	0.000160	U	0.000104	0.00100	1	10/17/2020 13:15	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 13:15	WG1560666
o-Xylene	0.000396	U	0.000174	0.00100	1	10/17/2020 13:15	WG1560666
m&p-Xylene	0.000833	U	0.000430	0.00200	1	10/17/2020 13:15	WG1560666
Xylenes, Total	0.00123	U	0.000174	0.00300	1	10/17/2020 13:15	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 13:15	WG1560666
(S) Toluene-d8	109			80.0-120		10/20/2020 02:26	WG1561731
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 13:15	WG1560666
(S) 4-Bromofluorobenzene	103			77.0-126		10/20/2020 02:26	WG1561731
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/17/2020 13:15	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 02:26	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.587		0.0247	0.100	1	10/15/2020 10:17	WG1557495
(S) o-Terphenyl	103			31.0-160		10/15/2020 10:17	WG1557495



Collected date/time: 10/07/20 08:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3010		5.64	20.0	1	10/14/2020 02:47	WG1558086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:32	WG1558995

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 04:45	WG1560164

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	505		19.0	50.0	50	10/13/2020 00:19	WG1557660
Fluoride	1.30		0.0640	0.150	1	10/12/2020 23:58	WG1557660
Sulfate	949		29.7	250	50	10/13/2020 00:19	WG1557660

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/12/2020 09:25	WG1557452

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.695		0.0254	0.200	1	10/12/2020 05:02	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00684		0.000735	0.00200	1	10/15/2020 19:44	WG1556439
Barium	0.0131	J	0.00778	0.0200	1	10/15/2020 19:44	WG1556439
Cadmium	U		0.000478	0.00100	1	10/15/2020 19:44	WG1556439
Calcium	333		0.480	1.00	1	10/15/2020 19:44	WG1556439
Chromium	0.00201		0.00149	0.00200	1	10/15/2020 19:44	WG1556439
Cobalt	U		0.000477	0.00200	1	10/15/2020 19:44	WG1556439
Iron	0.0508	J	0.0489	0.100	1	10/15/2020 19:44	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 19:44	WG1556439
Manganese	0.168		0.00132	0.00500	1	10/15/2020 19:44	WG1556439
Nickel	0.00670		0.000952	0.00200	1	10/15/2020 19:44	WG1556439
Potassium	0.842	J	0.534	2.00	1	10/15/2020 19:44	WG1556439
Selenium	0.00120	J	0.000657	0.00200	1	10/15/2020 19:44	WG1556439
Sodium	228		0.630	2.00	1	10/15/2020 19:44	WG1556439
Uranium	0.0364		0.00754	0.0200	1	10/15/2020 19:44	WG1556439
Vanadium	0.0186		0.000986	0.00500	1	10/15/2020 19:44	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.635		0.0314	0.100	1	10/14/2020 10:28	WG1558684

Collected date/time: 10/07/20 08:25

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	119			78.0-120		10/14/2020 10:28	WG1558684

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/17/2020 16:10	WG1560666
Benzene	U		0.000941	0.0100	10	10/17/2020 16:10	WG1560666
Bromodichloromethane	U		0.00136	0.0100	10	10/17/2020 16:10	WG1560666
Bromoform	U		0.00129	0.0100	10	10/17/2020 16:10	WG1560666
Bromomethane	U		0.00605	0.0500	10	10/17/2020 16:10	WG1560666
n-Butylbenzene	U		0.00157	0.0100	10	10/17/2020 16:10	WG1560666
sec-Butylbenzene	U		0.00125	0.0100	10	10/17/2020 16:10	WG1560666
Carbon disulfide	U		0.000962	0.0100	10	10/17/2020 16:10	WG1560666
Carbon tetrachloride	U		0.00128	0.0100	10	10/17/2020 16:10	WG1560666
Chlorobenzene	U		0.00116	0.0100	10	10/17/2020 16:10	WG1560666
Chlorodibromomethane	U		0.00140	0.0100	10	10/17/2020 16:10	WG1560666
Chloroethane	U		0.00192	0.0500	10	10/17/2020 16:10	WG1560666
Chloroform	U		0.00111	0.0500	10	10/17/2020 16:10	WG1560666
Chloromethane	U		0.00960	0.0250	10	10/17/2020 16:10	WG1560666
1,2-Dibromoethane	U		0.00126	0.0100	10	10/17/2020 16:10	WG1560666
1,1-Dichloroethane	U		0.00100	0.0100	10	10/17/2020 16:10	WG1560666
1,2-Dichloroethane	U		0.000819	0.0100	10	10/17/2020 16:10	WG1560666
1,1-Dichloroethene	U		0.00188	0.0100	10	10/17/2020 16:10	WG1560666
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/17/2020 16:10	WG1560666
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/17/2020 16:10	WG1560666
1,2-Dichloropropane	U		0.00149	0.0100	10	10/17/2020 16:10	WG1560666
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/17/2020 16:10	WG1560666
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/17/2020 16:10	WG1560666
Ethylbenzene	U		0.00137	0.0100	10	10/17/2020 16:10	WG1560666
Isopropylbenzene	U		0.00105	0.0100	10	10/17/2020 16:10	WG1560666
p-Isopropyltoluene	U		0.00120	0.0100	10	10/17/2020 16:10	WG1560666
2-Butanone (MEK)	U		0.0119	0.100	10	10/17/2020 16:10	WG1560666
2-Hexanone	U		0.00787	0.100	10	10/17/2020 16:10	WG1560666
Methylene Chloride	U		0.00430	0.0500	10	10/17/2020 16:10	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/17/2020 16:10	WG1560666
Methyl tert-butyl ether	0.299		0.00101	0.0100	10	10/17/2020 16:10	WG1560666
Naphthalene	U		0.0100	0.0500	10	10/17/2020 16:10	WG1560666
n-Propylbenzene	U		0.000993	0.0100	10	10/17/2020 16:10	WG1560666
Styrene	U		0.00118	0.0100	10	10/17/2020 16:10	WG1560666
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/17/2020 16:10	WG1560666
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/17/2020 16:10	WG1560666
Tetrachloroethene	U		0.00300	0.0100	10	10/17/2020 16:10	WG1560666
Toluene	U		0.00278	0.0100	10	10/17/2020 16:10	WG1560666
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/17/2020 16:10	WG1560666
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/17/2020 16:10	WG1560666
Trichloroethene	U		0.00190	0.0100	10	10/20/2020 06:08	WG1561731
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/17/2020 16:10	WG1560666
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/17/2020 16:10	WG1560666
Vinyl chloride	U		0.00234	0.0100	10	10/17/2020 16:10	WG1560666
o-Xylene	U		0.00174	0.0100	10	10/17/2020 16:10	WG1560666
m&p-Xylene	U		0.00430	0.0200	10	10/17/2020 16:10	WG1560666
Xylenes, Total	U		0.00174	0.0300	10	10/17/2020 16:10	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 16:10	WG1560666
(S) Toluene-d8	111			80.0-120		10/20/2020 06:08	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 16:10	WG1560666

Collected date/time: 10/07/20 08:25

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

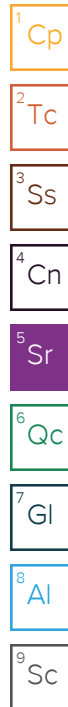
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	104			77.0-126		10/20/2020 06:08	WG1561731
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/17/2020 16:10	WG1560666
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/20/2020 06:08	WG1561731

Sample Narrative:

L1271284-07 WG1560666: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.34		0.0247	0.100	1	10/15/2020 04:00	WG1557910
(S) o-Terphenyl	100			31.0-160		10/15/2020 04:00	WG1557910



Collected date/time: 10/06/20 09:30

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1990		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J5	0.0500	0.100	1	10/16/2020 21:33	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	196		7.58	20.0	20	10/13/2020 01:45	WG1557660
Fluoride	0.913		0.0640	0.150	1	10/13/2020 01:23	WG1557660
Sulfate	768		11.9	100	20	10/13/2020 01:45	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00516		0.000735	0.00200	1	10/15/2020 19:48	WG1556439
Barium	0.0161	J	0.00778	0.0200	1	10/15/2020 19:48	WG1556439
Calcium	374		0.480	1.00	1	10/15/2020 19:48	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 19:48	WG1556439
Iron	0.121		0.0489	0.100	1	10/15/2020 19:48	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 19:48	WG1556439
Manganese	0.625		0.00132	0.00500	1	10/15/2020 19:48	WG1556439
Potassium	U		0.534	2.00	1	10/15/2020 19:48	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 19:48	WG1556439
Sodium	60.8		0.630	2.00	1	10/15/2020 19:48	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/20/2020 11:55	WG1562049
Benzene	0.000171	J	0.0000941	0.00100	1	10/20/2020 11:55	WG1562049
Bromodichloromethane	U		0.000136	0.00100	1	10/20/2020 11:55	WG1562049
Bromoform	U		0.000129	0.00100	1	10/20/2020 11:55	WG1562049
Bromomethane	U		0.000605	0.00500	1	10/20/2020 11:55	WG1562049
n-Butylbenzene	U		0.000157	0.00100	1	10/20/2020 11:55	WG1562049
sec-Butylbenzene	U		0.000125	0.00100	1	10/20/2020 11:55	WG1562049
Carbon disulfide	U		0.0000962	0.00100	1	10/20/2020 11:55	WG1562049
Carbon tetrachloride	U		0.000128	0.00100	1	10/20/2020 11:55	WG1562049
Chlorobenzene	U		0.000116	0.00100	1	10/20/2020 11:55	WG1562049
Chlorodibromomethane	U		0.000140	0.00100	1	10/20/2020 11:55	WG1562049
Chloroethane	U		0.000192	0.00500	1	10/20/2020 11:55	WG1562049
Chloroform	U		0.000111	0.00500	1	10/20/2020 11:55	WG1562049
Chloromethane	U		0.000960	0.00250	1	10/20/2020 11:55	WG1562049
1,2-Dibromoethane	U		0.000126	0.00100	1	10/20/2020 11:55	WG1562049
1,1-Dichloroethane	U		0.000100	0.00100	1	10/20/2020 11:55	WG1562049
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/20/2020 11:55	WG1562049
1,1-Dichloroethene	U		0.000188	0.00100	1	10/20/2020 11:55	WG1562049
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/20/2020 11:55	WG1562049
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/20/2020 11:55	WG1562049
1,2-Dichloropropane	U		0.000149	0.00100	1	10/20/2020 11:55	WG1562049
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/20/2020 11:55	WG1562049
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/20/2020 11:55	WG1562049

Collected date/time: 10/06/20 09:30

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/20/2020 11:55	WG1562049
Isopropylbenzene	U		0.000105	0.00100	1	10/20/2020 11:55	WG1562049
p-Isopropyltoluene	U		0.000120	0.00100	1	10/20/2020 11:55	WG1562049
2-Butanone (MEK)	U		0.00119	0.0100	1	10/20/2020 11:55	WG1562049
2-Hexanone	U		0.000787	0.0100	1	10/20/2020 11:55	WG1562049
Methylene Chloride	U		0.000430	0.00500	1	10/20/2020 11:55	WG1562049
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/20/2020 11:55	WG1562049
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/20/2020 11:55	WG1562049
Naphthalene	U		0.00100	0.00500	1	10/20/2020 11:55	WG1562049
n-Propylbenzene	U		0.0000993	0.00100	1	10/20/2020 11:55	WG1562049
Styrene	U		0.000118	0.00100	1	10/20/2020 11:55	WG1562049
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/20/2020 11:55	WG1562049
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/20/2020 11:55	WG1562049
Tetrachloroethene	U		0.000300	0.00100	1	10/20/2020 11:55	WG1562049
Toluene	U		0.000278	0.00100	1	10/20/2020 11:55	WG1562049
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/20/2020 11:55	WG1562049
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/20/2020 11:55	WG1562049
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 11:55	WG1562049
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/20/2020 11:55	WG1562049
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/20/2020 11:55	WG1562049
Vinyl chloride	U		0.000234	0.00100	1	10/20/2020 11:55	WG1562049
o-Xylene	U		0.000174	0.00100	1	10/20/2020 11:55	WG1562049
m&p-Xylene	U		0.000430	0.00200	1	10/20/2020 11:55	WG1562049
Xylenes, Total	U		0.000174	0.00300	1	10/20/2020 11:55	WG1562049
(S) Toluene-d8	108			80.0-120		10/20/2020 11:55	WG1562049
(S) 4-Bromofluorobenzene	99.6			77.0-126		10/20/2020 11:55	WG1562049
(S) 1,2-Dichloroethane-d4	115			70.0-130		10/20/2020 11:55	WG1562049

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.82		0.0247	0.100	1	10/15/2020 02:02	WG1557495
(S) o-Terphenyl	106			31.0-160		10/15/2020 02:02	WG1557495

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

Collected date/time: 10/06/20 10:10

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3380		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.1		0.250	0.500	5	10/16/2020 21:36	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	135	B	37.9	100	100	10/13/2020 02:27	WG1557660
Fluoride	0.606		0.0640	0.150	1	10/13/2020 02:06	WG1557660
Sulfate	1830		59.4	500	100	10/13/2020 02:27	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00141	J	0.000735	0.00200	1	10/15/2020 19:52	WG1556439
Barium	0.0129	J	0.00778	0.0200	1	10/15/2020 19:52	WG1556439
Calcium	487		0.480	1.00	1	10/15/2020 19:52	WG1556439
Chromium	0.00153	J	0.00149	0.00200	1	10/15/2020 19:52	WG1556439
Iron	U		0.0489	0.100	1	10/15/2020 19:52	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 19:52	WG1556439
Manganese	U		0.00132	0.00500	1	10/15/2020 19:52	WG1556439
Potassium	0.692	J	0.534	2.00	1	10/15/2020 19:52	WG1556439
Selenium	0.00873		0.000657	0.00200	1	10/15/2020 19:52	WG1556439
Sodium	135		0.630	2.00	1	10/15/2020 19:52	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 13:54	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 13:54	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 13:54	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 13:54	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 13:54	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 13:54	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 13:54	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 13:54	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 13:54	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 13:54	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 13:54	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 13:54	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 13:54	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 13:54	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 13:54	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 13:54	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 13:54	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 13:54	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 13:54	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 13:54	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 13:54	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 13:54	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 13:54	WG1560666

Collected date/time: 10/06/20 10:10

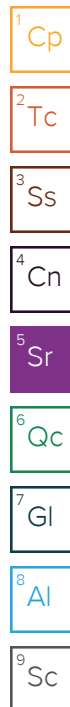
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 13:54	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 13:54	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 13:54	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 13:54	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 13:54	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 13:54	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 13:54	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 13:54	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 13:54	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 13:54	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 13:54	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 13:54	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 13:54	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 13:54	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 13:54	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 13:54	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 13:54	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 02:46	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 13:54	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 13:54	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 13:54	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 13:54	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 13:54	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 13:54	WG1560666
(S) Toluene-d8	110			80.0-120		10/17/2020 13:54	WG1560666
(S) Toluene-d8	111			80.0-120		10/20/2020 02:46	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 13:54	WG1560666
(S) 4-Bromofluorobenzene	105			77.0-126		10/20/2020 02:46	WG1561731
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/17/2020 13:54	WG1560666
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/20/2020 02:46	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0702	J	0.0247	0.100	1	10/15/2020 09:52	WG1557495
(S) o-Terphenyl	91.6			31.0-160		10/15/2020 09:52	WG1557495



Collected date/time: 10/06/20 11:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3430		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.0		0.250	0.500	5	10/16/2020 21:37	WG1558995

Wet Chemistry by Method 9056A

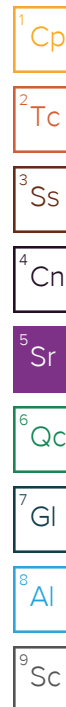
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	135	<u>B</u>	37.9	100	100	10/13/2020 03:24	WG1557660
Fluoride	0.600		0.0640	0.150	1	10/13/2020 02:49	WG1557660
Sulfate	1820		59.4	500	100	10/13/2020 03:24	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00155	<u>J</u>	0.000735	0.00200	1	10/15/2020 19:55	WG1556439
Barium	0.0123	<u>J</u>	0.00778	0.0200	1	10/15/2020 19:55	WG1556439
Calcium	482		0.480	1.00	1	10/15/2020 19:55	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 19:55	WG1556439
Iron	U		0.0489	0.100	1	10/15/2020 19:55	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 19:55	WG1556439
Manganese	U		0.00132	0.00500	1	10/15/2020 19:55	WG1556439
Potassium	0.675	<u>J</u>	0.534	2.00	1	10/15/2020 19:55	WG1556439
Selenium	0.00920		0.000657	0.00200	1	10/15/2020 19:55	WG1556439
Sodium	133		0.630	2.00	1	10/15/2020 19:55	WG1556439

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:13	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:13	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:13	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:13	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:13	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:13	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:13	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:13	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:13	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:13	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:13	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:13	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:13	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:13	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:13	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:13	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:13	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:13	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:13	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:13	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:13	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:13	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:13	WG1560666



Collected date/time: 10/06/20 11:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:13	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:13	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:13	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:13	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:13	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:13	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:13	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 14:13	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:13	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:13	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 14:13	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:13	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:13	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:13	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 14:13	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:13	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:13	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 03:06	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:13	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:13	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:13	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:13	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:13	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:13	WG1560666
(S) Toluene-d8	111			80.0-120		10/17/2020 14:13	WG1560666
(S) Toluene-d8	109			80.0-120		10/20/2020 03:06	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 14:13	WG1560666
(S) 4-Bromofluorobenzene	103			77.0-126		10/20/2020 03:06	WG1561731
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/17/2020 14:13	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 03:06	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0750	U	0.0247	0.100	1	10/15/2020 02:53	WG1557495
(S) o-Terphenyl	94.7			31.0-160		10/15/2020 02:53	WG1557495

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

Collected date/time: 10/07/20 09:15

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	22.0	B	2.82	10.0	1	10/14/2020 02:47	WG1558086

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:39	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.403	B J	0.379	1.00	1	10/13/2020 03:46	WG1557660
Fluoride	U		0.0640	0.150	1	10/13/2020 03:46	WG1557660
Sulfate	U		0.594	5.00	1	10/13/2020 03:46	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/15/2020 19:59	WG1556439
Barium	U		0.00778	0.0200	1	10/15/2020 19:59	WG1556439
Calcium	U		0.480	1.00	1	10/15/2020 19:59	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 19:59	WG1556439
Iron	U		0.0489	0.100	1	10/15/2020 19:59	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 19:59	WG1556439
Manganese	U		0.00132	0.00500	1	10/15/2020 19:59	WG1556439
Potassium	U		0.534	2.00	1	10/15/2020 19:59	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 19:59	WG1556439
Sodium	U		0.630	2.00	1	10/15/2020 19:59	WG1556439

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:19	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:19	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:19	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:19	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:19	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:19	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 11:19	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:19	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:19	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:19	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:19	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:19	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:19	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:19	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:19	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:19	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:19	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:19	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:19	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:19	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:19	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:19	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:19	WG1560666

Collected date/time: 10/07/20 09:15

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:19	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 11:19	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:19	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:19	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:19	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:19	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:19	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 11:19	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:19	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 11:19	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 11:19	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:19	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:19	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:19	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 11:19	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:19	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:19	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 03:26	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 11:19	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:19	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:19	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 11:19	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 11:19	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 11:19	WG1560666
(S) Toluene-d8	111			80.0-120		10/17/2020 11:19	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 03:26	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 11:19	WG1560666
(S) 4-Bromofluorobenzene	101			77.0-126		10/20/2020 03:26	WG1561731
(S) 1,2-Dichloroethane-d4	117			70.0-130		10/17/2020 11:19	WG1560666
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/20/2020 03:26	WG1561731

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

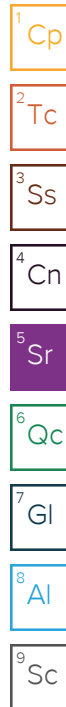
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0437	J	0.0247	0.100	1	10/15/2020 04:20	WG1557910
(S) o-Terphenyl	86.3			31.0-160		10/15/2020 04:20	WG1557910

Collected date/time: 10/06/20 00:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:38	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:38	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:38	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:38	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:38	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:38	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 11:38	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:38	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:38	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:38	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:38	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:38	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:38	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:38	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:38	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:38	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:38	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:38	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:38	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:38	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:38	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:38	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:38	WG1560666
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:38	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 11:38	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:38	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:38	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:38	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:38	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:38	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 11:38	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:38	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 11:38	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 11:38	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:38	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:38	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:38	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 11:38	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:38	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:38	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 00:04	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 11:38	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:38	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:38	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 11:38	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 11:38	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 11:38	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 11:38	WG1560666
(S) Toluene-d8	111			80.0-120		10/20/2020 00:04	WG1561731
(S) 4-Bromofluorobenzene	98.3			77.0-126		10/17/2020 11:38	WG1560666
(S) 4-Bromofluorobenzene	102			77.0-126		10/20/2020 00:04	WG1561731
(S) 1,2-Dichloroethane-d4	108			70.0-130		10/17/2020 11:38	WG1560666
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/20/2020 00:04	WG1561731



Collected date/time: 10/06/20 08:50

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1920		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 21:44	WG1558995

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	66.7		0.379	1.00	1	10/13/2020 05:41	WG1557660
Fluoride	1.11		0.0640	0.150	1	10/13/2020 05:41	WG1557660
Sulfate	955		29.7	250	50	10/13/2020 06:02	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00190	J	0.000735	0.00200	1	10/15/2020 20:03	WG1556439
Barium	0.0482		0.00778	0.0200	1	10/15/2020 20:03	WG1556439
Calcium	298		0.480	1.00	1	10/15/2020 20:03	WG1556439
Chromium	0.00177	J	0.00149	0.00200	1	10/15/2020 20:03	WG1556439
Iron	0.426		0.0489	0.100	1	10/15/2020 20:03	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:03	WG1556439
Manganese	0.474		0.00132	0.00500	1	10/15/2020 20:03	WG1556439
Potassium	4.08		0.534	2.00	1	10/15/2020 20:03	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 20:03	WG1556439
Sodium	69.1		0.630	2.00	1	10/15/2020 20:03	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:33	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:33	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:33	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:33	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:33	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:33	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:33	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:33	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:33	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:33	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:33	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:33	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:33	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:33	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:33	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:33	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:33	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:33	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:33	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:33	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:33	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:33	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:33	WG1560666

Collected date/time: 10/06/20 08:50

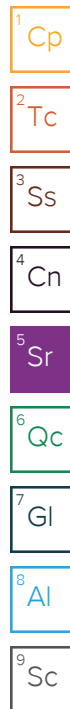
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:33	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:33	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:33	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:33	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:33	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:33	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:33	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 14:33	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:33	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:33	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 14:33	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:33	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:33	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:33	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 14:33	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:33	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:33	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 03:46	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:33	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:33	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:33	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:33	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:33	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:33	WG1560666
(S) Toluene-d8	111			80.0-120		10/17/2020 14:33	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 03:46	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 14:33	WG1560666
(S) 4-Bromofluorobenzene	102			77.0-126		10/20/2020 03:46	WG1561731
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/17/2020 14:33	WG1560666
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/20/2020 03:46	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.206		0.0247	0.100	1	10/15/2020 03:19	WG1557495
(S) o-Terphenyl	98.9			31.0-160		10/15/2020 03:19	WG1557495



Gravimetric Analysis by Method 2540 C-2011

[L1271284-02,03,04,07,11](#)

Method Blank (MB)

(MB) R3582135-1 10/14/20 02:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	3.00	⬇	2.82	10.0

L1271259-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271259-01 10/14/20 02:47 • (DUP) R3582135-3 10/14/20 02:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	971	980	1	0.923		5

L1271609-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271609-01 10/14/20 02:47 • (DUP) R3582135-4 10/14/20 02:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	900	911	1	1.21		5

Laboratory Control Sample (LCS)

(LCS) R3582135-2 10/14/20 02:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8810	100	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Gravimetric Analysis by Method 2540 C-2011

L1271284-01,05,06,08,09,10,13

Method Blank (MB)

(MB) R3581958-1 10/13/20 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1270630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270630-02 10/13/20 21:36 • (DUP) R3581958-3 10/13/20 21:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	159	155	1	2.55		5

L1271301-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-53 10/13/20 21:36 • (DUP) R3581958-4 10/13/20 21:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4440	4390	1	1.27		5

Laboratory Control Sample (LCS)

(LCS) R3581958-2 10/13/20 21:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8840	100	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 353.2

[L1271284-01,02,03,04,05,06,07,08,09,10,11,13](#)

Method Blank (MB)

(MB) R3582500-1 10/16/20 21:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271284-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-03 10/16/20 21:22 • (DUP) R3582500-5 10/16/20 21:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000	20

L1271387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271387-01 10/16/20 21:45 • (DUP) R3582500-7 10/16/20 21:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Nitrate-Nitrite	2.65	2.66	1	0.377	20

Laboratory Control Sample (LCS)

(LCS) R3582500-2 10/16/20 21:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	2.35	94.0	90.0-110	

L1271284-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271284-01 10/16/20 21:17 • (MS) R3582500-3 10/16/20 21:18 • (MSD) R3582500-4 10/16/20 21:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.44	2.44	97.6	97.6	1	90.0-110			0.000	20

L1271284-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271284-08 10/16/20 21:33 • (MS) R3582500-6 10/16/20 21:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.94	118	1	90.0-110	J5

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 4500CN E-2011 [L1271284-01,07](#)

Method Blank (MB)

(MB) R3582107-1 10/16/20 04:25

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1270958-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270958-02 10/16/20 04:34 • (DUP) R3582107-3 10/16/20 04:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Cyanide	U	0.00187	1	0.000		20

L1271284-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-07 10/16/20 04:45 • (DUP) R3582107-6 10/16/20 04:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582107-2 10/16/20 04:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Cyanide	0.100	0.106	106	87.1-120	

L1271000-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271000-02 10/16/20 04:39 • (MS) R3582107-4 10/16/20 04:40 • (MSD) R3582107-5 10/16/20 04:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cyanide	0.100	0.00382	0.108	0.103	104	99.2	1	90.0-110			4.74	20

L1271576-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271576-03 10/16/20 05:24 • (MS) R3582107-7 10/16/20 05:25 • (MSD) R3582107-8 10/16/20 05:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cyanide	0.100	0.00223	0.0894	0.0935	87.2	91.3	1	90.0-110	<u>J6</u>		4.48	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9056A

[L1271284-01,02,03,04,05,06,07,08,09,10,11,13](#)

Method Blank (MB)

(MB) R3581098-1 10/12/20 17:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.405	⌵	0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271284-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-05 10/12/20 21:08 • (DUP) R3581098-3 10/12/20 21:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	15.8	15.8	1	0.0798	15
Fluoride	1.48	1.49	1	0.768	15

L1271284-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-05 10/12/20 22:33 • (DUP) R3581098-6 10/12/20 22:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Sulfate	221	223	10	0.703	15

L1271284-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-11 10/13/20 03:46 • (DUP) R3581098-7 10/13/20 04:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	0.403	0.407	1	0.913	15
Fluoride	U	U	1	0.000	15
Sulfate	U	U	1	0.000	15

Laboratory Control Sample (LCS)

(LCS) R3581098-2 10/12/20 17:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.6	80.0-120	
Fluoride	8.00	8.08	101	80.0-120	
Sulfate	40.0	39.4	98.6	80.0-120	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9056A

[L1271284-01,02,03,04,05,06,07,08,09,10,11,13](#)

L1271284-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271284-05 10/12/20 21:08 • (MS) R3581098-4 10/12/20 21:51 • (MSD) R3581098-5 10/12/20 22:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	15.8	68.1	67.5	105	103	1	80.0-120			0.794	15
Fluoride	5.00	1.48	6.33	6.43	97.0	98.9	1	80.0-120			1.52	15

L1271284-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271284-11 10/13/20 03:46 • (MS) R3581098-8 10/13/20 04:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	0.403	50.0	99.3	1	80.0-120	
Fluoride	5.00	U	4.99	99.7	1	80.0-120	
Sulfate	50.0	U	49.7	99.4	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Mercury by Method 7470A [L1271284-01,07](#)

Method Blank (MB)

(MB) R3580427-1 10/12/20 09:05

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3580427-2 10/12/20 09:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Mercury	0.00300	0.00313	104	80.0-120	

L1272054-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272054-07 10/12/20 09:09 • (MS) R3580427-3 10/12/20 09:11 • (MSD) R3580427-4 10/12/20 09:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Mercury	0.00300	0.000137	0.00368	0.00385	118	124	1	75.0-125			4.57	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010B [L1271284-01,07](#)

Method Blank (MB)

(MB) R3580327-1 10/12/20 04:05

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3580327-2 10/12/20 04:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Boron	1.00	0.984	98.4	80.0-120	

L1271025-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271025-08 10/12/20 04:10 • (MS) R3580327-4 10/12/20 04:15 • (MSD) R3580327-5 10/12/20 04:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Boron	1.00	0.496	1.46	1.46	96.0	96.1	1	75.0-125			0.0564	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020 [L1271284-01.02](#)

Method Blank (MB)

(MB) R3581309-1 10/13/20 22:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581309-2 10/13/20 22:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0490	98.1	80.0-120	
Barium	0.0500	0.0507	101	80.0-120	
Cadmium	0.0500	0.0492	98.4	80.0-120	
Calcium	5.00	4.96	99.3	80.0-120	
Chromium	0.0500	0.0501	100	80.0-120	
Cobalt	0.0500	0.0503	101	80.0-120	
Iron	5.00	5.01	100	80.0-120	
Lead	0.0500	0.0500	99.9	80.0-120	
Manganese	0.0500	0.0500	99.9	80.0-120	
Nickel	0.0500	0.0504	101	80.0-120	
Potassium	5.00	4.88	97.6	80.0-120	
Selenium	0.0500	0.0500	100	80.0-120	
Sodium	5.00	4.65	93.0	80.0-120	
Uranium	0.0500	0.0494	98.7	80.0-120	
Vanadium	0.0500	0.0500	99.9	80.0-120	

Metals (ICPMS) by Method 6020 [L1271284-01.02](#)

L1271283-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271283-01 10/13/20 22:08 • (MS) R3581309-4 10/13/20 22:14 • (MSD) R3581309-5 10/13/20 22:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00923	0.0581	0.0576	97.7	96.8	1	75.0-125			0.768	20
Barium	0.0500	0.0180	0.0674	0.0675	98.9	99.1	1	75.0-125			0.157	20
Cadmium	0.0500	U	0.0496	0.0501	99.1	100	1	75.0-125			1.04	20
Calcium	5.00	294	296	296	49.1	39.6	1	75.0-125	V	V	0.161	20
Chromium	0.0500	0.106	0.150	0.147	88.9	82.1	1	75.0-125			2.29	20
Cobalt	0.0500	0.00237	0.0499	0.0500	95.1	95.2	1	75.0-125			0.141	20
Potassium	5.00	U	5.20	5.15	94.0	92.9	1	75.0-125			1.10	20
Iron	5.00	0.479	5.25	5.31	95.5	96.6	1	75.0-125			1.10	20
Lead	0.0500	U	0.0489	0.0506	96.0	99.4	1	75.0-125			3.36	20
Manganese	0.0500	1.24	1.25	1.24	21.9	0.000	1	75.0-125	V	V	0.896	20
Nickel	0.0500	0.140	0.182	0.173	84.2	66.8	1	75.0-125		J6	4.88	20
Selenium	0.0500	U	0.0504	0.0512	99.6	101	1	75.0-125			1.57	20
Sodium	5.00	296	297	300	32.7	83.4	1	75.0-125	V		0.848	20
Uranium	0.0500	U	0.0506	0.0515	100	102	1	75.0-125			1.64	20
Vanadium	0.0500	U	0.0502	0.0502	100	100	1	75.0-125			0.0380	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020 [L1271284-03,04,05,06,07,08,09,10,11,13](#)

Method Blank (MB)

(MB) R3581976-1 10/15/20 15:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	0.0011	J	0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581976-2 10/15/20 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0481	96.1	80.0-120	
Barium	0.0500	0.0490	97.9	80.0-120	
Cadmium	0.0500	0.0494	98.8	80.0-120	
Calcium	5.00	4.92	98.5	80.0-120	
Chromium	0.0500	0.0492	98.5	80.0-120	
Cobalt	0.0500	0.0483	96.6	80.0-120	
Iron	5.00	4.78	95.7	80.0-120	
Lead	0.0500	0.0462	92.4	80.0-120	
Manganese	0.0500	0.0481	96.3	80.0-120	
Nickel	0.0500	0.0489	97.7	80.0-120	
Potassium	5.00	4.98	99.6	80.0-120	
Selenium	0.0500	0.0490	98.0	80.0-120	
Sodium	5.00	5.08	102	80.0-120	
Uranium	0.0500	0.0504	101	80.0-120	
Vanadium	0.0500	0.0492	98.4	80.0-120	

Metals (ICPMS) by Method 6020 [L1271284-03,04,05,06,07,08,09,10,11,13](#)

L1271298-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-08 10/15/20 15:24 • (MS) R3581976-4 10/15/20 15:32 • (MSD) R3581976-5 10/15/20 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00798	0.0571	0.0546	98.3	93.2	1	75.0-125			4.57	20
Barium	0.0500	0.0148	0.0677	0.0638	106	98.0	1	75.0-125			5.95	20
Cadmium	0.0500	U	0.0506	0.0505	101	101	1	75.0-125			0.251	20
Calcium	5.00	292	297	297	96.6	92.8	1	75.0-125			0.0646	20
Chromium	0.0500	U	0.0505	0.0488	98.4	95.0	1	75.0-125			3.42	20
Cobalt	0.0500	U	0.0491	0.0473	97.3	93.7	1	75.0-125			3.73	20
Potassium	5.00	3.46	8.33	8.34	97.3	97.6	1	75.0-125			0.140	20
Iron	5.00	0.700	5.55	5.33	97.1	92.6	1	75.0-125			4.16	20
Lead	0.0500	U	0.0459	0.0461	91.8	92.1	1	75.0-125			0.331	20
Manganese	0.0500	0.491	0.522	0.507	62.9	32.6	1	75.0-125	V	V	2.94	20
Nickel	0.0500	0.0101	0.0569	0.0561	93.7	92.0	1	75.0-125			1.53	20
Selenium	0.0500	0.000658	0.0532	0.0543	105	107	1	75.0-125			1.92	20
Sodium	5.00	1030	1030	1030	117	0.000	1	75.0-125	E	EV	0.736	20
Uranium	0.0500	U	0.0539	0.0546	102	104	1	75.0-125			1.15	20
Vanadium	0.0500	0.00192	0.0515	0.0494	99.2	95.0	1	75.0-125			4.07	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271284-07](#)

Method Blank (MB)

(MB) R3582008-2 10/14/20 07:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582008-1 10/14/20 06:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.83	87.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271284-01

Method Blank (MB)

(MB) R3582815-3 10/17/20 00:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271284-01

Method Blank (MB)

(MB) R3582815-3 10/17/20 00:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	113			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582815-1 10/16/20 23:15 • (LCSD) R3582815-2 10/16/20 23:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0220	0.0302	88.0	121	19.0-160		J3	31.4	27
Benzene	0.00500	0.00490	0.00521	98.0	104	70.0-123			6.13	20
Bromodichloromethane	0.00500	0.00472	0.00530	94.4	106	75.0-120			11.6	20
Bromoform	0.00500	0.00486	0.00507	97.2	101	68.0-132			4.23	20
Bromomethane	0.00500	0.00538	0.00490	108	98.0	10.0-160			9.34	25
n-Butylbenzene	0.00500	0.00480	0.00526	96.0	105	73.0-125			9.15	20
sec-Butylbenzene	0.00500	0.00470	0.00502	94.0	100	75.0-125			6.58	20
Carbon disulfide	0.00500	0.00496	0.00522	99.2	104	61.0-128			5.11	20
Carbon tetrachloride	0.00500	0.00498	0.00532	99.6	106	68.0-126			6.60	20
Chlorobenzene	0.00500	0.00504	0.00537	101	107	80.0-121			6.34	20
Chlorodibromomethane	0.00500	0.00500	0.00515	100	103	77.0-125			2.96	20
Chloroethane	0.00500	0.00541	0.00515	108	103	47.0-150			4.92	20
Chloroform	0.00500	0.00495	0.00529	99.0	106	73.0-120			6.64	20
Chloromethane	0.00500	0.00483	0.00454	96.6	90.8	41.0-142			6.19	20
1,2-Dibromoethane	0.00500	0.00498	0.00545	99.6	109	80.0-122			9.01	20
1,1-Dichloroethane	0.00500	0.00510	0.00525	102	105	70.0-126			2.90	20
1,2-Dichloroethane	0.00500	0.00505	0.00551	101	110	70.0-128			8.71	20
1,1-Dichloroethene	0.00500	0.00490	0.00512	98.0	102	71.0-124			4.39	20
cis-1,2-Dichloroethene	0.00500	0.00511	0.00535	102	107	73.0-120			4.59	20
trans-1,2-Dichloroethene	0.00500	0.00501	0.00519	100	104	73.0-120			3.53	20
1,2-Dichloropropane	0.00500	0.00481	0.00547	96.2	109	77.0-125			12.8	20
cis-1,3-Dichloropropene	0.00500	0.00473	0.00524	94.6	105	80.0-123			10.2	20
trans-1,3-Dichloropropene	0.00500	0.00486	0.00483	97.2	96.6	78.0-124			0.619	20
Ethylbenzene	0.00500	0.00505	0.00540	101	108	79.0-123			6.70	20

Volatile Organic Compounds (GC/MS) by Method 8260B L1271284-01

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582815-1 10/16/20 23:15 • (LCSD) R3582815-2 10/16/20 23:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Hexanone	0.0250	0.0244	0.0276	97.6	110	67.0-149			12.3	20
Isopropylbenzene	0.00500	0.00509	0.00535	102	107	76.0-127			4.98	20
p-Isopropyltoluene	0.00500	0.00478	0.00519	95.6	104	76.0-125			8.22	20
2-Butanone (MEK)	0.0250	0.0228	0.0279	91.2	112	44.0-160		J3	20.1	20
Methylene Chloride	0.00500	0.00460	0.00484	92.0	96.8	67.0-120			5.08	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0243	0.0269	97.2	108	68.0-142			10.2	20
Methyl tert-butyl ether	0.00500	0.00491	0.00544	98.2	109	68.0-125			10.2	20
Naphthalene	0.00500	0.00502	0.00528	100	106	54.0-135			5.05	20
n-Propylbenzene	0.00500	0.00447	0.00458	89.4	91.6	77.0-124			2.43	20
Styrene	0.00500	0.00494	0.00512	98.8	102	73.0-130			3.58	20
1,1,1,2-Tetrachloroethane	0.00500	0.00506	0.00524	101	105	75.0-125			3.50	20
1,1,2,2-Tetrachloroethane	0.00500	0.00444	0.00448	88.8	89.6	65.0-130			0.897	20
Tetrachloroethene	0.00500	0.00519	0.00535	104	107	72.0-132			3.04	20
Toluene	0.00500	0.00500	0.00517	100	103	79.0-120			3.34	20
1,1,1-Trichloroethane	0.00500	0.00490	0.00513	98.0	103	73.0-124			4.59	20
1,1,2-Trichloroethane	0.00500	0.00506	0.00555	101	111	80.0-120			9.24	20
1,2,4-Trimethylbenzene	0.00500	0.00461	0.00483	92.2	96.6	76.0-121			4.66	20
1,3,5-Trimethylbenzene	0.00500	0.00448	0.00467	89.6	93.4	76.0-122			4.15	20
Vinyl chloride	0.00500	0.00544	0.00501	109	100	67.0-131			8.23	20
Xylenes, Total	0.0150	0.0150	0.0158	100	105	79.0-123			5.19	20
o-Xylene	0.00500	0.00494	0.00532	98.8	106	80.0-122			7.41	20
m&p-Xylenes	0.0100	0.0101	0.0105	101	105	80.0-122			3.88	20
(S) Toluene-d8				108	106	80.0-120				
(S) 4-Bromofluorobenzene				101	102	77.0-126				
(S) 1,2-Dichloroethane-d4				107	114	70.0-130				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.25	U	1.39	1.34	111	107	50	10.0-160			3.66	35
Benzene	0.250	0.00478	0.261	0.214	102	83.7	50	17.0-158			19.8	27
Bromodichloromethane	0.250	U	0.258	0.223	103	89.2	50	31.0-150			14.6	27
Bromoform	0.250	U	0.272	0.238	109	95.2	50	29.0-150			13.3	29
Bromomethane	0.250	U	0.244	0.189	97.6	75.6	50	10.0-160			25.4	38
n-Butylbenzene	0.250	U	0.224	0.193	89.6	77.2	50	31.0-150			14.9	30
sec-Butylbenzene	0.250	U	0.231	0.184	92.4	73.6	50	33.0-155			22.7	29
Carbon disulfide	0.250	U	0.214	0.129	85.6	51.6	50	10.0-156		J3	49.6	28

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

L1271284-01

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.250	U	0.223	0.164	89.2	65.6	50	23.0-159		J3	30.5	28
Chlorobenzene	0.250	U	0.254	0.215	102	86.0	50	33.0-152			16.6	27
Chlorodibromomethane	0.250	U	0.268	0.250	107	100	50	37.0-149			6.95	27
Chloroethane	0.250	U	0.255	0.183	102	73.2	50	10.0-160		J3	32.9	30
Chloroform	0.250	U	0.268	0.218	107	87.2	50	29.0-154			20.6	28
Chloromethane	0.250	U	0.222	0.157	88.8	62.8	50	10.0-160		J3	34.3	29
1,2-Dibromoethane	0.250	U	0.288	0.252	115	101	50	34.0-147			13.3	27
1,1-Dichloroethane	0.250	U	0.255	0.201	102	80.4	50	25.0-158			23.7	27
1,2-Dichloroethane	0.250	U	0.284	0.248	114	99.2	50	29.0-151			13.5	27
1,1-Dichloroethene	0.250	0.0500	0.286	0.207	94.4	62.8	50	11.0-160		J3	32.0	29
cis-1,2-Dichloroethene	0.250	2.70	2.90	2.96	80.0	104	50	10.0-160			2.05	27
trans-1,2-Dichloroethene	0.250	0.0199	0.263	0.193	97.2	69.2	50	17.0-153		J3	30.7	27
1,2-Dichloropropane	0.250	U	0.266	0.223	106	89.2	50	30.0-156			17.6	27
cis-1,3-Dichloropropene	0.250	U	0.261	0.218	104	87.2	50	34.0-149			18.0	28
trans-1,3-Dichloropropene	0.250	U	0.247	0.232	98.8	92.8	50	32.0-149			6.26	28
Ethylbenzene	0.250	U	0.252	0.219	101	87.6	50	30.0-155			14.0	27
2-Hexanone	1.25	U	1.43	1.29	114	103	50	21.0-160			10.3	29
Isopropylbenzene	0.250	U	0.246	0.203	98.4	81.2	50	28.0-157			19.2	27
p-Isopropyltoluene	0.250	U	0.241	0.194	96.4	77.6	50	30.0-154			21.6	29
2-Butanone (MEK)	1.25	U	1.34	1.27	107	102	50	10.0-160			5.36	32
Methylene Chloride	0.250	U	0.235	0.201	94.0	80.4	50	23.0-144			15.6	28
4-Methyl-2-pentanone (MIBK)	1.25	U	1.41	1.27	113	102	50	29.0-160			10.4	29
Methyl tert-butyl ether	0.250	U	0.307	0.316	123	126	50	28.0-150			2.89	29
Naphthalene	0.250	U	0.275	0.257	110	103	50	12.0-156			6.77	35
n-Propylbenzene	0.250	U	0.223	0.176	89.2	70.4	50	31.0-154			23.6	28
Styrene	0.250	U	0.248	0.214	99.2	85.6	50	33.0-155			14.7	28
1,1,1,2-Tetrachloroethane	0.250	U	0.265	0.232	106	92.8	50	36.0-151			13.3	29
1,1,2,2-Tetrachloroethane	0.250	U	0.256	0.227	102	90.8	50	33.0-150			12.0	28
Tetrachloroethene	0.250	U	0.261	0.207	104	82.8	50	10.0-160			23.1	27
Toluene	0.250	U	0.289	0.292	116	117	50	26.0-154			1.03	28
1,1,1-Trichloroethane	0.250	U	0.255	0.182	102	72.8	50	23.0-160		J3	33.4	28
1,1,2-Trichloroethane	0.250	0.0141	0.286	0.277	109	105	50	35.0-147			3.20	27
1,2,4-Trimethylbenzene	0.250	U	0.243	0.221	97.2	88.4	50	26.0-154			9.48	27
1,3,5-Trimethylbenzene	0.250	U	0.226	0.184	90.4	73.6	50	28.0-153			20.5	27
Vinyl chloride	0.250	0.127	0.378	0.287	100	64.0	50	10.0-160		J3	27.4	27
Xylenes, Total	0.750	U	0.788	0.734	105	97.9	50	29.0-154			7.10	28
o-Xylene	0.250	U	0.269	0.247	108	98.8	50	45.0-144			8.53	26
m&p-Xylenes	0.500	U	0.519	0.487	104	97.4	50	43.0-146			6.36	26
(S) Toluene-d8					105	109		80.0-120				
(S) 4-Bromofluorobenzene					98.1	101		77.0-126				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC/MS) by Method 8260B [L1271284-01](#)

L1271276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271276-04 10/17/20 06:01 • (MS) R3582815-4 10/17/20 06:59 • (MSD) R3582815-5 10/17/20 07:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) 1,2-Dichloroethane-d4					111	110		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271284-02,03,04,05,06,07,09,10,11,12,13

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271284-02,03,04,05,06,07,09,10,11,12,13

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	0.000781	U	0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0244	97.6	19.0-160	
Benzene	0.00500	0.00503	101	70.0-123	
Bromodichloromethane	0.00500	0.00493	98.6	75.0-120	
Bromoform	0.00500	0.00486	97.2	68.0-132	
Bromomethane	0.00500	0.00555	111	10.0-160	
n-Butylbenzene	0.00500	0.00506	101	73.0-125	
sec-Butylbenzene	0.00500	0.00510	102	75.0-125	
Carbon disulfide	0.00500	0.00486	97.2	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00517	103	80.0-121	
Chlorodibromomethane	0.00500	0.00505	101	77.0-125	
Chloroethane	0.00500	0.00559	112	47.0-150	
Chloroform	0.00500	0.00498	99.6	73.0-120	
Chloromethane	0.00500	0.00502	100	41.0-142	
1,2-Dibromoethane	0.00500	0.00511	102	80.0-122	
1,1-Dichloroethane	0.00500	0.00507	101	70.0-126	
1,2-Dichloroethane	0.00500	0.00500	100	70.0-128	
1,1-Dichloroethene	0.00500	0.00486	97.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00512	102	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00509	102	73.0-120	
1,2-Dichloropropane	0.00500	0.00504	101	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00485	97.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00481	96.2	78.0-124	

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

L1271284-02,03,04,05,06,07,09,10,11,12,13

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	0.00500	0.00531	106	79.0-123	
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00517	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00515	103	76.0-125	
2-Butanone (MEK)	0.0250	0.0238	95.2	44.0-160	
Methylene Chloride	0.00500	0.00469	93.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0251	100	68.0-142	
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Naphthalene	0.00500	0.00505	101	54.0-135	
n-Propylbenzene	0.00500	0.00475	95.0	77.0-124	
Styrene	0.00500	0.00508	102	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00530	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00425	85.0	65.0-130	
Tetrachloroethene	0.00500	0.00548	110	72.0-132	
Toluene	0.00500	0.00513	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00508	102	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00530	106	80.0-120	
Trichloroethene	0.00500	0.00727	145	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00472	94.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00478	95.6	76.0-122	
Vinyl chloride	0.00500	0.00554	111	67.0-131	
Xylenes, Total	0.0150	0.0154	103	79.0-123	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylenes	0.0100	0.0103	103	80.0-122	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

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 8260B

[L1271284-01](#)

Method Blank (MB)

(MB) R3583292-2 10/19/20 14:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	99.4			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	99.1			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583292-3 10/19/20 14:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Trichloroethene	0.00500	0.00398	79.6	78.0-124	
(S) Toluene-d8			98.1	80.0-120	
(S) 4-Bromofluorobenzene			102	77.0-126	
(S) 1,2-Dichloroethane-d4			103	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1271284-02,04,05,06,07,09,10,11,12,13](#)

Method Blank (MB)

(MB) R3583344-3 10/19/20 22:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583344-1 10/19/20 21:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Trichloroethene	0.00500	0.00507	101	78.0-124	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271284-08

Method Blank (MB)

(MB) R3583488-3 10/20/20 10:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271284-08

Method Blank (MB)

(MB) R3583488-3 10/20/20 10:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3583488-1 10/20/20 09:41 • (LCSD) R3583488-2 10/20/20 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0272	0.0264	109	106	19.0-160			2.99	27
Benzene	0.00500	0.00468	0.00489	93.6	97.8	70.0-123			4.39	20
Bromodichloromethane	0.00500	0.00476	0.00467	95.2	93.4	75.0-120			1.91	20
Bromoform	0.00500	0.00477	0.00495	95.4	99.0	68.0-132			3.70	20
Bromomethane	0.00500	0.00460	0.00478	92.0	95.6	10.0-160			3.84	25
n-Butylbenzene	0.00500	0.00441	0.00474	88.2	94.8	73.0-125			7.21	20
sec-Butylbenzene	0.00500	0.00467	0.00491	93.4	98.2	75.0-125			5.01	20
Carbon disulfide	0.00500	0.00373	0.00413	74.6	82.6	61.0-128			10.2	20
Carbon tetrachloride	0.00500	0.00438	0.00456	87.6	91.2	68.0-126			4.03	20
Chlorobenzene	0.00500	0.00503	0.00504	101	101	80.0-121			0.199	20
Chlorodibromomethane	0.00500	0.00483	0.00499	96.6	99.8	77.0-125			3.26	20
Chloroethane	0.00500	0.00450	0.00483	90.0	96.6	47.0-150			7.07	20
Chloroform	0.00500	0.00470	0.00499	94.0	99.8	73.0-120			5.99	20
Chloromethane	0.00500	0.00390	0.00422	78.0	84.4	41.0-142			7.88	20
1,2-Dibromoethane	0.00500	0.00484	0.00519	96.8	104	80.0-122			6.98	20
1,1-Dichloroethane	0.00500	0.00470	0.00490	94.0	98.0	70.0-126			4.17	20
1,2-Dichloroethane	0.00500	0.00511	0.00522	102	104	70.0-128			2.13	20
1,1-Dichloroethene	0.00500	0.00425	0.00439	85.0	87.8	71.0-124			3.24	20
cis-1,2-Dichloroethene	0.00500	0.00448	0.00469	89.6	93.8	73.0-120			4.58	20
trans-1,2-Dichloroethene	0.00500	0.00441	0.00467	88.2	93.4	73.0-120			5.73	20
1,2-Dichloropropane	0.00500	0.00494	0.00500	98.8	100	77.0-125			1.21	20
cis-1,3-Dichloropropene	0.00500	0.00464	0.00473	92.8	94.6	80.0-123			1.92	20
trans-1,3-Dichloropropene	0.00500	0.00471	0.00485	94.2	97.0	78.0-124			2.93	20

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

L1271284-08

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3583488-1 10/20/20 09:41 • (LCSD) R3583488-2 10/20/20 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00487	0.00513	97.4	103	79.0-123			5.20	20
2-Hexanone	0.0250	0.0250	0.0287	100	115	67.0-149			13.8	20
Isopropylbenzene	0.00500	0.00479	0.00500	95.8	100	76.0-127			4.29	20
p-Isopropyltoluene	0.00500	0.00476	0.00479	95.2	95.8	76.0-125			0.628	20
2-Butanone (MEK)	0.0250	0.0247	0.0287	98.8	115	44.0-160			15.0	20
Methylene Chloride	0.00500	0.00412	0.00413	82.4	82.6	67.0-120			0.242	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0252	0.0283	101	113	68.0-142			11.6	20
Methyl tert-butyl ether	0.00500	0.00475	0.00499	95.0	99.8	68.0-125			4.93	20
Naphthalene	0.00500	0.00434	0.00468	86.8	93.6	54.0-135			7.54	20
n-Propylbenzene	0.00500	0.00424	0.00441	84.8	88.2	77.0-124			3.93	20
Styrene	0.00500	0.00466	0.00488	93.2	97.6	73.0-130			4.61	20
1,1,1,2-Tetrachloroethane	0.00500	0.00484	0.00504	96.8	101	75.0-125			4.05	20
1,1,2,2-Tetrachloroethane	0.00500	0.00446	0.00475	89.2	95.0	65.0-130			6.30	20
Tetrachloroethene	0.00500	0.00473	0.00510	94.6	102	72.0-132			7.53	20
Toluene	0.00500	0.00476	0.00488	95.2	97.6	79.0-120			2.49	20
1,1,1-Trichloroethane	0.00500	0.00449	0.00476	89.8	95.2	73.0-124			5.84	20
1,1,2-Trichloroethane	0.00500	0.00490	0.00525	98.0	105	80.0-120			6.90	20
Trichloroethene	0.00500	0.00460	0.00497	92.0	99.4	78.0-124			7.73	20
1,2,4-Trimethylbenzene	0.00500	0.00434	0.00450	86.8	90.0	76.0-121			3.62	20
1,3,5-Trimethylbenzene	0.00500	0.00428	0.00440	85.6	88.0	76.0-122			2.76	20
Vinyl chloride	0.00500	0.00458	0.00471	91.6	94.2	67.0-131			2.80	20
Xylenes, Total	0.0150	0.0143	0.0148	95.3	98.7	79.0-123			3.44	20
o-Xylene	0.00500	0.00477	0.00480	95.4	96.0	80.0-122			0.627	20
m&p-Xylenes	0.0100	0.00957	0.00996	95.7	99.6	80.0-122			3.99	20
(S) Toluene-d8				109	108	80.0-120				
(S) 4-Bromofluorobenzene				101	103	77.0-126				
(S) 1,2-Dichloroethane-d4				113	115	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271284-01](#)

Method Blank (MB)

(MB) R3580820-1 10/13/20 06:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	81.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3580820-2 10/13/20 06:46 • (LCSD) R3580820-3 10/13/20 07:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.45	1.46	96.7	97.3	50.0-150			0.687	20
(S) o-Terphenyl				91.5	92.0	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271284-05,06,08,09,10,13](#)

Method Blank (MB)

(MB) R3581663-1 10/14/20 12:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	98.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581663-2 10/14/20 12:50 • (LCSD) R3581663-3 10/14/20 13:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.63	1.63	109	109	50.0-150			0.000	20
(S) o-Terphenyl				107	108	31.0-160				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

[L1271284-02,03,04,07,11](#)

Method Blank (MB)

(MB) R3581676-1 10/14/20 23:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	101			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581676-2 10/15/20 00:19 • (LCSD) R3581676-3 10/15/20 00:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.58	1.61	105	107	50.0-150			1.88	20
(S) o-Terphenyl				106	104	31.0-160				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

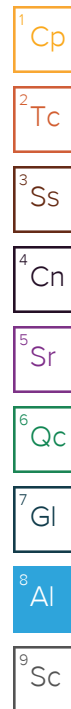
Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

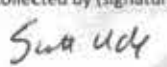
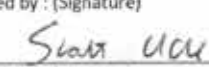
Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable



TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752						Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com						Pres Chk		Analysis / Container / Preservative VOC - 40ml Amb HCl DRO - 40ml Amb-HCl-BT GRO - 40ml Amb HCl Total Short List Metals 250ml HDPE-HNO3 Cations (from "total metals" bottle) Anions, TDS - 250ml HDPE-NoPres NO2NO3 - 250ml HDPE-H2SO4 Total Long List Metals 250ml HDPE-HNO3 Cyanide - 250ml HDPE Amb-NaOH EDB - 8011						Chain of Custody Page 1 of 2  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 	
Report to: Julie Speer						Email To: jspeer@trcsolutions.com								L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:							
Project Description: NCL Fall 2020						City/State Collected: Artesia, NM								L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:							
Phone: 512-684-3170 Fax:			Client Project # 330538.0000.0000			Lab Project # TRCATX-NCL					L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:										
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # NCL (Navajo - Artesia)			P.O. # 150726					L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:										
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #			Date Results Needed				L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:								
Immediately Packed on Ice N ☐ Y ☒											L# 1271284 Tabl 1192 Acctnum: TRCATX Template: T140423 Prelogin: P799954 TSR: 526 PB:										
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs														
MW-45	Grab	GW			10/6/20	1610	8	x	x			x	x	x	x	x			-01		
NCL-34A - LNAPL	Grab	GW					7	x	x			x	x	x	x				-02		
NCL-33	Grab	GW			10/7/20	1030	7	x	x			x	x	x	x				-03		
NCL-44	Grab	GW			10/7/20	950	7	x	x			x	x	x	x				-04		
NCL-32	Grab	GW			10/7/20	905	7	x	x			x	x	x	x				-05		
MW-108	Grab	GW			10/6/20	1410	10	x	x			x	x	x	x				-06		
NCL-31	Grab	GW			10/6/20	1325	7	x	x			x	x	x	x				-07		
MW-55	Grab	GW			10/7/20	825	10	x	x	x		x	x	x	x	x			-08		
MW-54A	Grab	GW			10/6/20	930	7	x	x			x	x	x	x				-09		
NCL-49	Grab	GW			10/6/20	1010	7	x	x			x	x	x	x				-10		
* Matrix:		Remarks:																			
SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other																					
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																			
Relinquished by: (Signature) 		Date: 10/7/20 Time: 1400		Received by: (Signature) 				Trip Blank Received: Yes ☒ No ☐ HCL/MeOH TBR				Temp: 1.1-2.9 Bottles Received: 91				If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)				Temp: Bottles Received:				If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date: Time:		Received for lab by: (Signature)				Date: 10/8/20 Time: 900				Hold: Condition: NCF / OK									

Released to Imaging: 11/22/2022 9:58:43 AM

Hailey Melson



Login #: L1Z71284	Client: TRCATX	Date: 10/08/2020	Evaluated by: Olivia S.

Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	
Parameter(s) past holding time	x Login Clarification Needed	If Broken Container:
Temperature not in range	Chain of custody is incomplete	Insufficient packing material around container
Improper container type	Please specify Metals requested.	Insufficient packing material inside cooler
pH not in range.	Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Couri
Insufficient sample volume.	Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.	Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.	Trip Blank not received.	If no Chain of Custody:
Broken container	Client did not "X" analysis.	Received by:
Broken container:	Chain of Custody is missing	Date/Time:
Sufficient sample remains		Temp./Cont Rec./pH:
		Carrier:
		Tracking#

Login Comments:

Did not receive SVOC vials for MW-108

Client informed by:	Call	Email	Voice Mail	Date: 10/9/20	Time: 18:07
TSR Initials: CM	Client Contact:				

Login Instructions:

SV8011 not needed on MW-108.



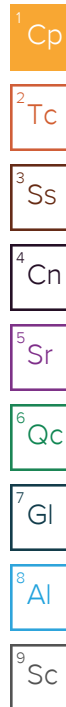
ANALYTICAL REPORT

January 28, 2021

Revised Report

TRC Solutions - Austin, TX

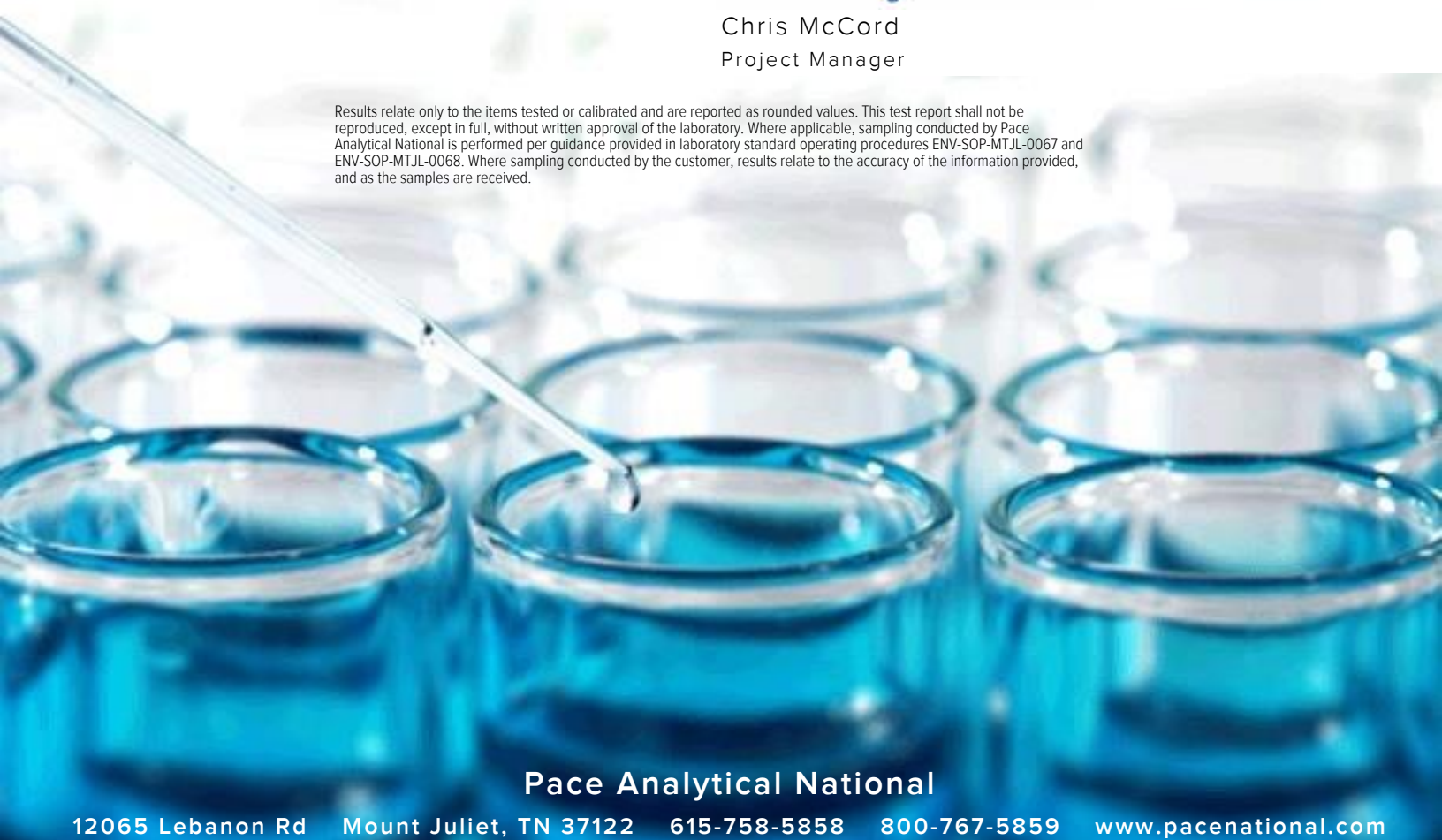
Sample Delivery Group: L1271297
Samples Received: 10/08/2020
Project Number: 330538.0000.0000
Description: TMD Fall 2020
Site: TMD - NAVAJO-ARTESIA
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752



Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MW-21 L1271297-01 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	10	10/15/20 03:03	10/15/20 03:03	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 06:24	10/13/20 06:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/13/20 06:45	10/13/20 06:45	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	1	10/14/20 10:53	10/14/20 10:53	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	5	10/17/20 16:30	10/17/20 16:30	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	5	10/20/20 05:07	10/20/20 05:07	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 03:44	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-46R L1271297-02 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558993	1	10/15/20 03:04	10/15/20 03:04	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	1	10/13/20 07:06	10/13/20 07:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557660	100	10/13/20 07:27	10/13/20 07:27	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 14:52	10/17/20 14:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 04:07	10/20/20 04:07	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 04:10	DMG	Mt. Juliet, TN

TRIP BLANK-TMD-01 L1271297-03 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 00:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 11:58	10/17/20 11:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 00:24	10/20/20 00:24	ACG	Mt. Juliet, TN

NP-1 L1271297-04 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:15

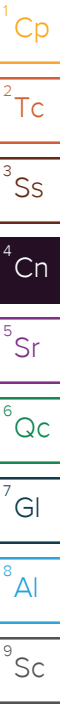
Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 15:12	10/17/20 15:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	5	10/20/20 05:28	10/20/20 05:28	ACG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Report Revision History

Level II Report - Version 1: 10/22/20 17:41

Project Narrative

01/27/21: Revised report to update COC from NCF to OK. A missing sample was received in a delayed cooler the next day in good order. An incorrect qualifier was also removed from the Method Blank in WG1556439.

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1271297-03	TRIP BLANK-TMD-01	8260B

Collected date/time: 10/06/20 15:45

L1271297

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5600		14.1	50.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	17.5		0.500	1.00	10	10/15/2020 03:03	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	616		37.9	100	100	10/13/2020 06:45	WG1557660
Fluoride	1.41		0.0640	0.150	1	10/13/2020 06:24	WG1557660
Sulfate	2700		59.4	500	100	10/13/2020 06:45	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00571		0.000735	0.00200	1	10/15/2020 20:07	WG1556439
Barium	U		0.00778	0.0200	1	10/15/2020 20:07	WG1556439
Calcium	552		0.480	1.00	1	10/15/2020 20:07	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:07	WG1556439
Iron	U		0.0489	0.100	1	10/15/2020 20:07	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:07	WG1556439
Manganese	0.193		0.00132	0.00500	1	10/15/2020 20:07	WG1556439
Potassium	2.15		0.534	2.00	1	10/15/2020 20:07	WG1556439
Selenium	0.0429		0.000657	0.00200	1	10/15/2020 20:07	WG1556439
Sodium	429		0.630	2.00	1	10/15/2020 20:07	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.492		0.0314	0.100	1	10/14/2020 10:53	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120		10/14/2020 10:53	WG1558684

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 16:30	WG1560666
Benzene	U		0.000471	0.00500	5	10/17/2020 16:30	WG1560666
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 16:30	WG1560666
Bromoform	U		0.000645	0.00500	5	10/17/2020 16:30	WG1560666
Bromomethane	U		0.00303	0.0250	5	10/17/2020 16:30	WG1560666
n-Butylbenzene	U		0.000785	0.00500	5	10/17/2020 16:30	WG1560666
sec-Butylbenzene	U		0.000625	0.00500	5	10/17/2020 16:30	WG1560666
Carbon disulfide	U		0.000481	0.00500	5	10/17/2020 16:30	WG1560666
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 16:30	WG1560666
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 16:30	WG1560666
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 16:30	WG1560666
Chloroethane	U		0.000960	0.0250	5	10/17/2020 16:30	WG1560666
Chloroform	U		0.000555	0.0250	5	10/17/2020 16:30	WG1560666
Chloromethane	U		0.00480	0.0125	5	10/17/2020 16:30	WG1560666
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 16:30	WG1560666
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 16:30	WG1560666

Collected date/time: 10/06/20 15:45

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 16:30	WG1560666
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 16:30	WG1560666
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 16:30	WG1560666
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 16:30	WG1560666
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 16:30	WG1560666
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 16:30	WG1560666
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/17/2020 16:30	WG1560666
Ethylbenzene	U		0.000685	0.00500	5	10/17/2020 16:30	WG1560666
Isopropylbenzene	U		0.000525	0.00500	5	10/17/2020 16:30	WG1560666
p-Isopropyltoluene	U		0.000600	0.00500	5	10/17/2020 16:30	WG1560666
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 16:30	WG1560666
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 16:30	WG1560666
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 16:30	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 16:30	WG1560666
Methyl tert-butyl ether	0.243		0.000505	0.00500	5	10/17/2020 16:30	WG1560666
Naphthalene	U		0.00500	0.0250	5	10/17/2020 16:30	WG1560666
n-Propylbenzene	U		0.000497	0.00500	5	10/17/2020 16:30	WG1560666
Styrene	U		0.000590	0.00500	5	10/17/2020 16:30	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 16:30	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 16:30	WG1560666
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 16:30	WG1560666
Toluene	U		0.00139	0.00500	5	10/17/2020 16:30	WG1560666
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 16:30	WG1560666
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 16:30	WG1560666
Trichloroethene	U		0.000950	0.00500	5	10/20/2020 05:07	WG1561731
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	10/17/2020 16:30	WG1560666
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	10/17/2020 16:30	WG1560666
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 16:30	WG1560666
o-Xylene	U		0.000870	0.00500	5	10/17/2020 16:30	WG1560666
m&p-Xylene	U		0.00215	0.0100	5	10/17/2020 16:30	WG1560666
Xylenes, Total	U		0.000870	0.0150	5	10/17/2020 16:30	WG1560666
(S) Toluene-d8	110			80.0-120		10/17/2020 16:30	WG1560666
(S) Toluene-d8	110			80.0-120		10/20/2020 05:07	WG1561731
(S) 4-Bromofluorobenzene	98.6			77.0-126		10/17/2020 16:30	WG1560666
(S) 4-Bromofluorobenzene	105			77.0-126		10/20/2020 05:07	WG1561731
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/17/2020 16:30	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 05:07	WG1561731

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.163		0.0247	0.100	1	10/15/2020 03:44	WG1557495
(S) o-Terphenyl	90.0			31.0-160		10/15/2020 03:44	WG1557495

Collected date/time: 10/06/20 09:40

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3860		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 03:04	WG1558993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	175	<u>B</u>	37.9	100	100	10/13/2020 07:27	WG1557660
Fluoride	1.16		0.0640	0.150	1	10/13/2020 07:06	WG1557660
Sulfate	2070		59.4	500	100	10/13/2020 07:27	WG1557660

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00290		0.000735	0.00200	1	10/15/2020 20:10	WG1556439
Barium	0.0110	<u>J</u>	0.00778	0.0200	1	10/15/2020 20:10	WG1556439
Calcium	553		0.480	1.00	1	10/15/2020 20:10	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:10	WG1556439
Iron	0.0522	<u>J</u>	0.0489	0.100	1	10/15/2020 20:10	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:10	WG1556439
Manganese	0.0720		0.00132	0.00500	1	10/15/2020 20:10	WG1556439
Potassium	0.725	<u>B J</u>	0.534	2.00	1	10/15/2020 20:10	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 20:10	WG1556439
Sodium	166		0.630	2.00	1	10/15/2020 20:10	WG1556439

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:52	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:52	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:52	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:52	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:52	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:52	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:52	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:52	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:52	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:52	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:52	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:52	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:52	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:52	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:52	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:52	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:52	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:52	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:52	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:52	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:52	WG1560666

Collected date/time: 10/06/20 09:40

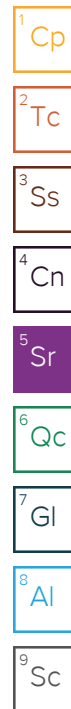
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:52	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:52	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:52	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:52	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:52	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:52	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:52	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 14:52	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:52	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:52	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 14:52	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:52	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:52	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:52	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 14:52	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:52	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 04:07	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:52	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:52	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:52	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:52	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:52	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:52	WG1560666
(S) Toluene-d8	112			80.0-120		10/17/2020 14:52	WG1560666
(S) Toluene-d8	109			80.0-120		10/20/2020 04:07	WG1561731
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 14:52	WG1560666
(S) 4-Bromofluorobenzene	100			77.0-126		10/20/2020 04:07	WG1561731
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/17/2020 14:52	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 04:07	WG1561731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.111		0.0247	0.100	1	10/15/2020 04:10	WG1557495
(S) o-Terphenyl	91.6			31.0-160		10/15/2020 04:10	WG1557495



Collected date/time: 10/06/20 00:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:58	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:58	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:58	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:58	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:58	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:58	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 11:58	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:58	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:58	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:58	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:58	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:58	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:58	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:58	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:58	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:58	WG1560666
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:58	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:58	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:58	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:58	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:58	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:58	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:58	WG1560666
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:58	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 11:58	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:58	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:58	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:58	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:58	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:58	WG1560666
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 11:58	WG1560666
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:58	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 11:58	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 11:58	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:58	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:58	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:58	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 11:58	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:58	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:58	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 00:24	WG1561731
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 11:58	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:58	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:58	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 11:58	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 11:58	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 11:58	WG1560666
(S) Toluene-d8	110			80.0-120		10/17/2020 11:58	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 00:24	WG1561731
(S) 4-Bromofluorobenzene	99.9			77.0-126		10/17/2020 11:58	WG1560666
(S) 4-Bromofluorobenzene	104			77.0-126		10/20/2020 00:24	WG1561731
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/17/2020 11:58	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 00:24	WG1561731

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 14:15

L1271297

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch	
Acetone	U		0.0113	0.0500	1	10/17/2020 15:12	WG1560666	¹ Cp
Benzene	U		0.0000941	0.00100	1	10/17/2020 15:12	WG1560666	² Tc
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 15:12	WG1560666	³ Ss
Bromoform	U		0.000129	0.00100	1	10/17/2020 15:12	WG1560666	
Bromomethane	U		0.000605	0.00500	1	10/17/2020 15:12	WG1560666	⁴ Cn
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 15:12	WG1560666	
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 15:12	WG1560666	⁵ Sr
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 15:12	WG1560666	
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 15:12	WG1560666	⁶ Qc
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 15:12	WG1560666	
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 15:12	WG1560666	⁷ Gl
Chloroethane	U		0.000192	0.00500	1	10/17/2020 15:12	WG1560666	
Chloroform	U		0.000111	0.00500	1	10/17/2020 15:12	WG1560666	⁸ Al
Chloromethane	U		0.000960	0.00250	1	10/17/2020 15:12	WG1560666	
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 15:12	WG1560666	⁹ Sc
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 15:12	WG1560666	
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 15:12	WG1560666	
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 15:12	WG1560666	
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 15:12	WG1560666	
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 15:12	WG1560666	
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 15:12	WG1560666	
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 15:12	WG1560666	
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 15:12	WG1560666	
Ethylbenzene	0.000245	J	0.000137	0.00100	1	10/17/2020 15:12	WG1560666	
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 15:12	WG1560666	
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 15:12	WG1560666	
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 15:12	WG1560666	
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 15:12	WG1560666	
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 15:12	WG1560666	
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 15:12	WG1560666	
Methyl tert-butyl ether	0.217		0.000505	0.00500	5	10/20/2020 05:28	WG1561731	
Naphthalene	U		0.00100	0.00500	1	10/17/2020 15:12	WG1560666	
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 15:12	WG1560666	
Styrene	U		0.000118	0.00100	1	10/17/2020 15:12	WG1560666	
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 15:12	WG1560666	
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 15:12	WG1560666	
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 15:12	WG1560666	
Toluene	U		0.000278	0.00100	1	10/17/2020 15:12	WG1560666	
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 15:12	WG1560666	
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 15:12	WG1560666	
Trichloroethene	U		0.000950	0.00500	5	10/20/2020 05:28	WG1561731	
1,2,4-Trimethylbenzene	0.000430	J	0.000322	0.00100	1	10/17/2020 15:12	WG1560666	
1,3,5-Trimethylbenzene	0.000104	J	0.000104	0.00100	1	10/17/2020 15:12	WG1560666	
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 15:12	WG1560666	
o-Xylene	U		0.000174	0.00100	1	10/17/2020 15:12	WG1560666	
m&p-Xylene	0.000456	J	0.000430	0.00200	1	10/17/2020 15:12	WG1560666	
Xylenes, Total	0.000456	J	0.000174	0.00300	1	10/17/2020 15:12	WG1560666	
(S) Toluene-d8	108			80.0-120		10/17/2020 15:12	WG1560666	
(S) Toluene-d8	109			80.0-120		10/20/2020 05:28	WG1561731	
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 15:12	WG1560666	
(S) 4-Bromofluorobenzene	103			77.0-126		10/20/2020 05:28	WG1561731	
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/17/2020 15:12	WG1560666	
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/20/2020 05:28	WG1561731	

Gravimetric Analysis by Method 2540 C-2011

[L1271297-01,02](#)

Method Blank (MB)

(MB) R3581958-1 10/13/20 21:36

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1270630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270630-02 10/13/20 21:36 • (DUP) R3581958-3 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	159	155	1	2.55		5

L1271301-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-53 10/13/20 21:36 • (DUP) R3581958-4 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	4440	4390	1	1.27		5

Laboratory Control Sample (LCS)

(LCS) R3581958-2 10/13/20 21:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8840	100	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 353.2 [L1271297-01,02](#)

Method Blank (MB)

(MB) R3581654-1 10/15/20 02:40

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1270979-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1270979-01 10/15/20 02:57 • (DUP) R3581654-2 10/15/20 02:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Nitrate-Nitrite	0.247	0.206	1	18.1		20

L1272738-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1272738-05 10/15/20 04:26 • (DUP) R3581654-5 10/15/20 04:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3581654-4 10/15/20 04:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Nitrate-Nitrite	4.00	2.35	94.0	90.0-110	

L1271283-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271283-02 10/15/20 02:52 • (MS) R3581654-3 10/15/20 02:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Nitrate-Nitrite	2.50	U	2.19	87.6	1	90.0-110	<u>J6</u>

L1272738-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272738-06 10/15/20 04:29 • (MS) R3581654-6 10/15/20 04:30 • (MSD) R3581654-7 10/15/20 04:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	1.61	1.69	64.4	67.6	1	90.0-110	<u>J6</u>	<u>J6</u>	4.85	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1271297-01,02](#)

Method Blank (MB)

(MB) R3581098-1 10/12/20 17:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.405	⌵	0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271284-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-05 10/12/20 21:08 • (DUP) R3581098-3 10/12/20 21:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	15.8	15.8	1	0.0798	15
Fluoride	1.48	1.49	1	0.768	15

L1271284-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-05 10/12/20 22:33 • (DUP) R3581098-6 10/12/20 22:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Sulfate	221	223	10	0.703	15

L1271284-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-11 10/13/20 03:46 • (DUP) R3581098-7 10/13/20 04:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	0.403	0.407	1	0.913	15
Fluoride	U	U	1	0.000	15
Sulfate	U	U	1	0.000	15

Laboratory Control Sample (LCS)

(LCS) R3581098-2 10/12/20 17:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.6	80.0-120	
Fluoride	8.00	8.08	101	80.0-120	
Sulfate	40.0	39.4	98.6	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 9056A L1271297-01.02

L1271284-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271284-05 10/12/20 21:08 • (MS) R3581098-4 10/12/20 21:51 • (MSD) R3581098-5 10/12/20 22:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	15.8	68.1	67.5	105	103	1	80.0-120			0.794	15
Fluoride	5.00	1.48	6.33	6.43	97.0	98.9	1	80.0-120			1.52	15

L1271284-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271284-11 10/13/20 03:46 • (MS) R3581098-8 10/13/20 04:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	0.403	50.0	99.3	1	80.0-120	
Fluoride	5.00	U	4.99	99.7	1	80.0-120	
Sulfate	50.0	U	49.7	99.4	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020 L1271297-01.02

Method Blank (MB)

(MB) R3581976-1 10/15/20 15:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581976-2 10/15/20 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0481	96.1	80.0-120	
Barium	0.0500	0.0490	97.9	80.0-120	
Calcium	5.00	4.92	98.5	80.0-120	
Chromium	0.0500	0.0492	98.5	80.0-120	
Iron	5.00	4.78	95.7	80.0-120	
Lead	0.0500	0.0462	92.4	80.0-120	
Manganese	0.0500	0.0481	96.3	80.0-120	
Potassium	5.00	4.98	99.6	80.0-120	
Selenium	0.0500	0.0490	98.0	80.0-120	
Sodium	5.00	5.08	102	80.0-120	

L1271298-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-08 10/15/20 15:24 • (MS) R3581976-4 10/15/20 15:32 • (MSD) R3581976-5 10/15/20 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00798	0.0571	0.0546	98.3	93.2	1	75.0-125			4.57	20
Barium	0.0500	0.0148	0.0677	0.0638	106	98.0	1	75.0-125			5.95	20
Calcium	5.00	292	297	297	96.6	92.8	1	75.0-125			0.0646	20
Chromium	0.0500	U	0.0505	0.0488	98.4	95.0	1	75.0-125			3.42	20
Potassium	5.00	3.46	8.33	8.34	97.3	97.6	1	75.0-125			0.140	20
Iron	5.00	0.700	5.55	5.33	97.1	92.6	1	75.0-125			4.16	20
Lead	0.0500	U	0.0459	0.0461	91.8	92.1	1	75.0-125			0.331	20

Metals (ICPMS) by Method 6020 [L1271297-01.02](#)

L1271298-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-08 10/15/20 15:24 • (MS) R3581976-4 10/15/20 15:32 • (MSD) R3581976-5 10/15/20 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese	0.0500	0.491	0.522	0.507	62.9	32.6	1	75.0-125	V	V	2.94	20
Selenium	0.0500	0.000658	0.0532	0.0543	105	107	1	75.0-125			1.92	20
Sodium	5.00	1030	1030	1030	117	0.000	1	75.0-125	E	E V	0.736	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

W01558684

Volatile Organic Compounds (GC) by Method 8015D/GRO

L1271297-01

Method Blank (MB)

(MB) R3582008-2 10/14/20 07:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582008-1 10/14/20 06:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.83	87.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271297-01,02,03,04

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271297-01,02,03,04

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0244	97.6	19.0-160	
Benzene	0.00500	0.00503	101	70.0-123	
Bromodichloromethane	0.00500	0.00493	98.6	75.0-120	
Bromoform	0.00500	0.00486	97.2	68.0-132	
Bromomethane	0.00500	0.00555	111	10.0-160	
n-Butylbenzene	0.00500	0.00506	101	73.0-125	
sec-Butylbenzene	0.00500	0.00510	102	75.0-125	
Carbon disulfide	0.00500	0.00486	97.2	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00517	103	80.0-121	
Chlorodibromomethane	0.00500	0.00505	101	77.0-125	
Chloroethane	0.00500	0.00559	112	47.0-150	
Chloroform	0.00500	0.00498	99.6	73.0-120	
Chloromethane	0.00500	0.00502	100	41.0-142	
1,2-Dibromoethane	0.00500	0.00511	102	80.0-122	
1,1-Dichloroethane	0.00500	0.00507	101	70.0-126	
1,2-Dichloroethane	0.00500	0.00500	100	70.0-128	
1,1-Dichloroethene	0.00500	0.00486	97.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00512	102	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00509	102	73.0-120	
1,2-Dichloropropane	0.00500	0.00504	101	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00485	97.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00481	96.2	78.0-124	
Ethylbenzene	0.00500	0.00531	106	79.0-123	

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

L1271297-01,02,03,04

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00517	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00515	103	76.0-125	
2-Butanone (MEK)	0.0250	0.0238	95.2	44.0-160	
Methylene Chloride	0.00500	0.00469	93.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0251	100	68.0-142	
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Naphthalene	0.00500	0.00505	101	54.0-135	
n-Propylbenzene	0.00500	0.00475	95.0	77.0-124	
Styrene	0.00500	0.00508	102	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00530	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00425	85.0	65.0-130	
Tetrachloroethene	0.00500	0.00548	110	72.0-132	
Toluene	0.00500	0.00513	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00508	102	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00530	106	80.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00472	94.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00478	95.6	76.0-122	
Vinyl chloride	0.00500	0.00554	111	67.0-131	
Xylenes, Total	0.0150	0.0154	103	79.0-123	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylenes	0.0100	0.0103	103	80.0-122	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

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 8260B

L1271297-01,02,03,04

Method Blank (MB)

(MB) R3583344-3 10/19/20 22:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3583344-1 10/19/20 21:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Trichloroethene	0.00500	0.00507	101	78.0-124	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271297-01.02](#)

Method Blank (MB)

(MB) R3581663-1 10/14/20 12:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	98.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581663-2 10/14/20 12:50 • (LCSD) R3581663-3 10/14/20 13:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.63	1.63	109	109	50.0-150			0.000	20
(S) o-Terphenyl				107	108	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

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California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
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Kansas	E-10277	Rhode Island	LAO00356
Kentucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ¹⁴	2006
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Mississippi	TN00003	West Virginia	233
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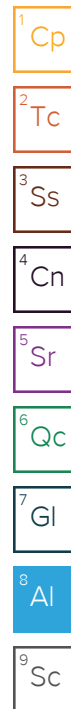
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Nevada	NV009412021-1

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Texas	T104704328-20-18

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable



CM 1/27/21



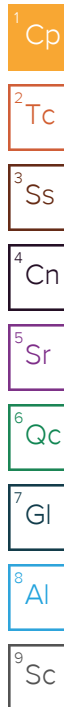
ANALYTICAL REPORT

February 02, 2021

Revised Report

TRC Solutions - Austin, TX

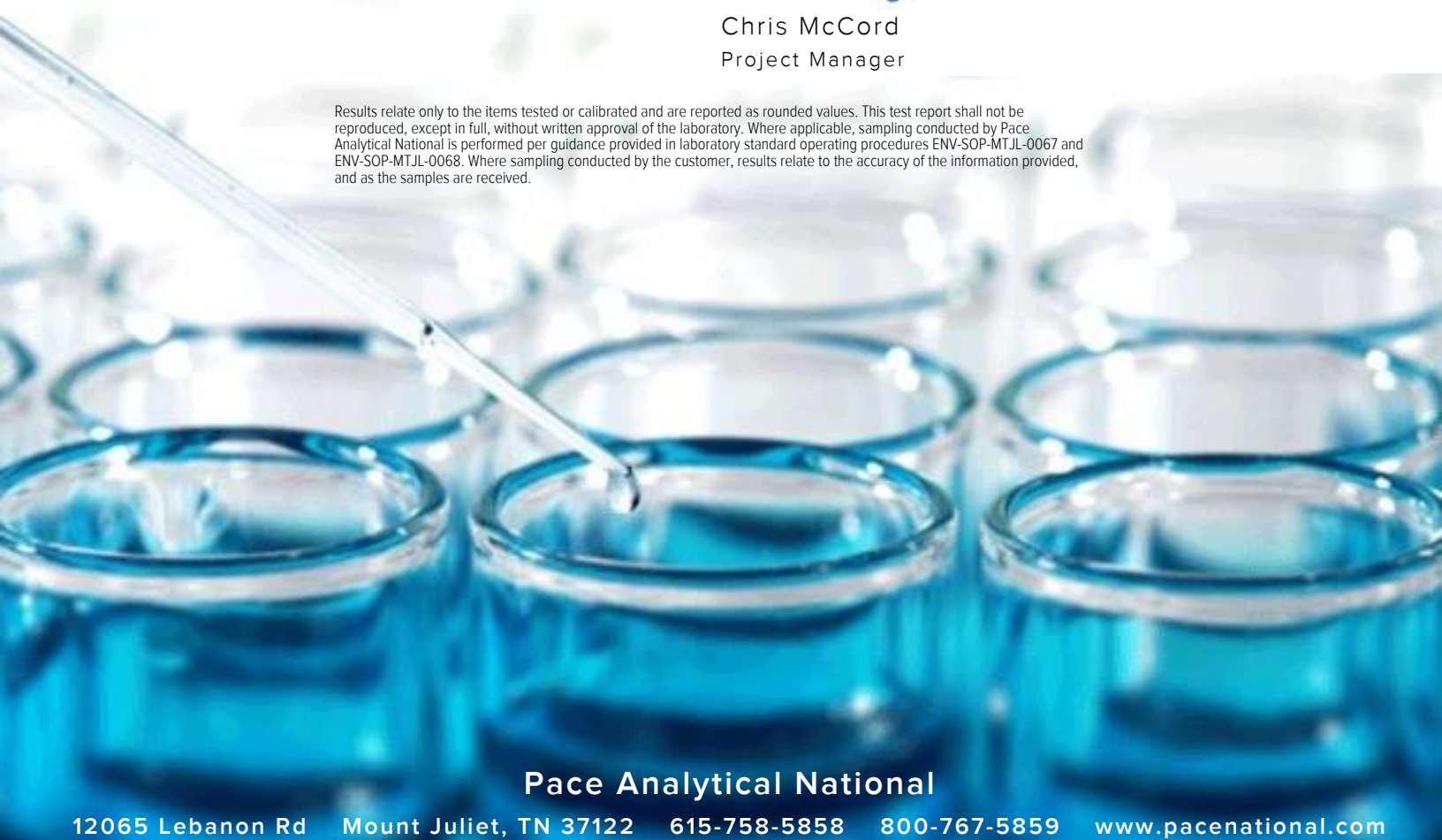
Sample Delivery Group: L1271298
Samples Received: 10/08/2020
Project Number: 330538.0000.0000
Description: EP Fall 2020
Site: EP NAVAJO-ARTESIA
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752



Entire Report Reviewed By:

Chris McCord
Project Manager

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MW-86 L1271298-01 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 16:35

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:42	10/18/20 01:42	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559473	1	10/15/20 11:00	10/15/20 18:18	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 10:41	10/13/20 10:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 11:02	10/13/20 11:02	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556620	1	10/09/20 09:03	10/11/20 11:25	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 05:10	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 23:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560065	200	10/16/20 10:14	10/16/20 10:14	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	20	10/17/20 16:49	10/17/20 16:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	20	10/20/20 07:09	10/20/20 07:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	20	10/13/20 07:18	10/15/20 05:52	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-120 L1271298-02 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:44	10/18/20 01:44	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 11:23	10/13/20 11:23	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 11:45	10/13/20 11:45	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	5	10/10/20 21:42	10/15/20 21:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560065	1	10/16/20 08:20	10/16/20 08:20	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	5	10/17/20 17:09	10/17/20 17:09	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	5	10/20/20 05:48	10/20/20 05:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557495	1	10/13/20 07:18	10/15/20 04:35	DMG	Mt. Juliet, TN

MW-121 L1271298-03 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:45	10/18/20 01:45	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 12:06	10/13/20 12:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 16:26	10/13/20 16:26	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	1	10/14/20 11:44	10/14/20 11:44	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 06:37	10/16/20 06:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 20:19	10/16/20 20:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/13/20 22:20	AEG	Mt. Juliet, TN

MW-84 L1271298-04 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:47	10/18/20 01:47	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	10	10/13/20 17:02	10/13/20 17:02	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 17:20	10/13/20 17:20	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 23:17	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	10	10/10/20 21:42	10/15/20 20:37	LD	Mt. Juliet, TN

MW-84 L1271298-04 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560065	100	10/16/20 09:52	10/16/20 09:52	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	10	10/17/20 17:28	10/17/20 17:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	10	10/20/20 06:49	10/20/20 06:49	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	20	10/13/20 08:36	10/14/20 06:25	AEG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-122 L1271298-05 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:15

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:48	10/18/20 01:48	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 17:38	10/13/20 17:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 17:56	10/13/20 17:56	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	50	10/14/20 15:03	10/14/20 15:03	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 06:56	10/16/20 06:56	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 20:39	10/16/20 20:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/13/20 22:40	AEG	Mt. Juliet, TN

MW-79 L1271298-06 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:49	10/18/20 01:49	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	10	10/13/20 18:14	10/13/20 18:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 18:32	10/13/20 18:32	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:45	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	5	10/10/20 21:42	10/15/20 21:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1558684	1	10/14/20 12:09	10/14/20 12:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 07:15	10/16/20 07:15	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 21:00	10/16/20 21:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/13/20 23:01	AEG	Mt. Juliet, TN

MW-74 L1271298-07 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:35

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	10	10/18/20 01:50	10/18/20 01:50	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 18:50	10/13/20 18:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 19:08	10/13/20 19:08	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 20:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	5	10/10/20 21:42	10/15/20 21:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560065	1	10/16/20 08:43	10/16/20 08:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 07:35	10/16/20 07:35	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 21:20	10/16/20 21:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	5	10/13/20 08:36	10/14/20 05:25	AEG	Mt. Juliet, TN

MW-2A L1271298-08 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:55

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:56	10/18/20 01:56	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 20:19	10/13/20 20:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	5	10/13/20 20:01	10/13/20 20:01	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	1	10/10/20 21:42	10/15/20 15:24	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556439	5	10/10/20 21:42	10/15/20 21:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559027	1	10/15/20 06:51	10/15/20 06:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 08:21	10/16/20 08:21	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 21:40	10/16/20 21:40	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 11:42	AEG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

OCD-6 L1271298-09 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:58	10/18/20 01:58	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 20:37	10/13/20 20:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 20:55	10/13/20 20:55	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 16:17	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 18:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559436	1	10/16/20 10:36	10/16/20 10:36	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1559339	1	10/16/20 08:39	10/16/20 08:39	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560572	1	10/16/20 22:00	10/16/20 22:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 00:01	AEG	Mt. Juliet, TN

OCD-7AR L1271298-10 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 01:59	10/18/20 01:59	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/13/20 21:13	10/13/20 21:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 21:31	10/13/20 21:31	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 16:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 18:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559436	1	10/16/20 10:59	10/16/20 10:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560666	1	10/17/20 15:31	10/17/20 15:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561731	1	10/20/20 04:27	10/20/20 04:27	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 00:21	AEG	Mt. Juliet, TN

MW-76 L1271298-11 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 17:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:00	10/18/20 02:00	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 22:07	10/13/20 22:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	5	10/13/20 21:49	10/13/20 21:49	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 16:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559436	1	10/16/20 11:21	10/16/20 11:21	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560682	1	10/17/20 05:29	10/17/20 05:29	BMB	Mt. Juliet, TN

MW-76 L1271298-11 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 17:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561134	1	10/18/20 10:25	10/18/20 10:25	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	5	10/13/20 08:36	10/14/20 05:45	AEG	Mt. Juliet, TN

MW-75 L1271298-12 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 16:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:01	10/18/20 02:01	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	10	10/13/20 22:25	10/13/20 22:25	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/13/20 22:43	10/13/20 22:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 16:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1561736	1	10/19/20 17:10	10/19/20 17:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	25	10/17/20 16:13	10/17/20 16:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	10	10/13/20 08:36	10/14/20 06:05	AEG	Mt. Juliet, TN

MW-83 L1271298-13 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 08:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:04	10/18/20 02:04	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 01:19	10/14/20 01:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	5	10/14/20 01:01	10/14/20 01:01	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 16:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1561736	1	10/19/20 17:32	10/19/20 17:32	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 02:39	10/17/20 02:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	10	10/14/20 07:17	10/18/20 16:41	DMG	Mt. Juliet, TN

MW-3 L1271298-14 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:05	10/18/20 02:05	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 01:55	10/14/20 01:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	5	10/14/20 01:37	10/14/20 01:37	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	50	10/15/20 16:33	10/15/20 16:33	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561144	1	10/18/20 14:41	10/18/20 14:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 05:01	DMG	Mt. Juliet, TN

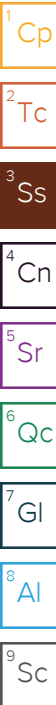
MW-88 L1271298-15 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:55

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 16:54	10/15/20 16:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560682	1	10/17/20 05:50	10/17/20 05:50	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561134	1	10/18/20 10:45	10/18/20 10:45	JHH	Mt. Juliet, TN



MW-88 L1271298-15 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:55

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 01:02	AEG	Mt. Juliet, TN

MW-22A L1271298-16 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:24	10/18/20 02:24	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 02:13	10/14/20 02:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 02:31	10/14/20 02:31	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:13	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 17:14	10/15/20 17:14	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 10:02	10/17/20 10:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 01:22	AEG	Mt. Juliet, TN

MW-10 L1271298-17 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:25	10/18/20 02:25	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 02:49	10/14/20 02:49	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 03:07	10/14/20 03:07	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 17:35	10/15/20 17:35	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 10:22	10/17/20 10:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 01:42	AEG	Mt. Juliet, TN

MW-123 L1271298-18 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:26	10/18/20 02:26	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 03:24	10/14/20 03:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 04:54	10/14/20 04:54	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:19	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 17:56	10/15/20 17:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 10:43	10/17/20 10:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 02:02	AEG	Mt. Juliet, TN

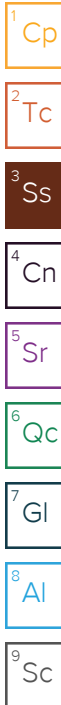
MW-4A L1271298-19 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:28	10/18/20 02:28	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 05:30	10/14/20 05:30	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 05:48	10/14/20 05:48	ELN	Mt. Juliet, TN



MW-4A L1271298-19 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 18:16	10/15/20 18:16	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 11:04	10/17/20 11:04	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 02:24	AEG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-5A L1271298-20 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:29	10/18/20 02:29	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 06:06	10/14/20 06:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 06:24	10/14/20 06:24	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 18:37	10/15/20 18:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 11:25	10/17/20 11:25	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 02:44	AEG	Mt. Juliet, TN

MW-7A L1271298-21 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558095	1	10/13/20 11:00	10/13/20 11:47	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558998	1	10/18/20 02:31	10/18/20 02:31	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	1	10/14/20 06:42	10/14/20 06:42	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557661	100	10/14/20 07:00	10/14/20 07:00	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:29	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 18:58	10/15/20 18:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 11:45	10/17/20 11:45	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 03:04	AEG	Mt. Juliet, TN

OCD-8A L1271298-22 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 08:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:04	10/16/20 20:04	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559473	1	10/15/20 11:00	10/15/20 18:19	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 16:07	10/14/20 16:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	5	10/14/20 15:50	10/14/20 15:50	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556620	1	10/09/20 09:03	10/11/20 11:27	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 05:14	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:32	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 19:18	10/15/20 19:18	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 12:06	10/17/20 12:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 03:24	AEG	Mt. Juliet, TN

OCD-1R L1271298-23 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:06	10/16/20 20:06	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 16:43	10/14/20 16:43	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	5	10/14/20 16:25	10/14/20 16:25	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 17:35	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 19:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 19:39	10/15/20 19:39	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 03:00	10/17/20 03:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/17/20 22:33	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

OCD-2A L1271298-24 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 08:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 18:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 19:59	10/15/20 19:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 03:20	10/17/20 03:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 05:41	DMG	Mt. Juliet, TN

OCD-3 L1271298-25 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 16:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 18:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 20:20	10/15/20 20:20	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 12:26	10/17/20 12:26	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 03:44	AEG	Mt. Juliet, TN

OCD-4 L1271298-26 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 16:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 18:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 20:41	10/15/20 20:41	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 12:47	10/17/20 12:47	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557496	1	10/13/20 08:36	10/14/20 04:04	AEG	Mt. Juliet, TN

MW-11A L1271298-27 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:15

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:07	10/16/20 20:07	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 17:01	10/14/20 17:01	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 17:19	10/14/20 17:19	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 18:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	10	10/12/20 14:40	10/13/20 18:43	LD	Mt. Juliet, TN

OCD-5 L1271298-28 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:09	10/16/20 20:09	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 17:37	10/14/20 17:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 17:55	10/14/20 17:55	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	1	10/12/20 14:40	10/13/20 18:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556440	5	10/12/20 14:40	10/13/20 18:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 21:01	10/15/20 21:01	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 13:08	10/17/20 13:08	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 03:27	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-87 L1271298-29 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:22	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1559681	1	10/15/20 21:22	10/15/20 21:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 13:28	10/17/20 13:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 03:47	TJD	Mt. Juliet, TN

MW-18A L1271298-30 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558083	1	10/13/20 19:38	10/13/20 23:02	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:10	10/16/20 20:10	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1560164	1	10/15/20 23:14	10/16/20 04:47	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 19:07	10/14/20 19:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	5	10/14/20 18:50	10/14/20 18:50	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556620	1	10/09/20 09:03	10/11/20 10:36	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556426	1	10/11/20 12:34	10/12/20 05:17	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:35	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	10	10/12/20 12:55	10/14/20 23:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 13:49	10/17/20 13:49	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 04:07	TJD	Mt. Juliet, TN

MW-70 L1271298-31 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:38	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 01:17	10/16/20 01:17	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560896	1	10/18/20 06:28	10/18/20 06:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561236	1	10/18/20 15:47	10/18/20 15:47	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 04:27	TJD	Mt. Juliet, TN

MW-124 L1271298-32 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:11	10/16/20 20:11	SDL	Mt. Juliet, TN

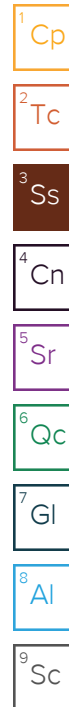
MW-124 L1271298-32 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 19:25	10/14/20 19:25	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 19:43	10/14/20 19:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:41	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	10	10/12/20 12:55	10/14/20 19:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 01:39	10/16/20 01:39	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 14:10	10/17/20 14:10	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 04:47	TJD	Mt. Juliet, TN



DUP-EP-01 L1271298-33 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:13	10/16/20 20:13	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 20:01	10/14/20 20:01	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 20:19	10/14/20 20:19	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:44	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	10	10/12/20 12:55	10/14/20 19:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 02:01	10/16/20 02:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 14:31	10/17/20 14:31	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 05:07	TJD	Mt. Juliet, TN

DUP-EP-02 L1271298-34 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:18	10/16/20 20:18	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 20:37	10/14/20 20:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 20:55	10/14/20 20:55	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:54	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	10	10/12/20 12:55	10/14/20 19:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 02:23	10/16/20 02:23	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560846	1	10/17/20 14:52	10/17/20 14:52	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 05:28	TJD	Mt. Juliet, TN

DUP-EP-03 L1271298-35 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:19	10/16/20 20:19	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 21:13	10/14/20 21:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	100	10/14/20 21:31	10/14/20 21:31	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 01:57	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 02:45	10/16/20 02:45	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 03:40	10/17/20 03:40	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 06:01	DMG	Mt. Juliet, TN

EB-EP-01 L1271298-36 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:21	10/16/20 20:21	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 22:25	10/14/20 22:25	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:01	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/15/20 19:55	10/15/20 19:55	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560682	1	10/17/20 05:09	10/17/20 05:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561134	1	10/18/20 11:05	10/18/20 11:05	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 05:48	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EB-EP-02 L1271298-37 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:24	10/16/20 20:24	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 23:36	10/14/20 23:36	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:04	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/15/20 20:17	10/15/20 20:17	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 18:53	10/16/20 18:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 06:08	TJD	Mt. Juliet, TN

EB-EP-03 L1271298-38 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:25	10/16/20 20:25	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/14/20 23:54	10/14/20 23:54	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:07	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/15/20 20:39	10/15/20 20:39	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 19:13	10/16/20 19:13	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 06:28	TJD	Mt. Juliet, TN

EB-EP-04 L1271298-39 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:27	10/16/20 20:27	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 00:12	10/15/20 00:12	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:10	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/15/20 21:01	10/15/20 21:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 19:34	10/16/20 19:34	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 06:48	TJD	Mt. Juliet, TN

TRIP BLANK-EP-01 L1271298-40 GW				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 00:00	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 18:13	10/16/20 18:13	BMB	Mt. Juliet, TN
TRIP BLANK-EP-02 L1271298-41 GW				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 00:00	Received date/time 10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 18:33	10/16/20 18:33	BMB	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

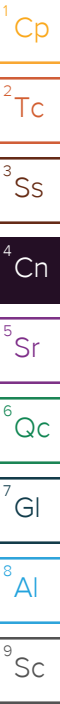
Report Revision History

Level II Report - Version 1: 10/22/20 20:56

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1271298-01	MW-86	3511/8015



Collected date/time: 10/06/20 16:35

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	7830		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:42	WG1558998

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	0.00261	J	0.00180	0.00500	1	10/15/2020 18:18	WG1559473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	671		37.9	100	100	10/13/2020 11:02	WG1557661
Fluoride	6.03		0.0640	0.150	1	10/13/2020 10:41	WG1557661
Sulfate	3100		59.4	500	100	10/13/2020 11:02	WG1557661

Mercury by Method 7470A

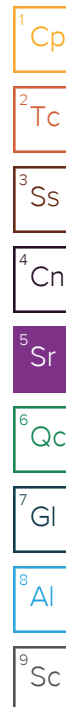
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/11/2020 11:25	WG1556620

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.671		0.0254	0.200	1	10/12/2020 05:10	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0948		0.000735	0.00200	1	10/15/2020 23:13	WG1556439
Barium	0.0184	J	0.00778	0.0200	1	10/15/2020 23:13	WG1556439
Cadmium	U		0.000478	0.00100	1	10/15/2020 23:13	WG1556439
Calcium	535		0.480	1.00	1	10/15/2020 23:13	WG1556439
Chromium	0.0388		0.00149	0.00200	1	10/15/2020 23:13	WG1556439
Cobalt	U		0.000477	0.00200	1	10/15/2020 23:13	WG1556439
Iron	0.210		0.0489	0.100	1	10/15/2020 23:13	WG1556439
Lead	0.00356	J	0.00249	0.00500	1	10/15/2020 23:13	WG1556439
Manganese	0.170		0.00132	0.00500	1	10/15/2020 23:13	WG1556439
Nickel	0.00447		0.000952	0.00200	1	10/15/2020 23:13	WG1556439
Potassium	6.70		0.534	2.00	1	10/15/2020 23:13	WG1556439
Selenium	0.00443		0.000657	0.00200	1	10/15/2020 23:13	WG1556439
Sodium	947		0.630	2.00	1	10/15/2020 23:13	WG1556439
Uranium	U		0.00754	0.0200	1	10/15/2020 23:13	WG1556439
Vanadium	0.0209		0.000986	0.00500	1	10/15/2020 23:13	WG1556439



Collected date/time: 10/06/20 16:35

L1271298

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		6.28	20.0	200	10/16/2020 10:14	WG1560065
(S) a,a,a-Trifluorotoluene(FID)	98.9			78.0-120		10/16/2020 10:14	WG1560065

Sample Narrative:

L1271298-01 WG1560065: Dilution due to foam.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/17/2020 16:49	WG1560666
Benzene	0.0313		0.00188	0.0200	20	10/17/2020 16:49	WG1560666
Bromodichloromethane	U		0.00272	0.0200	20	10/17/2020 16:49	WG1560666
Bromoform	U		0.00258	0.0200	20	10/17/2020 16:49	WG1560666
Bromomethane	U		0.0121	0.100	20	10/17/2020 16:49	WG1560666
n-Butylbenzene	U		0.00314	0.0200	20	10/17/2020 16:49	WG1560666
sec-Butylbenzene	U		0.00250	0.0200	20	10/17/2020 16:49	WG1560666
Carbon disulfide	U		0.00192	0.0200	20	10/17/2020 16:49	WG1560666
Carbon tetrachloride	U		0.00256	0.0200	20	10/17/2020 16:49	WG1560666
Chlorobenzene	U		0.00232	0.0200	20	10/17/2020 16:49	WG1560666
Chlorodibromomethane	U		0.00280	0.0200	20	10/17/2020 16:49	WG1560666
Chloroethane	U		0.00384	0.100	20	10/17/2020 16:49	WG1560666
Chloroform	U		0.00222	0.100	20	10/17/2020 16:49	WG1560666
Chloromethane	U		0.0192	0.0500	20	10/17/2020 16:49	WG1560666
1,2-Dibromoethane	U		0.00252	0.0200	20	10/17/2020 16:49	WG1560666
1,1-Dichloroethane	U		0.00200	0.0200	20	10/17/2020 16:49	WG1560666
1,2-Dichloroethane	U		0.00164	0.0200	20	10/17/2020 16:49	WG1560666
1,1-Dichloroethene	U		0.00376	0.0200	20	10/17/2020 16:49	WG1560666
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/17/2020 16:49	WG1560666
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/17/2020 16:49	WG1560666
1,2-Dichloropropane	U		0.00298	0.0200	20	10/17/2020 16:49	WG1560666
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/17/2020 16:49	WG1560666
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/17/2020 16:49	WG1560666
Ethylbenzene	0.0228		0.00274	0.0200	20	10/17/2020 16:49	WG1560666
Isopropylbenzene	0.00405	J	0.00210	0.0200	20	10/17/2020 16:49	WG1560666
p-Isopropyltoluene	U		0.00240	0.0200	20	10/17/2020 16:49	WG1560666
2-Butanone (MEK)	U		0.0238	0.200	20	10/17/2020 16:49	WG1560666
2-Hexanone	U		0.0157	0.200	20	10/17/2020 16:49	WG1560666
Methylene Chloride	U		0.00860	0.100	20	10/17/2020 16:49	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/17/2020 16:49	WG1560666
Methyl tert-butyl ether	U		0.00202	0.0200	20	10/17/2020 16:49	WG1560666
Naphthalene	U		0.0200	0.100	20	10/17/2020 16:49	WG1560666
n-Propylbenzene	0.00471	J	0.00199	0.0200	20	10/17/2020 16:49	WG1560666
Styrene	U		0.00236	0.0200	20	10/17/2020 16:49	WG1560666
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/17/2020 16:49	WG1560666
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/17/2020 16:49	WG1560666
Tetrachloroethene	U		0.00600	0.0200	20	10/17/2020 16:49	WG1560666
Toluene	0.0435		0.00556	0.0200	20	10/17/2020 16:49	WG1560666
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/17/2020 16:49	WG1560666
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/17/2020 16:49	WG1560666
Trichloroethene	U		0.00380	0.0200	20	10/20/2020 07:09	WG1561731
1,2,4-Trimethylbenzene	0.0223		0.00644	0.0200	20	10/17/2020 16:49	WG1560666
1,3,5-Trimethylbenzene	0.00604	J	0.00208	0.0200	20	10/17/2020 16:49	WG1560666
Vinyl chloride	U		0.00468	0.0200	20	10/17/2020 16:49	WG1560666
o-Xylene	0.0288		0.00348	0.0200	20	10/17/2020 16:49	WG1560666
m&p-Xylene	0.0295	J	0.00860	0.0400	20	10/17/2020 16:49	WG1560666

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 16:35

L1271298

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

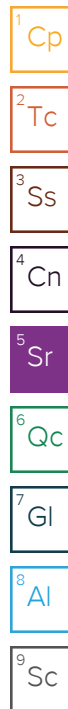
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Xylenes, Total	0.0583	J	0.00348	0.0600	20	10/17/2020 16:49	WG1560666
(S) Toluene-d8	111			80.0-120		10/17/2020 16:49	WG1560666
(S) Toluene-d8	110			80.0-120		10/20/2020 07:09	WG1561731
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 16:49	WG1560666
(S) 4-Bromofluorobenzene	104			77.0-126		10/20/2020 07:09	WG1561731
(S) 1,2-Dichloroethane-d4	108			70.0-130		10/17/2020 16:49	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 07:09	WG1561731

Sample Narrative:

L1271298-01 WG1560666: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	80.2		0.494	2.00	20	10/15/2020 05:52	WG1557495
(S) o-Terphenyl	621	J		31.0-160		10/15/2020 05:52	WG1557495



Collected date/time: 10/06/20 09:00

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	7000		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:44	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1540		37.9	100	100	10/13/2020 11:45	WG1557661
Fluoride	3.81		0.0640	0.150	1	10/13/2020 11:23	WG1557661
Sulfate	2870		59.4	500	100	10/13/2020 11:45	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00769		0.000735	0.00200	1	10/15/2020 20:30	WG1556439
Barium	0.0109	J	0.00778	0.0200	1	10/15/2020 20:30	WG1556439
Calcium	608		0.480	1.00	1	10/15/2020 20:30	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:30	WG1556439
Iron	4.31		0.0489	0.100	1	10/15/2020 20:30	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:30	WG1556439
Manganese	1.38		0.00132	0.00500	1	10/15/2020 20:30	WG1556439
Potassium	2.67		0.534	2.00	1	10/15/2020 20:30	WG1556439
Selenium	0.000719	J	0.000657	0.00200	1	10/15/2020 20:30	WG1556439
Sodium	1200		3.15	10.0	5	10/15/2020 21:01	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 08:20	WG1560065
(S) a,a,a-Trifluorotoluene(FID)	99.5			78.0-120		10/16/2020 08:20	WG1560065

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 17:09	WG1560666
Benzene	U		0.000471	0.00500	5	10/17/2020 17:09	WG1560666
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 17:09	WG1560666
Bromoform	U		0.000645	0.00500	5	10/17/2020 17:09	WG1560666
Bromomethane	U		0.00303	0.0250	5	10/17/2020 17:09	WG1560666
n-Butylbenzene	U		0.000785	0.00500	5	10/17/2020 17:09	WG1560666
sec-Butylbenzene	U		0.000625	0.00500	5	10/17/2020 17:09	WG1560666
Carbon disulfide	U		0.000481	0.00500	5	10/17/2020 17:09	WG1560666
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 17:09	WG1560666
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 17:09	WG1560666
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 17:09	WG1560666
Chloroethane	U		0.000960	0.0250	5	10/17/2020 17:09	WG1560666
Chloroform	U		0.000555	0.0250	5	10/17/2020 17:09	WG1560666
Chloromethane	U		0.00480	0.0125	5	10/17/2020 17:09	WG1560666
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 17:09	WG1560666
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 17:09	WG1560666

Collected date/time: 10/06/20 09:00

L1271298

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

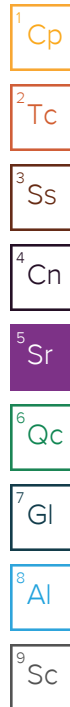
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 17:09	WG1560666
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 17:09	WG1560666
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 17:09	WG1560666
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 17:09	WG1560666
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 17:09	WG1560666
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 17:09	WG1560666
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/17/2020 17:09	WG1560666
Ethylbenzene	U		0.000685	0.00500	5	10/17/2020 17:09	WG1560666
Isopropylbenzene	U		0.000525	0.00500	5	10/17/2020 17:09	WG1560666
p-Isopropyltoluene	U		0.000600	0.00500	5	10/17/2020 17:09	WG1560666
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 17:09	WG1560666
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 17:09	WG1560666
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 17:09	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 17:09	WG1560666
Methyl tert-butyl ether	U		0.000505	0.00500	5	10/17/2020 17:09	WG1560666
Naphthalene	U		0.00500	0.0250	5	10/17/2020 17:09	WG1560666
n-Propylbenzene	U		0.000497	0.00500	5	10/17/2020 17:09	WG1560666
Styrene	U		0.000590	0.00500	5	10/17/2020 17:09	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 17:09	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 17:09	WG1560666
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 17:09	WG1560666
Toluene	U		0.00139	0.00500	5	10/17/2020 17:09	WG1560666
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 17:09	WG1560666
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 17:09	WG1560666
Trichloroethene	U		0.000950	0.00500	5	10/20/2020 05:48	WG1561731
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	10/17/2020 17:09	WG1560666
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	10/17/2020 17:09	WG1560666
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 17:09	WG1560666
o-Xylene	U		0.000870	0.00500	5	10/17/2020 17:09	WG1560666
m&p-Xylene	U		0.00215	0.0100	5	10/17/2020 17:09	WG1560666
Xylenes, Total	U		0.000870	0.0150	5	10/17/2020 17:09	WG1560666
(S) Toluene-d8	111			80.0-120		10/17/2020 17:09	WG1560666
(S) Toluene-d8	109			80.0-120		10/20/2020 05:48	WG1561731
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 17:09	WG1560666
(S) 4-Bromofluorobenzene	101			77.0-126		10/20/2020 05:48	WG1561731
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/17/2020 17:09	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 05:48	WG1561731

Sample Narrative:

L1271298-02 WG1560666: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.402		0.0247	0.100	1	10/15/2020 04:35	WG1557495
(S) o-Terphenyl	98.4			31.0-160		10/15/2020 04:35	WG1557495



Collected date/time: 10/06/20 09:40

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5180		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:45	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	690		37.9	100	100	10/13/2020 16:26	WG1557661
Fluoride	4.87		0.0640	0.150	1	10/13/2020 12:06	WG1557661
Sulfate	2400		59.4	500	100	10/13/2020 16:26	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.105		0.000735	0.00200	1	10/15/2020 20:33	WG1556439
Barium	0.0134	J	0.00778	0.0200	1	10/15/2020 20:33	WG1556439
Calcium	595		0.480	1.00	1	10/15/2020 20:33	WG1556439
Chromium	0.00380		0.00149	0.00200	1	10/15/2020 20:33	WG1556439
Iron	1.88		0.0489	0.100	1	10/15/2020 20:33	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:33	WG1556439
Manganese	2.51		0.00132	0.00500	1	10/15/2020 20:33	WG1556439
Potassium	3.34		0.534	2.00	1	10/15/2020 20:33	WG1556439
Selenium	0.00320		0.000657	0.00200	1	10/15/2020 20:33	WG1556439
Sodium	665		0.630	2.00	1	10/15/2020 20:33	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/14/2020 11:44	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120		10/14/2020 11:44	WG1558684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 06:37	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 06:37	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 06:37	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 06:37	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 06:37	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 06:37	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 06:37	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 06:37	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 06:37	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 06:37	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 06:37	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 06:37	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 06:37	WG1559339
Chloromethane	U		0.000960	0.00250	1	10/16/2020 06:37	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 06:37	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 06:37	WG1559339

Collected date/time: 10/06/20 09:40

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 06:37	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 06:37	WG1559339
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 06:37	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 06:37	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 06:37	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 06:37	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 06:37	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 06:37	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 06:37	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 06:37	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 06:37	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 06:37	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 06:37	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 06:37	WG1559339
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 06:37	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 06:37	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 06:37	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 06:37	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 06:37	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 06:37	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 06:37	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 06:37	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 06:37	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 06:37	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 20:19	WG1560572
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 06:37	WG1559339
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 06:37	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 06:37	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 06:37	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 06:37	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 06:37	WG1559339
(S) Toluene-d8	109			80.0-120		10/16/2020 06:37	WG1559339
(S) Toluene-d8	104			80.0-120		10/16/2020 20:19	WG1560572
(S) 4-Bromofluorobenzene	103			77.0-126		10/16/2020 06:37	WG1559339
(S) 4-Bromofluorobenzene	98.1			77.0-126		10/16/2020 20:19	WG1560572
(S) 1,2-Dichloroethane-d4	114			70.0-130		10/16/2020 06:37	WG1559339
(S) 1,2-Dichloroethane-d4	129			70.0-130		10/16/2020 20:19	WG1560572

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.268		0.0247	0.100	1	10/13/2020 22:20	WG1557496
(S) o-Terphenyl	107			31.0-160		10/13/2020 22:20	WG1557496

Collected date/time: 10/06/20 15:50

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10800		14.1	50.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:47	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1670		37.9	100	100	10/13/2020 17:20	WG1557661
Fluoride	6.29		0.640	1.50	10	10/13/2020 17:02	WG1557661
Sulfate	4910		59.4	500	100	10/13/2020 17:20	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.187		0.000735	0.00200	1	10/15/2020 23:17	WG1556439
Barium	0.0134	J	0.00778	0.0200	1	10/15/2020 23:17	WG1556439
Calcium	579		0.480	1.00	1	10/15/2020 23:17	WG1556439
Chromium	0.00501		0.00149	0.00200	1	10/15/2020 23:17	WG1556439
Iron	9.43		0.0489	0.100	1	10/15/2020 23:17	WG1556439
Lead	0.00278	J	0.00249	0.00500	1	10/15/2020 23:17	WG1556439
Manganese	3.05		0.00132	0.00500	1	10/15/2020 23:17	WG1556439
Potassium	6.23		0.534	2.00	1	10/15/2020 23:17	WG1556439
Selenium	0.00589		0.000657	0.00200	1	10/15/2020 23:17	WG1556439
Sodium	1350		6.30	20.0	10	10/15/2020 20:37	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		3.14	10.0	100	10/16/2020 09:52	WG1560065
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120		10/16/2020 09:52	WG1560065

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/17/2020 17:28	WG1560666
Benzene	U		0.000941	0.0100	10	10/17/2020 17:28	WG1560666
Bromodichloromethane	U		0.00136	0.0100	10	10/17/2020 17:28	WG1560666
Bromoform	U		0.00129	0.0100	10	10/17/2020 17:28	WG1560666
Bromomethane	U		0.00605	0.0500	10	10/17/2020 17:28	WG1560666
n-Butylbenzene	U		0.00157	0.0100	10	10/17/2020 17:28	WG1560666
sec-Butylbenzene	U		0.00125	0.0100	10	10/17/2020 17:28	WG1560666
Carbon disulfide	U		0.000962	0.0100	10	10/17/2020 17:28	WG1560666
Carbon tetrachloride	U		0.00128	0.0100	10	10/17/2020 17:28	WG1560666
Chlorobenzene	U		0.00116	0.0100	10	10/17/2020 17:28	WG1560666
Chlorodibromomethane	U		0.00140	0.0100	10	10/17/2020 17:28	WG1560666
Chloroethane	U		0.00192	0.0500	10	10/17/2020 17:28	WG1560666
Chloroform	U		0.00111	0.0500	10	10/17/2020 17:28	WG1560666
Chloromethane	U		0.00960	0.0250	10	10/17/2020 17:28	WG1560666
1,2-Dibromoethane	U		0.00126	0.0100	10	10/17/2020 17:28	WG1560666
1,1-Dichloroethane	U		0.00100	0.0100	10	10/17/2020 17:28	WG1560666

Collected date/time: 10/06/20 15:50

L1271298

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

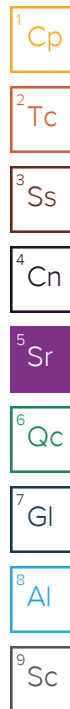
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000819	0.0100	10	10/17/2020 17:28	WG1560666
1,1-Dichloroethene	U		0.00188	0.0100	10	10/17/2020 17:28	WG1560666
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/17/2020 17:28	WG1560666
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/17/2020 17:28	WG1560666
1,2-Dichloropropane	U		0.00149	0.0100	10	10/17/2020 17:28	WG1560666
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/17/2020 17:28	WG1560666
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/17/2020 17:28	WG1560666
Ethylbenzene	U		0.00137	0.0100	10	10/17/2020 17:28	WG1560666
Isopropylbenzene	U		0.00105	0.0100	10	10/17/2020 17:28	WG1560666
p-Isopropyltoluene	U		0.00120	0.0100	10	10/17/2020 17:28	WG1560666
2-Butanone (MEK)	U		0.0119	0.100	10	10/17/2020 17:28	WG1560666
2-Hexanone	U		0.00787	0.100	10	10/17/2020 17:28	WG1560666
Methylene Chloride	U		0.00430	0.0500	10	10/17/2020 17:28	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/17/2020 17:28	WG1560666
Methyl tert-butyl ether	0.00104	J	0.00101	0.0100	10	10/17/2020 17:28	WG1560666
Naphthalene	U		0.0100	0.0500	10	10/17/2020 17:28	WG1560666
n-Propylbenzene	U		0.000993	0.0100	10	10/17/2020 17:28	WG1560666
Styrene	U		0.00118	0.0100	10	10/17/2020 17:28	WG1560666
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/17/2020 17:28	WG1560666
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/17/2020 17:28	WG1560666
Tetrachloroethene	U		0.00300	0.0100	10	10/17/2020 17:28	WG1560666
Toluene	U		0.00278	0.0100	10	10/17/2020 17:28	WG1560666
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/17/2020 17:28	WG1560666
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/17/2020 17:28	WG1560666
Trichloroethene	U		0.00190	0.0100	10	10/20/2020 06:49	WG1561731
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/17/2020 17:28	WG1560666
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/17/2020 17:28	WG1560666
Vinyl chloride	U		0.00234	0.0100	10	10/17/2020 17:28	WG1560666
o-Xylene	U		0.00174	0.0100	10	10/17/2020 17:28	WG1560666
m&p-Xylene	U		0.00430	0.0200	10	10/17/2020 17:28	WG1560666
Xylenes, Total	U		0.00174	0.0300	10	10/17/2020 17:28	WG1560666
(S) Toluene-d8	109			80.0-120		10/17/2020 17:28	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 06:49	WG1561731
(S) 4-Bromofluorobenzene	99.1			77.0-126		10/17/2020 17:28	WG1560666
(S) 4-Bromofluorobenzene	103			77.0-126		10/20/2020 06:49	WG1561731
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/17/2020 17:28	WG1560666
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/20/2020 06:49	WG1561731

Sample Narrative:

L1271298-04 WG1560666: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	59.2		0.494	2.00	20	10/14/2020 06:25	WG1557496
(S) o-Terphenyl	0.000	J		31.0-160		10/14/2020 06:25	WG1557496



Collected date/time: 10/06/20 11:15

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4220		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:48	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	940		37.9	100	100	10/13/2020 17:56	WG1557661
Fluoride	2.54		0.0640	0.150	1	10/13/2020 17:38	WG1557661
Sulfate	1590		59.4	500	100	10/13/2020 17:56	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00425		0.000735	0.00200	1	10/15/2020 20:41	WG1556439
Barium	0.0223		0.00778	0.0200	1	10/15/2020 20:41	WG1556439
Calcium	353		0.480	1.00	1	10/15/2020 20:41	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:41	WG1556439
Iron	4.97		0.0489	0.100	1	10/15/2020 20:41	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:41	WG1556439
Manganese	1.01		0.00132	0.00500	1	10/15/2020 20:41	WG1556439
Potassium	3.78		0.534	2.00	1	10/15/2020 20:41	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 20:41	WG1556439
Sodium	737		0.630	2.00	1	10/15/2020 20:41	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		1.57	5.00	50	10/14/2020 15:03	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120		10/14/2020 15:03	WG1558684

Sample Narrative:

L1271298-05 WG1558684: Dilution due to foam.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 06:56	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 06:56	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 06:56	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 06:56	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 06:56	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 06:56	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 06:56	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 06:56	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 06:56	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 06:56	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 06:56	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 06:56	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 06:56	WG1559339

Collected date/time: 10/06/20 11:15

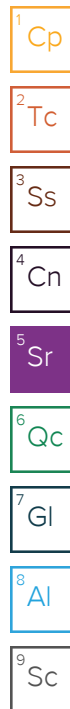
L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/16/2020 06:56	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 06:56	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 06:56	WG1559339
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 06:56	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 06:56	WG1559339
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 06:56	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 06:56	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 06:56	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 06:56	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 06:56	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 06:56	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 06:56	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 06:56	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 06:56	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 06:56	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 06:56	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 06:56	WG1559339
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 06:56	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 06:56	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 06:56	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 06:56	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 06:56	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 06:56	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 06:56	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 06:56	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 06:56	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 06:56	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 20:39	WG1560572
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 06:56	WG1559339
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 06:56	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 06:56	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 06:56	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 06:56	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 06:56	WG1559339
(S) Toluene-d8	108			80.0-120		10/16/2020 06:56	WG1559339
(S) Toluene-d8	107			80.0-120		10/16/2020 20:39	WG1560572
(S) 4-Bromofluorobenzene	102			77.0-126		10/16/2020 06:56	WG1559339
(S) 4-Bromofluorobenzene	91.8			77.0-126		10/16/2020 20:39	WG1560572
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/16/2020 06:56	WG1559339
(S) 1,2-Dichloroethane-d4	119			70.0-130		10/16/2020 20:39	WG1560572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.122		0.0247	0.100	1	10/13/2020 22:40	WG1557496
(S) o-Terphenyl	100			31.0-160		10/13/2020 22:40	WG1557496



Collected date/time: 10/06/20 10:30

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	6470		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:49	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2180		37.9	100	100	10/13/2020 18:32	WG1557661
Fluoride	5.58		0.640	1.50	10	10/13/2020 18:14	WG1557661
Sulfate	2600		59.4	500	100	10/13/2020 18:32	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00397		0.000735	0.00200	1	10/15/2020 20:45	WG1556439
Barium	0.0158	J	0.00778	0.0200	1	10/15/2020 20:45	WG1556439
Calcium	726		0.480	1.00	1	10/15/2020 20:45	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:45	WG1556439
Iron	1.95		0.0489	0.100	1	10/15/2020 20:45	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 20:45	WG1556439
Manganese	4.98		0.00132	0.00500	1	10/15/2020 20:45	WG1556439
Potassium	7.03		0.534	2.00	1	10/15/2020 20:45	WG1556439
Selenium	U		0.000657	0.00200	1	10/15/2020 20:45	WG1556439
Sodium	1200		3.15	10.0	5	10/15/2020 21:04	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0582	J	0.0314	0.100	1	10/14/2020 12:09	WG1558684
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120		10/14/2020 12:09	WG1558684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 07:15	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 07:15	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 07:15	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 07:15	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 07:15	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 07:15	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 07:15	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 07:15	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 07:15	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 07:15	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 07:15	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 07:15	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 07:15	WG1559339
Chloromethane	U		0.000960	0.00250	1	10/16/2020 07:15	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 07:15	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 07:15	WG1559339

Collected date/time: 10/06/20 10:30

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 07:15	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 07:15	WG1559339
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 07:15	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 07:15	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 07:15	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 07:15	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 07:15	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 07:15	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 07:15	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 07:15	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 07:15	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 07:15	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 07:15	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 07:15	WG1559339
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 07:15	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 07:15	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 07:15	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 07:15	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 07:15	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 07:15	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 07:15	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 07:15	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 07:15	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 07:15	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 21:00	WG1560572
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 07:15	WG1559339
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 07:15	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 07:15	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 07:15	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 07:15	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 07:15	WG1559339
(S) Toluene-d8	107			80.0-120		10/16/2020 07:15	WG1559339
(S) Toluene-d8	104			80.0-120		10/16/2020 21:00	WG1560572
(S) 4-Bromofluorobenzene	103			77.0-126		10/16/2020 07:15	WG1559339
(S) 4-Bromofluorobenzene	101			77.0-126		10/16/2020 21:00	WG1560572
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/16/2020 07:15	WG1559339
(S) 1,2-Dichloroethane-d4	129			70.0-130		10/16/2020 21:00	WG1560572

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.333		0.0247	0.100	1	10/13/2020 23:01	WG1557496
(S) o-Terphenyl	104			31.0-160		10/13/2020 23:01	WG1557496

Collected date/time: 10/06/20 14:35

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8370		14.1	50.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	7.45		0.500	1.00	10	10/18/2020 01:50	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1800		37.9	100	100	10/13/2020 19:08	WG1557661
Fluoride	8.34		0.0640	0.150	1	10/13/2020 18:50	WG1557661
Sulfate	3610		59.4	500	100	10/13/2020 19:08	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0779		0.000735	0.00200	1	10/15/2020 20:48	WG1556439
Barium	0.0153	J	0.00778	0.0200	1	10/15/2020 20:48	WG1556439
Calcium	554		0.480	1.00	1	10/15/2020 20:48	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 20:48	WG1556439
Iron	0.0779	J	0.0489	0.100	1	10/15/2020 20:48	WG1556439
Lead	0.00433	J	0.00249	0.00500	1	10/15/2020 20:48	WG1556439
Manganese	1.39		0.00132	0.00500	1	10/15/2020 20:48	WG1556439
Potassium	35.8		0.534	2.00	1	10/15/2020 20:48	WG1556439
Selenium	0.0354		0.000657	0.00200	1	10/15/2020 20:48	WG1556439
Sodium	2000		3.15	10.0	5	10/15/2020 21:08	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.64		0.0314	0.100	1	10/16/2020 08:43	WG1560065
(S) a,a,a-Trifluorotoluene(FID)	99.8			78.0-120		10/16/2020 08:43	WG1560065

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 07:35	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 07:35	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 07:35	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 07:35	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 07:35	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 07:35	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 07:35	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 07:35	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 07:35	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 07:35	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 07:35	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 07:35	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 07:35	WG1559339
Chloromethane	U		0.000960	0.00250	1	10/16/2020 07:35	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 07:35	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 07:35	WG1559339

Collected date/time: 10/06/20 14:35

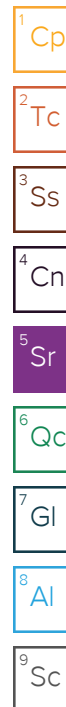
L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 07:35	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 07:35	WG1559339
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 07:35	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 07:35	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 07:35	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 07:35	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 07:35	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 07:35	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 07:35	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 07:35	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 07:35	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 07:35	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 07:35	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 07:35	WG1559339
Methyl tert-butyl ether	0.000761	U	0.000101	0.00100	1	10/16/2020 07:35	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 07:35	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 07:35	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 07:35	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 07:35	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 07:35	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 07:35	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 07:35	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 07:35	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 07:35	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 21:20	WG1560572
1,2,4-Trimethylbenzene	0.00157		0.000322	0.00100	1	10/16/2020 07:35	WG1559339
1,3,5-Trimethylbenzene	0.000124	U	0.000104	0.00100	1	10/16/2020 07:35	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 07:35	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 07:35	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 07:35	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 07:35	WG1559339
(S) Toluene-d8	109			80.0-120		10/16/2020 07:35	WG1559339
(S) Toluene-d8	102			80.0-120		10/16/2020 21:20	WG1560572
(S) 4-Bromofluorobenzene	101			77.0-126		10/16/2020 07:35	WG1559339
(S) 4-Bromofluorobenzene	102			77.0-126		10/16/2020 21:20	WG1560572
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/16/2020 07:35	WG1559339
(S) 1,2-Dichloroethane-d4	128			70.0-130		10/16/2020 21:20	WG1560572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	15.6		0.123	0.500	5	10/14/2020 05:25	WG1557496
(S) o-Terphenyl	111			31.0-160		10/14/2020 05:25	WG1557496



Collected date/time: 10/06/20 11:55

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4770		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0609	J	0.0500	0.100	1	10/18/2020 01:56	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1240		37.9	100	100	10/13/2020 20:19	WG1557661
Fluoride	2.96		0.320	0.750	5	10/13/2020 20:01	WG1557661
Sulfate	1860		59.4	500	100	10/13/2020 20:19	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00798		0.000735	0.00200	1	10/15/2020 15:24	WG1556439
Barium	0.0148	J	0.00778	0.0200	1	10/15/2020 15:24	WG1556439
Calcium	292		0.480	1.00	1	10/15/2020 15:24	WG1556439
Chromium	U		0.00149	0.00200	1	10/15/2020 15:24	WG1556439
Iron	0.700		0.0489	0.100	1	10/15/2020 15:24	WG1556439
Lead	U		0.00249	0.00500	1	10/15/2020 15:24	WG1556439
Manganese	0.491	V	0.00132	0.00500	1	10/15/2020 15:24	WG1556439
Potassium	3.46		0.534	2.00	1	10/15/2020 15:24	WG1556439
Selenium	0.000658	J	0.000657	0.00200	1	10/15/2020 15:24	WG1556439
Sodium	908		3.15	10.0	5	10/15/2020 21:58	WG1556439

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/15/2020 06:51	WG1559027
(S) a,a,a-Trifluorotoluene(FID)	122	J1		78.0-120		10/15/2020 06:51	WG1559027

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 08:21	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 08:21	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 08:21	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 08:21	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 08:21	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 08:21	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 08:21	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 08:21	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 08:21	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 08:21	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 08:21	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 08:21	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 08:21	WG1559339
Chloromethane	U		0.000960	0.00250	1	10/16/2020 08:21	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 08:21	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 08:21	WG1559339

Collected date/time: 10/06/20 11:55

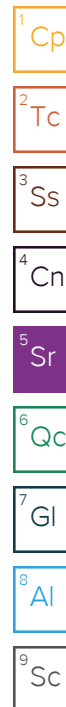
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 08:21	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 08:21	WG1559339
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 08:21	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 08:21	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 08:21	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 08:21	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 08:21	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 08:21	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 08:21	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 08:21	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 08:21	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 08:21	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 08:21	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 08:21	WG1559339
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 08:21	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 08:21	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 08:21	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 08:21	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 08:21	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 08:21	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 08:21	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 08:21	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 08:21	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 08:21	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 21:40	WG1560572
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 08:21	WG1559339
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 08:21	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 08:21	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 08:21	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 08:21	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 08:21	WG1559339
(S) Toluene-d8	107			80.0-120		10/16/2020 08:21	WG1559339
(S) Toluene-d8	103			80.0-120		10/16/2020 21:40	WG1560572
(S) 4-Bromofluorobenzene	102			77.0-126		10/16/2020 08:21	WG1559339
(S) 4-Bromofluorobenzene	97.8			77.0-126		10/16/2020 21:40	WG1560572
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/16/2020 08:21	WG1559339
(S) 1,2-Dichloroethane-d4	124			70.0-130		10/16/2020 21:40	WG1560572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.153		0.0247	0.100	1	10/14/2020 11:42	WG1557496
(S) o-Terphenyl	98.9			31.0-160		10/14/2020 11:42	WG1557496



Collected date/time: 10/06/20 12:50

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	11400		18.8	66.7	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:58	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4850		37.9	100	100	10/13/2020 20:55	WG1557661
Fluoride	2.27		0.0640	0.150	1	10/13/2020 20:37	WG1557661
Sulfate	2870		59.4	500	100	10/13/2020 20:55	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00831		0.000735	0.00200	1	10/13/2020 16:17	WG1556440
Barium	0.0220		0.00778	0.0200	1	10/13/2020 16:17	WG1556440
Calcium	922		0.480	1.00	1	10/13/2020 16:17	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 16:17	WG1556440
Iron	4.53		0.0489	0.100	1	10/13/2020 16:17	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 16:17	WG1556440
Manganese	2.54	V	0.00132	0.00500	1	10/13/2020 16:17	WG1556440
Potassium	15.8		0.534	2.00	1	10/13/2020 16:17	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 16:17	WG1556440
Sodium	2720		3.15	10.0	5	10/13/2020 18:56	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.159		0.0314	0.100	1	10/16/2020 10:36	WG1559436
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		10/16/2020 10:36	WG1559436

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 08:39	WG1559339
Benzene	U		0.0000941	0.00100	1	10/16/2020 08:39	WG1559339
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 08:39	WG1559339
Bromoform	U		0.000129	0.00100	1	10/16/2020 08:39	WG1559339
Bromomethane	U		0.000605	0.00500	1	10/16/2020 08:39	WG1559339
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 08:39	WG1559339
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 08:39	WG1559339
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 08:39	WG1559339
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 08:39	WG1559339
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 08:39	WG1559339
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 08:39	WG1559339
Chloroethane	U		0.000192	0.00500	1	10/16/2020 08:39	WG1559339
Chloroform	U		0.000111	0.00500	1	10/16/2020 08:39	WG1559339
Chloromethane	U		0.000960	0.00250	1	10/16/2020 08:39	WG1559339
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 08:39	WG1559339
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 08:39	WG1559339

Collected date/time: 10/06/20 12:50

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 08:39	WG1559339
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 08:39	WG1559339
cis-1,2-Dichloroethene	0.000170	BJ	0.000126	0.00100	1	10/16/2020 08:39	WG1559339
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 08:39	WG1559339
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 08:39	WG1559339
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 08:39	WG1559339
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 08:39	WG1559339
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 08:39	WG1559339
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 08:39	WG1559339
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 08:39	WG1559339
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 08:39	WG1559339
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 08:39	WG1559339
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 08:39	WG1559339
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 08:39	WG1559339
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 08:39	WG1559339
Naphthalene	U		0.00100	0.00500	1	10/16/2020 08:39	WG1559339
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 08:39	WG1559339
Styrene	U		0.000118	0.00100	1	10/16/2020 08:39	WG1559339
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 08:39	WG1559339
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 08:39	WG1559339
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 08:39	WG1559339
Toluene	U		0.000278	0.00100	1	10/16/2020 08:39	WG1559339
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 08:39	WG1559339
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 08:39	WG1559339
Trichloroethene	U		0.000190	0.00100	1	10/16/2020 22:00	WG1560572
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 08:39	WG1559339
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 08:39	WG1559339
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 08:39	WG1559339
o-Xylene	U		0.000174	0.00100	1	10/16/2020 08:39	WG1559339
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 08:39	WG1559339
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 08:39	WG1559339
(S) Toluene-d8	110			80.0-120		10/16/2020 08:39	WG1559339
(S) Toluene-d8	104			80.0-120		10/16/2020 22:00	WG1560572
(S) 4-Bromofluorobenzene	102			77.0-126		10/16/2020 08:39	WG1559339
(S) 4-Bromofluorobenzene	103			77.0-126		10/16/2020 22:00	WG1560572
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/16/2020 08:39	WG1559339
(S) 1,2-Dichloroethane-d4	123			70.0-130		10/16/2020 22:00	WG1560572

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.622		0.0247	0.100	1	10/14/2020 00:01	WG1557496
(S) o-Terphenyl	102			31.0-160		10/14/2020 00:01	WG1557496

Collected date/time: 10/06/20 13:30

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10800		18.8	66.7	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 01:59	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2680		37.9	100	100	10/13/2020 21:31	WG1557661
Fluoride	2.75		0.0640	0.150	1	10/13/2020 21:13	WG1557661
Sulfate	3640		59.4	500	100	10/13/2020 21:31	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0974		0.000735	0.00200	1	10/13/2020 16:30	WG1556440
Barium	0.0149	J	0.00778	0.0200	1	10/13/2020 16:30	WG1556440
Calcium	643		0.480	1.00	1	10/13/2020 16:30	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 16:30	WG1556440
Iron	10.4		0.0489	0.100	1	10/13/2020 16:30	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 16:30	WG1556440
Manganese	2.63		0.00132	0.00500	1	10/13/2020 16:30	WG1556440
Potassium	6.37		0.534	2.00	1	10/13/2020 16:30	WG1556440
Selenium	0.00159	J	0.000657	0.00200	1	10/13/2020 16:30	WG1556440
Sodium	2590		3.15	10.0	5	10/13/2020 18:59	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.878		0.0314	0.100	1	10/16/2020 10:59	WG1559436
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120		10/16/2020 10:59	WG1559436

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 15:31	WG1560666
Benzene	U		0.0000941	0.00100	1	10/17/2020 15:31	WG1560666
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 15:31	WG1560666
Bromoform	U		0.000129	0.00100	1	10/17/2020 15:31	WG1560666
Bromomethane	U		0.000605	0.00500	1	10/17/2020 15:31	WG1560666
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 15:31	WG1560666
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 15:31	WG1560666
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 15:31	WG1560666
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 15:31	WG1560666
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 15:31	WG1560666
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 15:31	WG1560666
Chloroethane	U		0.000192	0.00500	1	10/17/2020 15:31	WG1560666
Chloroform	U		0.000111	0.00500	1	10/17/2020 15:31	WG1560666
Chloromethane	U		0.000960	0.00250	1	10/17/2020 15:31	WG1560666
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 15:31	WG1560666
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 15:31	WG1560666

Collected date/time: 10/06/20 13:30

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 15:31	WG1560666
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 15:31	WG1560666
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 15:31	WG1560666
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 15:31	WG1560666
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 15:31	WG1560666
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 15:31	WG1560666
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 15:31	WG1560666
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 15:31	WG1560666
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 15:31	WG1560666
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 15:31	WG1560666
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 15:31	WG1560666
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 15:31	WG1560666
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 15:31	WG1560666
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 15:31	WG1560666
Methyl tert-butyl ether	0.00157		0.000101	0.00100	1	10/20/2020 04:27	WG1561731
Naphthalene	U		0.00100	0.00500	1	10/17/2020 15:31	WG1560666
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 15:31	WG1560666
Styrene	U		0.000118	0.00100	1	10/17/2020 15:31	WG1560666
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 15:31	WG1560666
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 15:31	WG1560666
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 15:31	WG1560666
Toluene	U		0.000278	0.00100	1	10/17/2020 15:31	WG1560666
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 15:31	WG1560666
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 15:31	WG1560666
Trichloroethene	U		0.000190	0.00100	1	10/20/2020 04:27	WG1561731
1,2,4-Trimethylbenzene	0.000917	U	0.000322	0.00100	1	10/17/2020 15:31	WG1560666
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 15:31	WG1560666
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 15:31	WG1560666
o-Xylene	U		0.000174	0.00100	1	10/17/2020 15:31	WG1560666
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 15:31	WG1560666
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 15:31	WG1560666
(S) Toluene-d8	113			80.0-120		10/17/2020 15:31	WG1560666
(S) Toluene-d8	108			80.0-120		10/20/2020 04:27	WG1561731
(S) 4-Bromofluorobenzene	108			77.0-126		10/17/2020 15:31	WG1560666
(S) 4-Bromofluorobenzene	109			77.0-126		10/20/2020 04:27	WG1561731
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 15:31	WG1560666
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/20/2020 04:27	WG1561731

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.45		0.0247	0.100	1	10/14/2020 00:21	WG1557496
(S) o-Terphenyl	101			31.0-160		10/14/2020 00:21	WG1557496

Collected date/time: 10/06/20 17:20

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5330		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:00	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1220		37.9	100	100	10/13/2020 22:07	WG1557661
Fluoride	3.14		0.320	0.750	5	10/13/2020 21:49	WG1557661
Sulfate	2090		59.4	500	100	10/13/2020 22:07	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0401		0.000735	0.00200	1	10/13/2020 16:33	WG1556440
Barium	0.0127	J	0.00778	0.0200	1	10/13/2020 16:33	WG1556440
Calcium	426		0.480	1.00	1	10/13/2020 16:33	WG1556440
Chromium	0.00176	J	0.00149	0.00200	1	10/13/2020 16:33	WG1556440
Iron	3.36		0.0489	0.100	1	10/13/2020 16:33	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 16:33	WG1556440
Manganese	0.682		0.00132	0.00500	1	10/13/2020 16:33	WG1556440
Potassium	25.7		0.534	2.00	1	10/13/2020 16:33	WG1556440
Selenium	0.00228		0.000657	0.00200	1	10/13/2020 16:33	WG1556440
Sodium	975		0.630	2.00	1	10/13/2020 16:33	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.11		0.0314	0.100	1	10/16/2020 11:21	WG1559436
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120		10/16/2020 11:21	WG1559436

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:29	WG1560682
Benzene	U		0.0000941	0.00100	1	10/17/2020 05:29	WG1560682
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:29	WG1560682
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:29	WG1560682
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:29	WG1560682
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:29	WG1560682
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 05:29	WG1560682
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:29	WG1560682
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/17/2020 05:29	WG1560682
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:29	WG1560682
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:29	WG1560682
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:29	WG1560682
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:29	WG1560682
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:29	WG1560682
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:29	WG1560682
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:29	WG1560682

Collected date/time: 10/06/20 17:20

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:29	WG1560682
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:29	WG1560682
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:29	WG1560682
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:29	WG1560682
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:29	WG1560682
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:29	WG1560682
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 05:29	WG1560682
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 05:29	WG1560682
Isopropylbenzene	0.00944		0.000105	0.00100	1	10/17/2020 05:29	WG1560682
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:29	WG1560682
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:29	WG1560682
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:29	WG1560682
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:29	WG1560682
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:29	WG1560682
Methyl tert-butyl ether	0.00743		0.000101	0.00100	1	10/17/2020 05:29	WG1560682
Naphthalene	U		0.00100	0.00500	1	10/18/2020 10:25	WG1561134
n-Propylbenzene	0.000372	J	0.0000993	0.00100	1	10/17/2020 05:29	WG1560682
Styrene	U		0.000118	0.00100	1	10/17/2020 05:29	WG1560682
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:29	WG1560682
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:29	WG1560682
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:29	WG1560682
Toluene	U		0.000278	0.00100	1	10/17/2020 05:29	WG1560682
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/17/2020 05:29	WG1560682
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:29	WG1560682
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:29	WG1560682
1,2,4-Trimethylbenzene	0.000376	J	0.000322	0.00100	1	10/17/2020 05:29	WG1560682
1,3,5-Trimethylbenzene	0.000320	J	0.000104	0.00100	1	10/17/2020 05:29	WG1560682
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:29	WG1560682
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:29	WG1560682
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 05:29	WG1560682
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 05:29	WG1560682
(S) Toluene-d8	110			80.0-120		10/17/2020 05:29	WG1560682
(S) Toluene-d8	102			80.0-120		10/18/2020 10:25	WG1561134
(S) 4-Bromofluorobenzene	95.9			77.0-126		10/17/2020 05:29	WG1560682
(S) 4-Bromofluorobenzene	96.5			77.0-126		10/18/2020 10:25	WG1561134
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/17/2020 05:29	WG1560682
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/18/2020 10:25	WG1561134

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.4		0.123	0.500	5	10/14/2020 05:45	WG1557496
(S) o-Terphenyl	107			31.0-160		10/14/2020 05:45	WG1557496

Collected date/time: 10/06/20 16:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5680		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:01	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1520		37.9	100	100	10/13/2020 22:43	WG1557661
Fluoride	7.66		0.640	1.50	10	10/13/2020 22:25	WG1557661
Sulfate	2010		59.4	500	100	10/13/2020 22:43	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.320		0.000735	0.00200	1	10/13/2020 16:36	WG1556440
Barium	0.0146	J	0.00778	0.0200	1	10/13/2020 16:36	WG1556440
Calcium	362		0.480	1.00	1	10/13/2020 16:36	WG1556440
Chromium	0.00240		0.00149	0.00200	1	10/13/2020 16:36	WG1556440
Iron	5.28		0.0489	0.100	1	10/13/2020 16:36	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 16:36	WG1556440
Manganese	0.885		0.00132	0.00500	1	10/13/2020 16:36	WG1556440
Potassium	17.9		0.534	2.00	1	10/13/2020 16:36	WG1556440
Selenium	0.00271		0.000657	0.00200	1	10/13/2020 16:36	WG1556440
Sodium	1470		3.15	10.0	5	10/13/2020 19:02	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.45		0.0314	0.100	1	10/19/2020 17:10	WG1561736
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120		10/19/2020 17:10	WG1561736

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	10/17/2020 16:13	WG1560846
Benzene	U		0.00235	0.0250	25	10/17/2020 16:13	WG1560846
Bromodichloromethane	U		0.00340	0.0250	25	10/17/2020 16:13	WG1560846
Bromoform	U		0.00322	0.0250	25	10/17/2020 16:13	WG1560846
Bromomethane	U		0.0151	0.125	25	10/17/2020 16:13	WG1560846
n-Butylbenzene	U		0.00393	0.0250	25	10/17/2020 16:13	WG1560846
sec-Butylbenzene	U		0.00313	0.0250	25	10/17/2020 16:13	WG1560846
Carbon disulfide	U		0.00241	0.0250	25	10/17/2020 16:13	WG1560846
Carbon tetrachloride	U		0.00320	0.0250	25	10/17/2020 16:13	WG1560846
Chlorobenzene	U		0.00290	0.0250	25	10/17/2020 16:13	WG1560846
Chlorodibromomethane	U		0.00350	0.0250	25	10/17/2020 16:13	WG1560846
Chloroethane	U		0.00480	0.125	25	10/17/2020 16:13	WG1560846
Chloroform	U		0.00278	0.125	25	10/17/2020 16:13	WG1560846
Chloromethane	U		0.0240	0.0625	25	10/17/2020 16:13	WG1560846
1,2-Dibromoethane	U		0.00315	0.0250	25	10/17/2020 16:13	WG1560846
1,1-Dichloroethane	U		0.00250	0.0250	25	10/17/2020 16:13	WG1560846

Collected date/time: 10/06/20 16:25

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00205	0.0250	25	10/17/2020 16:13	WG1560846
1,1-Dichloroethene	U		0.00470	0.0250	25	10/17/2020 16:13	WG1560846
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	10/17/2020 16:13	WG1560846
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	10/17/2020 16:13	WG1560846
1,2-Dichloropropane	U		0.00373	0.0250	25	10/17/2020 16:13	WG1560846
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	10/17/2020 16:13	WG1560846
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	10/17/2020 16:13	WG1560846
Ethylbenzene	U		0.00343	0.0250	25	10/17/2020 16:13	WG1560846
Isopropylbenzene	0.00529	J	0.00263	0.0250	25	10/17/2020 16:13	WG1560846
p-Isopropyltoluene	U		0.00300	0.0250	25	10/17/2020 16:13	WG1560846
2-Butanone (MEK)	U		0.0298	0.250	25	10/17/2020 16:13	WG1560846
2-Hexanone	U		0.0197	0.250	25	10/17/2020 16:13	WG1560846
Methylene Chloride	U		0.0107	0.125	25	10/17/2020 16:13	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	10/17/2020 16:13	WG1560846
Methyl tert-butyl ether	0.00583	J	0.00253	0.0250	25	10/17/2020 16:13	WG1560846
Naphthalene	U		0.0250	0.125	25	10/17/2020 16:13	WG1560846
n-Propylbenzene	U		0.00248	0.0250	25	10/17/2020 16:13	WG1560846
Styrene	U		0.00295	0.0250	25	10/17/2020 16:13	WG1560846
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	10/17/2020 16:13	WG1560846
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	10/17/2020 16:13	WG1560846
Tetrachloroethene	U		0.00750	0.0250	25	10/17/2020 16:13	WG1560846
Toluene	U		0.00695	0.0250	25	10/17/2020 16:13	WG1560846
1,1,1-Trichloroethane	U		0.00373	0.0250	25	10/17/2020 16:13	WG1560846
1,1,2-Trichloroethane	U		0.00395	0.0250	25	10/17/2020 16:13	WG1560846
Trichloroethene	U		0.00475	0.0250	25	10/17/2020 16:13	WG1560846
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	10/17/2020 16:13	WG1560846
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	10/17/2020 16:13	WG1560846
Vinyl chloride	U		0.00585	0.0250	25	10/17/2020 16:13	WG1560846
o-Xylene	U		0.00435	0.0250	25	10/17/2020 16:13	WG1560846
m&p-Xylene	U		0.0107	0.0500	25	10/17/2020 16:13	WG1560846
Xylenes, Total	U		0.00435	0.0750	25	10/17/2020 16:13	WG1560846
(S) Toluene-d8	109			80.0-120		10/17/2020 16:13	WG1560846
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 16:13	WG1560846
(S) 1,2-Dichloroethane-d4	89.2			70.0-130		10/17/2020 16:13	WG1560846

Sample Narrative:

L1271298-12 WG1560846: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	15.1		0.247	1.00	10	10/14/2020 06:05	WG1557496
(S) o-Terphenyl	589	J1		31.0-160		10/14/2020 06:05	WG1557496

Sample Narrative:

L1271298-12 WG1557496: Surrogate failure due to matrix interference

Collected date/time: 10/07/20 08:45

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5040		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:04	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	957		37.9	100	100	10/14/2020 01:19	WG1557661
Fluoride	4.48		0.320	0.750	5	10/14/2020 01:01	WG1557661
Sulfate	2380		59.4	500	100	10/14/2020 01:19	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0321		0.000735	0.00200	1	10/13/2020 16:39	WG1556440
Barium	0.0276		0.00778	0.0200	1	10/13/2020 16:39	WG1556440
Calcium	349		0.480	1.00	1	10/13/2020 16:39	WG1556440
Chromium	0.0189		0.00149	0.00200	1	10/13/2020 16:39	WG1556440
Iron	6.79		0.0489	0.100	1	10/13/2020 16:39	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 16:39	WG1556440
Manganese	0.258		0.00132	0.00500	1	10/13/2020 16:39	WG1556440
Potassium	31.8		0.534	2.00	1	10/13/2020 16:39	WG1556440
Selenium	0.00298		0.000657	0.00200	1	10/13/2020 16:39	WG1556440
Sodium	659		0.630	2.00	1	10/13/2020 16:39	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.17		0.0314	0.100	1	10/19/2020 17:32	WG1561736
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		10/19/2020 17:32	WG1561736

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 02:39	WG1560699
Benzene	0.000236	J	0.0000941	0.00100	1	10/17/2020 02:39	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 02:39	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 02:39	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 02:39	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 02:39	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 02:39	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 02:39	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 02:39	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 02:39	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 02:39	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 02:39	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 02:39	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 02:39	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 02:39	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 02:39	WG1560699

Collected date/time: 10/07/20 08:45

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 02:39	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 02:39	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 02:39	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 02:39	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 02:39	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 02:39	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 02:39	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 02:39	WG1560699
Isopropylbenzene	0.00263		0.000105	0.00100	1	10/17/2020 02:39	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 02:39	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 02:39	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 02:39	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 02:39	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 02:39	WG1560699
Methyl tert-butyl ether	0.000649	U	0.000101	0.00100	1	10/17/2020 02:39	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 02:39	WG1560699
n-Propylbenzene	0.000165	U	0.0000993	0.00100	1	10/17/2020 02:39	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 02:39	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 02:39	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 02:39	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 02:39	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 02:39	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 02:39	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 02:39	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 02:39	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 02:39	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 02:39	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 02:39	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 02:39	WG1560699
m&p-Xylene	0.00127	U	0.000430	0.00200	1	10/17/2020 02:39	WG1560699
Xylenes, Total	0.00127	U	0.000174	0.00300	1	10/17/2020 02:39	WG1560699
(S) Toluene-d8	102			80.0-120		10/17/2020 02:39	WG1560699
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 02:39	WG1560699
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		10/17/2020 02:39	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	10.2		0.247	1.00	10	10/18/2020 16:41	WG1557910
(S) o-Terphenyl	147			31.0-160		10/18/2020 16:41	WG1557910

Collected date/time: 10/07/20 09:30

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5250		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.210		0.0500	0.100	1	10/18/2020 02:05	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1250		37.9	100	100	10/14/2020 01:55	WG1557661
Fluoride	1.97		0.320	0.750	5	10/14/2020 01:37	WG1557661
Sulfate	1980		59.4	500	100	10/14/2020 01:55	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0340		0.000735	0.00200	1	10/13/2020 17:06	WG1556440
Barium	0.0142	J	0.00778	0.0200	1	10/13/2020 17:06	WG1556440
Calcium	514		0.480	1.00	1	10/13/2020 17:06	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:06	WG1556440
Iron	0.0772	J	0.0489	0.100	1	10/13/2020 17:06	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:06	WG1556440
Manganese	1.27		0.00132	0.00500	1	10/13/2020 17:06	WG1556440
Potassium	5.94		0.534	2.00	1	10/13/2020 17:06	WG1556440
Selenium	0.00722		0.000657	0.00200	1	10/13/2020 17:06	WG1556440
Sodium	822		0.630	2.00	1	10/13/2020 17:06	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	4.06	B J	1.57	5.00	50	10/15/2020 16:33	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120		10/15/2020 16:33	WG1559681

Sample Narrative:

L1271298-14 WG1559681: Lowest possible dilution due to sample foaming.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2020 14:41	WG1561144
Benzene	U		0.0000941	0.00100	1	10/18/2020 14:41	WG1561144
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2020 14:41	WG1561144
Bromoform	U		0.000129	0.00100	1	10/18/2020 14:41	WG1561144
Bromomethane	U		0.000605	0.00500	1	10/18/2020 14:41	WG1561144
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2020 14:41	WG1561144
sec-Butylbenzene	0.000140	J	0.000125	0.00100	1	10/18/2020 14:41	WG1561144
Carbon disulfide	0.000107	J	0.0000962	0.00100	1	10/18/2020 14:41	WG1561144
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2020 14:41	WG1561144
Chlorobenzene	U		0.000116	0.00100	1	10/18/2020 14:41	WG1561144
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2020 14:41	WG1561144
Chloroethane	U		0.000192	0.00500	1	10/18/2020 14:41	WG1561144
Chloroform	U		0.000111	0.00500	1	10/18/2020 14:41	WG1561144

Collected date/time: 10/07/20 09:30

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/18/2020 14:41	WG1561144
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2020 14:41	WG1561144
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2020 14:41	WG1561144
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2020 14:41	WG1561144
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2020 14:41	WG1561144
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2020 14:41	WG1561144
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2020 14:41	WG1561144
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2020 14:41	WG1561144
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2020 14:41	WG1561144
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2020 14:41	WG1561144
Ethylbenzene	U		0.000137	0.00100	1	10/18/2020 14:41	WG1561144
Isopropylbenzene	0.000139	U	0.000105	0.00100	1	10/18/2020 14:41	WG1561144
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2020 14:41	WG1561144
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2020 14:41	WG1561144
2-Hexanone	U		0.000787	0.0100	1	10/18/2020 14:41	WG1561144
Methylene Chloride	U		0.000430	0.00500	1	10/18/2020 14:41	WG1561144
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2020 14:41	WG1561144
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/18/2020 14:41	WG1561144
Naphthalene	U		0.00100	0.00500	1	10/18/2020 14:41	WG1561144
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2020 14:41	WG1561144
Styrene	U		0.000118	0.00100	1	10/18/2020 14:41	WG1561144
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2020 14:41	WG1561144
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2020 14:41	WG1561144
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2020 14:41	WG1561144
Toluene	U		0.000278	0.00100	1	10/18/2020 14:41	WG1561144
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2020 14:41	WG1561144
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2020 14:41	WG1561144
Trichloroethene	0.000491	U	0.000190	0.00100	1	10/18/2020 14:41	WG1561144
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2020 14:41	WG1561144
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2020 14:41	WG1561144
Vinyl chloride	U		0.000234	0.00100	1	10/18/2020 14:41	WG1561144
o-Xylene	U		0.000174	0.00100	1	10/18/2020 14:41	WG1561144
m&p-Xylene	U		0.000430	0.00200	1	10/18/2020 14:41	WG1561144
Xylenes, Total	U		0.000174	0.00300	1	10/18/2020 14:41	WG1561144
(S) Toluene-d8	111			80.0-120		10/18/2020 14:41	WG1561144
(S) 4-Bromofluorobenzene	101			77.0-126		10/18/2020 14:41	WG1561144
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/18/2020 14:41	WG1561144

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.84		0.0247	0.100	1	10/15/2020 05:01	WG1557910
(S) o-Terphenyl	107			31.0-160		10/15/2020 05:01	WG1557910

Collected date/time: 10/06/20 12:55

L1271298

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00645		0.000735	0.00200	1	10/13/2020 17:09	WG1556440
Barium	0.0106	J	0.00778	0.0200	1	10/13/2020 17:09	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:09	WG1556440
Iron	U		0.0489	0.100	1	10/13/2020 17:09	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:09	WG1556440
Manganese	0.898		0.00132	0.00500	1	10/13/2020 17:09	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 17:09	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0806	B J	0.0314	0.100	1	10/15/2020 16:54	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	96.2			78.0-120		10/15/2020 16:54	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:50	WG1560682
Benzene	U		0.0000941	0.00100	1	10/17/2020 05:50	WG1560682
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:50	WG1560682
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:50	WG1560682
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:50	WG1560682
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:50	WG1560682
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 05:50	WG1560682
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:50	WG1560682
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/17/2020 05:50	WG1560682
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:50	WG1560682
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:50	WG1560682
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:50	WG1560682
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:50	WG1560682
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:50	WG1560682
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:50	WG1560682
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:50	WG1560682
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:50	WG1560682
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:50	WG1560682
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:50	WG1560682
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:50	WG1560682
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:50	WG1560682
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:50	WG1560682
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 05:50	WG1560682
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 05:50	WG1560682
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 05:50	WG1560682
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:50	WG1560682
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:50	WG1560682
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:50	WG1560682
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:50	WG1560682
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:50	WG1560682
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 05:50	WG1560682
Naphthalene	U		0.00100	0.00500	1	10/18/2020 10:45	WG1561134
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 05:50	WG1560682
Styrene	U		0.000118	0.00100	1	10/17/2020 05:50	WG1560682
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:50	WG1560682
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:50	WG1560682
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:50	WG1560682

Collected date/time: 10/06/20 12:55

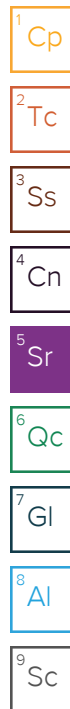
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/17/2020 05:50	WG1560682
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/17/2020 05:50	WG1560682
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:50	WG1560682
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:50	WG1560682
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:50	WG1560682
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:50	WG1560682
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:50	WG1560682
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:50	WG1560682
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 05:50	WG1560682
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 05:50	WG1560682
(S) Toluene-d8	103			80.0-120		10/17/2020 05:50	WG1560682
(S) Toluene-d8	99.9			80.0-120		10/18/2020 10:45	WG1561134
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 05:50	WG1560682
(S) 4-Bromofluorobenzene	97.8			77.0-126		10/18/2020 10:45	WG1561134
(S) 1,2-Dichloroethane-d4	119			70.0-130		10/17/2020 05:50	WG1560682
(S) 1,2-Dichloroethane-d4	111			70.0-130		10/18/2020 10:45	WG1561134

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.405		0.0247	0.100	1	10/14/2020 01:02	WG1557496
(S) o-Terphenyl	98.4			31.0-160		10/14/2020 01:02	WG1557496



Collected date/time: 10/06/20 13:40

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	7820		14.1	50.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0711	J	0.0500	0.100	1	10/18/2020 02:24	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2770		37.9	100	100	10/14/2020 02:31	WG1557661
Fluoride	0.821		0.0640	0.150	1	10/14/2020 02:13	WG1557661
Sulfate	2450		59.4	500	100	10/14/2020 02:31	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0309		0.000735	0.00200	1	10/13/2020 17:13	WG1556440
Barium	0.0163	J	0.00778	0.0200	1	10/13/2020 17:13	WG1556440
Calcium	458		0.480	1.00	1	10/13/2020 17:13	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:13	WG1556440
Iron	3.96		0.0489	0.100	1	10/13/2020 17:13	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:13	WG1556440
Manganese	3.57		0.00132	0.00500	1	10/13/2020 17:13	WG1556440
Potassium	3.75		0.534	2.00	1	10/13/2020 17:13	WG1556440
Selenium	0.00147	J	0.000657	0.00200	1	10/13/2020 17:13	WG1556440
Sodium	1920		3.15	10.0	5	10/13/2020 19:32	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.68		0.0314	0.100	1	10/15/2020 17:14	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		10/15/2020 17:14	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 10:02	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 10:02	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 10:02	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 10:02	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 10:02	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 10:02	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 10:02	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 10:02	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 10:02	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 10:02	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 10:02	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 10:02	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 10:02	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 10:02	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 10:02	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 10:02	WG1560846

Collected date/time: 10/06/20 13:40

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 10:02	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 10:02	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 10:02	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 10:02	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 10:02	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 10:02	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 10:02	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 10:02	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 10:02	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 10:02	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 10:02	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 10:02	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 10:02	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 10:02	WG1560846
Methyl tert-butyl ether	0.00286		0.000101	0.00100	1	10/17/2020 10:02	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 10:02	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 10:02	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 10:02	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 10:02	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 10:02	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 10:02	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 10:02	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 10:02	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 10:02	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 10:02	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 10:02	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 10:02	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 10:02	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 10:02	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 10:02	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 10:02	WG1560846
(S) Toluene-d8	106			80.0-120		10/17/2020 10:02	WG1560846
(S) 4-Bromofluorobenzene	100			77.0-126		10/17/2020 10:02	WG1560846
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		10/17/2020 10:02	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.45		0.0247	0.100	1	10/14/2020 01:22	WG1557496
(S) o-Terphenyl	104			31.0-160		10/14/2020 01:22	WG1557496

Collected date/time: 10/06/20 14:45

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5080		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:25	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1250		37.9	100	100	10/14/2020 03:07	WG1557661
Fluoride	0.903		0.0640	0.150	1	10/14/2020 02:49	WG1557661
Sulfate	1710		59.4	500	100	10/14/2020 03:07	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0149		0.000735	0.00200	1	10/13/2020 17:16	WG1556440
Barium	0.0129	J	0.00778	0.0200	1	10/13/2020 17:16	WG1556440
Calcium	435		0.480	1.00	1	10/13/2020 17:16	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:16	WG1556440
Iron	0.208		0.0489	0.100	1	10/13/2020 17:16	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:16	WG1556440
Manganese	2.40		0.00132	0.00500	1	10/13/2020 17:16	WG1556440
Potassium	3.30		0.534	2.00	1	10/13/2020 17:16	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 17:16	WG1556440
Sodium	949		0.630	2.00	1	10/13/2020 17:16	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.640		0.0314	0.100	1	10/15/2020 17:35	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	94.9			78.0-120		10/15/2020 17:35	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 10:22	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 10:22	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 10:22	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 10:22	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 10:22	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 10:22	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 10:22	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 10:22	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 10:22	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 10:22	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 10:22	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 10:22	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 10:22	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 10:22	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 10:22	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 10:22	WG1560846

Collected date/time: 10/06/20 14:45

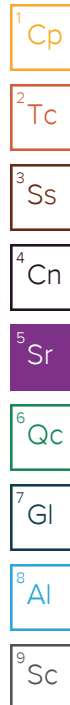
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 10:22	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 10:22	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 10:22	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 10:22	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 10:22	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 10:22	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 10:22	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 10:22	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 10:22	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 10:22	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 10:22	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 10:22	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 10:22	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 10:22	WG1560846
Methyl tert-butyl ether	0.00136		0.000101	0.00100	1	10/17/2020 10:22	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 10:22	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 10:22	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 10:22	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 10:22	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 10:22	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 10:22	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 10:22	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 10:22	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 10:22	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 10:22	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 10:22	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 10:22	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 10:22	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 10:22	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 10:22	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 10:22	WG1560846
(S) Toluene-d8	106			80.0-120		10/17/2020 10:22	WG1560846
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 10:22	WG1560846
(S) 1,2-Dichloroethane-d4	90.5			70.0-130		10/17/2020 10:22	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.76		0.0247	0.100	1	10/14/2020 01:42	WG1557496
(S) o-Terphenyl	96.3			31.0-160		10/14/2020 01:42	WG1557496



Collected date/time: 10/06/20 15:30

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5460		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:26	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1390		37.9	100	100	10/14/2020 04:54	WG1557661
Fluoride	1.07		0.0640	0.150	1	10/14/2020 03:24	WG1557661
Sulfate	1920		59.4	500	100	10/14/2020 04:54	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0195		0.000735	0.00200	1	10/13/2020 17:19	WG1556440
Barium	0.0317		0.00778	0.0200	1	10/13/2020 17:19	WG1556440
Calcium	524		0.480	1.00	1	10/13/2020 17:19	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:19	WG1556440
Iron	0.0586	J	0.0489	0.100	1	10/13/2020 17:19	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:19	WG1556440
Manganese	3.23		0.00132	0.00500	1	10/13/2020 17:19	WG1556440
Potassium	3.55		0.534	2.00	1	10/13/2020 17:19	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 17:19	WG1556440
Sodium	1100		3.15	10.0	5	10/13/2020 19:35	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.30		0.0314	0.100	1	10/15/2020 17:56	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		10/15/2020 17:56	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 10:43	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 10:43	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 10:43	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 10:43	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 10:43	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 10:43	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 10:43	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 10:43	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 10:43	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 10:43	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 10:43	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 10:43	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 10:43	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 10:43	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 10:43	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 10:43	WG1560846

Collected date/time: 10/06/20 15:30

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 10:43	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 10:43	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 10:43	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 10:43	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 10:43	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 10:43	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 10:43	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 10:43	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 10:43	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 10:43	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 10:43	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 10:43	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 10:43	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 10:43	WG1560846
Methyl tert-butyl ether	0.00174		0.000101	0.00100	1	10/17/2020 10:43	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 10:43	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 10:43	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 10:43	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 10:43	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 10:43	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 10:43	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 10:43	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 10:43	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 10:43	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 10:43	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 10:43	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 10:43	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 10:43	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 10:43	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 10:43	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 10:43	WG1560846
(S) Toluene-d8	105			80.0-120		10/17/2020 10:43	WG1560846
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 10:43	WG1560846
(S) 1,2-Dichloroethane-d4	89.8			70.0-130		10/17/2020 10:43	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.29		0.0247	0.100	1	10/14/2020 02:02	WG1557496
(S) o-Terphenyl	101			31.0-160		10/14/2020 02:02	WG1557496

Collected date/time: 10/06/20 12:00

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5000		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:28	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1350		37.9	100	100	10/14/2020 05:48	WG1557661
Fluoride	2.31		0.0640	0.150	1	10/14/2020 05:30	WG1557661
Sulfate	1640		59.4	500	100	10/14/2020 05:48	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.114		0.000735	0.00200	1	10/13/2020 17:22	WG1556440
Barium	0.0133	J	0.00778	0.0200	1	10/13/2020 17:22	WG1556440
Calcium	415		0.480	1.00	1	10/13/2020 17:22	WG1556440
Chromium	0.00183	J	0.00149	0.00200	1	10/13/2020 17:22	WG1556440
Iron	1.73		0.0489	0.100	1	10/13/2020 17:22	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:22	WG1556440
Manganese	1.74		0.00132	0.00500	1	10/13/2020 17:22	WG1556440
Potassium	5.63		0.534	2.00	1	10/13/2020 17:22	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 17:22	WG1556440
Sodium	921		0.630	2.00	1	10/13/2020 17:22	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.586		0.0314	0.100	1	10/15/2020 18:16	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120		10/15/2020 18:16	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:04	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:04	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:04	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:04	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:04	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:04	WG1560846
sec-Butylbenzene	0.000339	J	0.000125	0.00100	1	10/17/2020 11:04	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:04	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:04	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:04	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:04	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:04	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:04	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:04	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:04	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:04	WG1560846

Collected date/time: 10/06/20 12:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:04	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:04	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:04	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:04	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:04	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:04	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:04	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:04	WG1560846
Isopropylbenzene	0.00191		0.000105	0.00100	1	10/17/2020 11:04	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:04	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:04	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:04	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:04	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:04	WG1560846
Methyl tert-butyl ether	0.000244	U	0.000101	0.00100	1	10/17/2020 11:04	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:04	WG1560846
n-Propylbenzene	0.000126	U	0.0000993	0.00100	1	10/17/2020 11:04	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 11:04	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:04	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:04	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:04	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 11:04	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:04	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:04	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 11:04	WG1560846
1,2,4-Trimethylbenzene	0.000437	U	0.000322	0.00100	1	10/17/2020 11:04	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:04	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:04	WG1560846
o-Xylene	0.000202	U	0.000174	0.00100	1	10/17/2020 11:04	WG1560846
m&p-Xylene	0.00214		0.000430	0.00200	1	10/17/2020 11:04	WG1560846
Xylenes, Total	0.00234	U	0.000174	0.00300	1	10/17/2020 11:04	WG1560846
(S) Toluene-d8	109			80.0-120		10/17/2020 11:04	WG1560846
(S) 4-Bromofluorobenzene	107			77.0-126		10/17/2020 11:04	WG1560846
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		10/17/2020 11:04	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.93		0.0247	0.100	1	10/14/2020 02:24	WG1557496
(S) o-Terphenyl	113			31.0-160		10/14/2020 02:24	WG1557496

Collected date/time: 10/06/20 10:50

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	9910		18.8	66.7	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2020 02:29	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2110		37.9	100	100	10/14/2020 06:24	WG1557661
Fluoride	3.84		0.0640	0.150	1	10/14/2020 06:06	WG1557661
Sulfate	4220		59.4	500	100	10/14/2020 06:24	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.202		0.000735	0.00200	1	10/13/2020 17:25	WG1556440
Barium	0.0160	J	0.00778	0.0200	1	10/13/2020 17:25	WG1556440
Calcium	374		0.480	1.00	1	10/13/2020 17:25	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 17:25	WG1556440
Iron	5.02		0.0489	0.100	1	10/13/2020 17:25	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:25	WG1556440
Manganese	0.848		0.00132	0.00500	1	10/13/2020 17:25	WG1556440
Potassium	8.27		0.534	2.00	1	10/13/2020 17:25	WG1556440
Selenium	0.000974	J	0.000657	0.00200	1	10/13/2020 17:25	WG1556440
Sodium	2280		3.15	10.0	5	10/13/2020 19:39	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.75		0.0314	0.100	1	10/15/2020 18:37	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	98.2			78.0-120		10/15/2020 18:37	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:25	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:25	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:25	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:25	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:25	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:25	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 11:25	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:25	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:25	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:25	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:25	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:25	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:25	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:25	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:25	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:25	WG1560846

Collected date/time: 10/06/20 10:50

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:25	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:25	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:25	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:25	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:25	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:25	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:25	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:25	WG1560846
Isopropylbenzene	0.000616	U	0.000105	0.00100	1	10/17/2020 11:25	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:25	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:25	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:25	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:25	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:25	WG1560846
Methyl tert-butyl ether	0.00142		0.000101	0.00100	1	10/17/2020 11:25	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:25	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 11:25	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 11:25	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:25	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:25	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:25	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 11:25	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:25	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:25	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 11:25	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 11:25	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:25	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:25	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 11:25	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 11:25	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 11:25	WG1560846
(S) Toluene-d8	103			80.0-120		10/17/2020 11:25	WG1560846
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 11:25	WG1560846
(S) 1,2-Dichloroethane-d4	92.9			70.0-130		10/17/2020 11:25	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.72		0.0247	0.100	1	10/14/2020 02:44	WG1557496
(S) o-Terphenyl	100			31.0-160		10/14/2020 02:44	WG1557496

Collected date/time: 10/06/20 09:40

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	6330		11.3	40.0	1	10/13/2020 11:47	WG1558095

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J6	0.0500	0.100	1	10/18/2020 02:31	WG1558998

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1770		37.9	100	100	10/14/2020 07:00	WG1557661
Fluoride	1.42		0.0640	0.150	1	10/14/2020 06:42	WG1557661
Sulfate	2130		59.4	500	100	10/14/2020 07:00	WG1557661

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0373		0.000735	0.00200	1	10/13/2020 17:29	WG1556440
Barium	0.0164	J	0.00778	0.0200	1	10/13/2020 17:29	WG1556440
Calcium	327		0.480	1.00	1	10/13/2020 17:29	WG1556440
Chromium	0.00394		0.00149	0.00200	1	10/13/2020 17:29	WG1556440
Iron	4.89		0.0489	0.100	1	10/13/2020 17:29	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:29	WG1556440
Manganese	0.400		0.00132	0.00500	1	10/13/2020 17:29	WG1556440
Potassium	3.83		0.534	2.00	1	10/13/2020 17:29	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 17:29	WG1556440
Sodium	1470		3.15	10.0	5	10/13/2020 19:42	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.351	B	0.0314	0.100	1	10/15/2020 18:58	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		10/15/2020 18:58	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 11:45	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 11:45	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 11:45	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 11:45	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 11:45	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 11:45	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 11:45	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 11:45	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 11:45	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 11:45	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 11:45	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 11:45	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 11:45	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 11:45	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 11:45	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 11:45	WG1560846

Collected date/time: 10/06/20 09:40

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 11:45	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 11:45	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 11:45	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 11:45	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 11:45	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 11:45	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 11:45	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 11:45	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 11:45	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 11:45	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 11:45	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 11:45	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 11:45	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 11:45	WG1560846
Methyl tert-butyl ether	0.000957	U	0.000101	0.00100	1	10/17/2020 11:45	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 11:45	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 11:45	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 11:45	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 11:45	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 11:45	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 11:45	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 11:45	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 11:45	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 11:45	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 11:45	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 11:45	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 11:45	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 11:45	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 11:45	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 11:45	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 11:45	WG1560846
(S) Toluene-d8	103			80.0-120		10/17/2020 11:45	WG1560846
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 11:45	WG1560846
(S) 1,2-Dichloroethane-d4	87.4			70.0-130		10/17/2020 11:45	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.940		0.0247	0.100	1	10/14/2020 03:04	WG1557496
(S) o-Terphenyl	103			31.0-160		10/14/2020 03:04	WG1557496

Collected date/time: 10/06/20 08:40

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	15600		18.8	66.7	1	10/13/2020 19:46	WG1558089

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:04	WG1558999

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/15/2020 18:19	WG1559473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	5270		37.9	100	100	10/14/2020 16:07	WG1557662
Fluoride	2.36		0.320	0.750	5	10/14/2020 15:50	WG1557662
Sulfate	4260		59.4	500	100	10/14/2020 16:07	WG1557662

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/11/2020 11:27	WG1556620

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	1.08		0.0254	0.200	1	10/12/2020 05:14	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0669		0.000735	0.00200	1	10/13/2020 17:32	WG1556440
Barium	0.0196	J	0.00778	0.0200	1	10/13/2020 17:32	WG1556440
Cadmium	U		0.000478	0.00100	1	10/13/2020 17:32	WG1556440
Calcium	758		0.480	1.00	1	10/13/2020 17:32	WG1556440
Chromium	0.00203		0.00149	0.00200	1	10/13/2020 17:32	WG1556440
Cobalt	0.00192	J	0.000477	0.00200	1	10/13/2020 17:32	WG1556440
Iron	5.36		0.0489	0.100	1	10/13/2020 17:32	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:32	WG1556440
Manganese	2.42		0.00132	0.00500	1	10/13/2020 17:32	WG1556440
Nickel	0.0384		0.000952	0.00200	1	10/13/2020 17:32	WG1556440
Potassium	10.8		0.534	2.00	1	10/13/2020 17:32	WG1556440
Selenium	0.00156	J	0.000657	0.00200	1	10/13/2020 17:32	WG1556440
Sodium	3710		3.15	10.0	5	10/13/2020 19:45	WG1556440
Uranium	U		0.00754	0.0200	1	10/13/2020 17:32	WG1556440
Vanadium	0.00105	J	0.000986	0.00500	1	10/13/2020 17:32	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.644		0.0314	0.100	1	10/15/2020 19:18	WG1559681

Collected date/time: 10/06/20 08:40

L1271298

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	96.8			78.0-120		10/15/2020 19:18	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:06	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:06	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:06	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:06	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:06	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:06	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 12:06	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:06	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:06	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:06	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:06	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:06	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:06	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:06	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:06	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:06	WG1560846
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:06	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:06	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:06	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:06	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:06	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:06	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:06	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:06	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 12:06	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:06	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:06	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:06	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:06	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:06	WG1560846
Methyl tert-butyl ether	0.00342		0.000101	0.00100	1	10/17/2020 12:06	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:06	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:06	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 12:06	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:06	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:06	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:06	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 12:06	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:06	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:06	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 12:06	WG1560846
1,2,4-Trimethylbenzene	0.000474	J	0.000322	0.00100	1	10/17/2020 12:06	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:06	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:06	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:06	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:06	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:06	WG1560846
(S) Toluene-d8	107			80.0-120		10/17/2020 12:06	WG1560846
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 12:06	WG1560846
(S) 1,2-Dichloroethane-d4	87.8			70.0-130		10/17/2020 12:06	WG1560846

Collected date/time: 10/06/20 08:40

L1271298

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.17		0.0247	0.100	1	10/14/2020 03:24	WG1557496
(S) o-Terphenyl	95.8			31.0-160		10/14/2020 03:24	WG1557496

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

Collected date/time: 10/07/20 10:00

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5560		11.3	40.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0603	J	0.0500	0.100	1	10/16/2020 20:06	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1070		37.9	100	100	10/14/2020 16:43	WG1557662
Fluoride	2.78		0.320	0.750	5	10/14/2020 16:25	WG1557662
Sulfate	2020		59.4	500	100	10/14/2020 16:43	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00318		0.000735	0.00200	1	10/13/2020 17:35	WG1556440
Barium	0.0176	J	0.00778	0.0200	1	10/13/2020 17:35	WG1556440
Calcium	500		0.480	1.00	1	10/13/2020 17:35	WG1556440
Chromium	0.00201		0.00149	0.00200	1	10/13/2020 17:35	WG1556440
Iron	0.435		0.0489	0.100	1	10/13/2020 17:35	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 17:35	WG1556440
Manganese	1.03		0.00132	0.00500	1	10/13/2020 17:35	WG1556440
Potassium	3.50		0.534	2.00	1	10/13/2020 17:35	WG1556440
Selenium	0.000844	J	0.000657	0.00200	1	10/13/2020 17:35	WG1556440
Sodium	1070		3.15	10.0	5	10/13/2020 19:48	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0461	B J	0.0314	0.100	1	10/15/2020 19:39	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	96.6			78.0-120		10/15/2020 19:39	WG1559681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 03:00	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 03:00	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 03:00	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 03:00	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 03:00	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 03:00	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 03:00	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 03:00	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 03:00	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 03:00	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 03:00	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 03:00	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 03:00	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 03:00	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 03:00	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 03:00	WG1560699

Collected date/time: 10/07/20 10:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 03:00	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 03:00	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 03:00	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 03:00	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 03:00	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 03:00	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 03:00	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 03:00	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 03:00	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 03:00	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 03:00	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 03:00	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 03:00	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 03:00	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 03:00	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 03:00	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 03:00	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 03:00	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 03:00	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 03:00	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 03:00	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 03:00	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 03:00	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 03:00	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 03:00	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 03:00	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 03:00	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 03:00	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 03:00	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 03:00	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 03:00	WG1560699
(S) Toluene-d8	102			80.0-120		10/17/2020 03:00	WG1560699
(S) 4-Bromofluorobenzene	98.1			77.0-126		10/17/2020 03:00	WG1560699
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		10/17/2020 03:00	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.117		0.0247	0.100	1	10/17/2020 22:33	WG1557910
(S) o-Terphenyl	87.9			31.0-160		10/17/2020 22:33	WG1557910

Collected date/time: 10/07/20 08:30

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00376		0.000735	0.00200	1	10/13/2020 18:17	WG1556440
Barium	0.0224		0.00778	0.0200	1	10/13/2020 18:17	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 18:17	WG1556440
Iron	4.39		0.0489	0.100	1	10/13/2020 18:17	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 18:17	WG1556440
Manganese	1.16		0.00132	0.00500	1	10/13/2020 18:17	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 18:17	WG1556440

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0374	B J	0.0314	0.100	1	10/15/2020 19:59	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	93.6			78.0-120		10/15/2020 19:59	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 03:20	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 03:20	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 03:20	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 03:20	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 03:20	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 03:20	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 03:20	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 03:20	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 03:20	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 03:20	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 03:20	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 03:20	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 03:20	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 03:20	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 03:20	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 03:20	WG1560699
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 03:20	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 03:20	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 03:20	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 03:20	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 03:20	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 03:20	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 03:20	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 03:20	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 03:20	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 03:20	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 03:20	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 03:20	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 03:20	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 03:20	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 03:20	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 03:20	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 03:20	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 03:20	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 03:20	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 03:20	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 03:20	WG1560699

Collected date/time: 10/07/20 08:30

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/17/2020 03:20	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 03:20	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 03:20	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 03:20	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 03:20	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 03:20	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 03:20	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 03:20	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 03:20	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 03:20	WG1560699
(S) Toluene-d8	99.2			80.0-120		10/17/2020 03:20	WG1560699
(S) 4-Bromofluorobenzene	94.4			77.0-126		10/17/2020 03:20	WG1560699
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		10/17/2020 03:20	WG1560699

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0650	⌵	0.0247	0.100	1	10/15/2020 05:41	WG1557910
(S) o-Terphenyl	80.0			31.0-160		10/15/2020 05:41	WG1557910

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 16:40

L1271298

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000998	J	0.000735	0.00200	1	10/13/2020 18:20	WG1556440
Barium	0.0185	J	0.00778	0.0200	1	10/13/2020 18:20	WG1556440
Chromium	0.00151	J	0.00149	0.00200	1	10/13/2020 18:20	WG1556440
Iron	0.317		0.0489	0.100	1	10/13/2020 18:20	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 18:20	WG1556440
Manganese	0.199		0.00132	0.00500	1	10/13/2020 18:20	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 18:20	WG1556440

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0381	B J	0.0314	0.100	1	10/15/2020 20:20	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	95.7			78.0-120		10/15/2020 20:20	WG1559681

6 Qc

7 Gl

8 Al

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:26	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:26	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:26	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:26	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:26	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:26	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 12:26	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:26	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:26	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:26	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:26	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:26	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:26	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:26	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:26	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:26	WG1560846
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:26	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:26	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:26	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:26	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:26	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:26	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:26	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:26	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 12:26	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:26	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:26	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:26	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:26	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:26	WG1560846
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 12:26	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:26	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:26	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 12:26	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:26	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:26	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:26	WG1560846

9 Sc

Collected date/time: 10/06/20 16:40

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/17/2020 12:26	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:26	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:26	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 12:26	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 12:26	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:26	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:26	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:26	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:26	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:26	WG1560846
(S) Toluene-d8	107			80.0-120		10/17/2020 12:26	WG1560846
(S) 4-Bromofluorobenzene	99.6			77.0-126		10/17/2020 12:26	WG1560846
(S) 1,2-Dichloroethane-d4	88.6			70.0-130		10/17/2020 12:26	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0499	⌵	0.0247	0.100	1	10/14/2020 03:44	WG1557496
(S) o-Terphenyl	90.0			31.0-160		10/14/2020 03:44	WG1557496

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 16:00

L1271298

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00221		0.000735	0.00200	1	10/13/2020 18:23	WG1556440
Barium	0.0245		0.00778	0.0200	1	10/13/2020 18:23	WG1556440
Chromium	U		0.00149	0.00200	1	10/13/2020 18:23	WG1556440
Iron	1.95		0.0489	0.100	1	10/13/2020 18:23	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 18:23	WG1556440
Manganese	0.218		0.00132	0.00500	1	10/13/2020 18:23	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 18:23	WG1556440

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0326	B J	0.0314	0.100	1	10/15/2020 20:41	WG1559681
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	95.1			78.0-120		10/15/2020 20:41	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 12:47	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 12:47	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 12:47	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 12:47	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 12:47	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 12:47	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 12:47	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 12:47	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 12:47	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 12:47	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 12:47	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 12:47	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 12:47	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 12:47	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 12:47	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 12:47	WG1560846
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 12:47	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 12:47	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 12:47	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 12:47	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 12:47	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 12:47	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 12:47	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 12:47	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 12:47	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 12:47	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 12:47	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 12:47	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 12:47	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 12:47	WG1560846
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 12:47	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 12:47	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 12:47	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 12:47	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 12:47	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 12:47	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 12:47	WG1560846

Collected date/time: 10/06/20 16:00

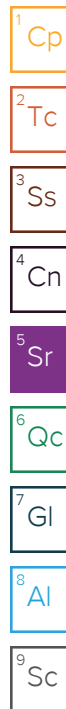
L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/17/2020 12:47	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 12:47	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 12:47	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 12:47	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 12:47	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 12:47	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 12:47	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 12:47	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 12:47	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 12:47	WG1560846
(S) Toluene-d8	106			80.0-120		10/17/2020 12:47	WG1560846
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 12:47	WG1560846
(S) 1,2-Dichloroethane-d4	89.2			70.0-130		10/17/2020 12:47	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0404	⌵	0.0247	0.100	1	10/14/2020 04:04	WG1557496
(S) o-Terphenyl	90.0			31.0-160		10/14/2020 04:04	WG1557496



Collected date/time: 10/07/20 09:15

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	20200		141	500	1	10/13/2020 19:46	WG1558089

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:07	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	8020		37.9	100	100	10/14/2020 17:19	WG1557662
Fluoride	0.454		0.0640	0.150	1	10/14/2020 17:01	WG1557662
Sulfate	2720		59.4	500	100	10/14/2020 17:19	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Calcium	1180		4.80	10.0	10	10/13/2020 18:43	WG1556440
Potassium	20.2		0.534	2.00	1	10/13/2020 18:26	WG1556440
Sodium	5080		6.30	20.0	10	10/13/2020 18:43	WG1556440

Collected date/time: 10/06/20 15:20

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	12100		18.8	66.7	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:09	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4120		37.9	100	100	10/14/2020 17:55	WG1557662
Fluoride	0.702		0.0640	0.150	1	10/14/2020 17:37	WG1557662
Sulfate	2690		59.4	500	100	10/14/2020 17:55	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0142		0.000735	0.00200	1	10/13/2020 18:30	WG1556440
Barium	0.0266		0.00778	0.0200	1	10/13/2020 18:30	WG1556440
Calcium	850		0.480	1.00	1	10/13/2020 18:30	WG1556440
Chromium	0.00194	J	0.00149	0.00200	1	10/13/2020 18:30	WG1556440
Iron	7.26		0.0489	0.100	1	10/13/2020 18:30	WG1556440
Lead	U		0.00249	0.00500	1	10/13/2020 18:30	WG1556440
Manganese	0.332		0.00132	0.00500	1	10/13/2020 18:30	WG1556440
Potassium	35.8		0.534	2.00	1	10/13/2020 18:30	WG1556440
Selenium	U		0.000657	0.00200	1	10/13/2020 18:30	WG1556440
Sodium	3010		3.15	10.0	5	10/13/2020 18:47	WG1556440

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.724		0.0314	0.100	1	10/15/2020 21:01	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	94.9			78.0-120		10/15/2020 21:01	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 13:08	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 13:08	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 13:08	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 13:08	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 13:08	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 13:08	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 13:08	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 13:08	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 13:08	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 13:08	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 13:08	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 13:08	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 13:08	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 13:08	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 13:08	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 13:08	WG1560846

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 13:08	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 13:08	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 13:08	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 13:08	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 13:08	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 13:08	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 13:08	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 13:08	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 13:08	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 13:08	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 13:08	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 13:08	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 13:08	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 13:08	WG1560846
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 13:08	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 13:08	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 13:08	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 13:08	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 13:08	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 13:08	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 13:08	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 13:08	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 13:08	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 13:08	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 13:08	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 13:08	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 13:08	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 13:08	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 13:08	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 13:08	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 13:08	WG1560846
(S) Toluene-d8	107			80.0-120		10/17/2020 13:08	WG1560846
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 13:08	WG1560846
(S) 1,2-Dichloroethane-d4	86.8			70.0-130		10/17/2020 13:08	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.917		0.0247	0.100	1	10/16/2020 03:27	WG1557497
(S) o-Terphenyl	90.5			31.0-160		10/16/2020 03:27	WG1557497

Collected date/time: 10/06/20 11:50

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00783		0.000735	0.00200	1	10/14/2020 01:22	WG1556442
Barium	0.0169	J	0.00778	0.0200	1	10/14/2020 01:22	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:22	WG1556442
Iron	0.925		0.0489	0.100	1	10/14/2020 01:22	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:22	WG1556442
Manganese	1.56	V	0.00132	0.00500	1	10/14/2020 01:22	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 01:22	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0469	B J	0.0314	0.100	1	10/15/2020 21:22	WG1559681
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		10/15/2020 21:22	WG1559681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 13:28	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 13:28	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 13:28	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 13:28	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 13:28	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 13:28	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 13:28	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 13:28	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 13:28	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 13:28	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 13:28	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 13:28	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 13:28	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 13:28	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 13:28	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 13:28	WG1560846
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 13:28	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 13:28	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 13:28	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 13:28	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 13:28	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 13:28	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 13:28	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 13:28	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 13:28	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 13:28	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 13:28	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 13:28	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 13:28	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 13:28	WG1560846
Methyl tert-butyl ether	0.000777	J	0.000101	0.00100	1	10/17/2020 13:28	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 13:28	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 13:28	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 13:28	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 13:28	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 13:28	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 13:28	WG1560846

Collected date/time: 10/06/20 11:50

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/17/2020 13:28	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 13:28	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 13:28	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 13:28	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 13:28	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 13:28	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 13:28	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 13:28	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 13:28	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 13:28	WG1560846
(S) Toluene-d8	108			80.0-120		10/17/2020 13:28	WG1560846
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 13:28	WG1560846
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		10/17/2020 13:28	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.270	<u>B</u>	0.0247	0.100	1	10/16/2020 03:47	WG1557497
(S) o-Terphenyl	82.1			31.0-160		10/16/2020 03:47	WG1557497

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 12:30

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	16800		28.2	100	1	10/13/2020 23:02	WG1558083

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

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:10	WG1558999

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 04:47	WG1560164

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	4600		37.9	100	100	10/14/2020 19:07	WG1557662
Fluoride	2.72		0.320	0.750	5	10/14/2020 18:50	WG1557662
Sulfate	4820		59.4	500	100	10/14/2020 19:07	WG1557662

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/11/2020 10:36	WG1556620

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	1.98		0.0254	0.200	1	10/12/2020 05:17	WG1556426

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00468		0.000735	0.00200	1	10/14/2020 01:35	WG1556442
Barium	0.0171	J	0.00778	0.0200	1	10/14/2020 01:35	WG1556442
Cadmium	U		0.000478	0.00100	1	10/14/2020 01:35	WG1556442
Calcium	616		0.480	1.00	1	10/14/2020 01:35	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:35	WG1556442
Cobalt	0.00139	J	0.000477	0.00200	1	10/14/2020 01:35	WG1556442
Iron	0.348		0.0489	0.100	1	10/14/2020 01:35	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:35	WG1556442
Manganese	1.39		0.00132	0.00500	1	10/14/2020 01:35	WG1556442
Nickel	0.00846		0.000952	0.00200	1	10/14/2020 01:35	WG1556442
Potassium	39.3		0.534	2.00	1	10/14/2020 01:35	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 01:35	WG1556442
Sodium	3380		6.30	20.0	10	10/14/2020 23:18	WG1556442
Uranium	0.0226		0.00754	0.0200	1	10/14/2020 01:35	WG1556442
Vanadium	U		0.000986	0.00500	1	10/14/2020 01:35	WG1556442

Collected date/time: 10/06/20 12:30

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 13:49	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 13:49	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 13:49	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 13:49	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 13:49	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 13:49	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 13:49	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 13:49	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 13:49	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 13:49	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 13:49	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 13:49	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 13:49	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 13:49	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 13:49	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 13:49	WG1560846
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 13:49	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 13:49	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 13:49	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 13:49	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 13:49	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 13:49	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 13:49	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 13:49	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 13:49	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 13:49	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 13:49	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 13:49	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 13:49	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 13:49	WG1560846
Methyl tert-butyl ether	0.000678	U	0.000101	0.00100	1	10/17/2020 13:49	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 13:49	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 13:49	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 13:49	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 13:49	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 13:49	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 13:49	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 13:49	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 13:49	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 13:49	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 13:49	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 13:49	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 13:49	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 13:49	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 13:49	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 13:49	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 13:49	WG1560846
(S) Toluene-d8	111			80.0-120		10/17/2020 13:49	WG1560846
(S) 4-Bromofluorobenzene	108			77.0-126		10/17/2020 13:49	WG1560846
(S) 1,2-Dichloroethane-d4	86.1			70.0-130		10/17/2020 13:49	WG1560846

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.373	B	0.0247	0.100	1	10/16/2020 04:07	WG1557497
(S) o-Terphenyl	87.9			31.0-160		10/16/2020 04:07	WG1557497

Collected date/time: 10/06/20 13:20

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0166		0.000735	0.00200	1	10/14/2020 01:38	WG1556442
Barium	0.0171	J	0.00778	0.0200	1	10/14/2020 01:38	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:38	WG1556442
Iron	4.50		0.0489	0.100	1	10/14/2020 01:38	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:38	WG1556442
Manganese	0.299		0.00132	0.00500	1	10/14/2020 01:38	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 01:38	WG1556442

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.28		0.0314	0.100	1	10/16/2020 01:17	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		10/16/2020 01:17	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2020 06:28	WG1560896
Benzene	U		0.0000941	0.00100	1	10/18/2020 15:47	WG1561236
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2020 06:28	WG1560896
Bromoform	U		0.000129	0.00100	1	10/18/2020 06:28	WG1560896
Bromomethane	U		0.000605	0.00500	1	10/18/2020 06:28	WG1560896
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2020 06:28	WG1560896
sec-Butylbenzene	U		0.000125	0.00100	1	10/18/2020 06:28	WG1560896
Carbon disulfide	0.000277	B J	0.0000962	0.00100	1	10/18/2020 06:28	WG1560896
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2020 06:28	WG1560896
Chlorobenzene	U		0.000116	0.00100	1	10/18/2020 06:28	WG1560896
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2020 06:28	WG1560896
Chloroethane	U		0.000192	0.00500	1	10/18/2020 06:28	WG1560896
Chloroform	U		0.000111	0.00500	1	10/18/2020 06:28	WG1560896
Chloromethane	U		0.000960	0.00250	1	10/18/2020 06:28	WG1560896
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2020 06:28	WG1560896
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2020 06:28	WG1560896
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2020 06:28	WG1560896
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2020 06:28	WG1560896
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2020 06:28	WG1560896
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2020 06:28	WG1560896
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2020 06:28	WG1560896
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2020 06:28	WG1560896
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2020 06:28	WG1560896
Ethylbenzene	U		0.000137	0.00100	1	10/18/2020 06:28	WG1560896
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2020 06:28	WG1560896
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2020 06:28	WG1560896
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2020 06:28	WG1560896
2-Hexanone	U		0.000787	0.0100	1	10/18/2020 06:28	WG1560896
Methylene Chloride	U		0.000430	0.00500	1	10/18/2020 06:28	WG1560896
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2020 06:28	WG1560896
Methyl tert-butyl ether	0.000124	J	0.000101	0.00100	1	10/18/2020 06:28	WG1560896
Naphthalene	U		0.00100	0.00500	1	10/18/2020 15:47	WG1561236
n-Propylbenzene	0.000146	J	0.0000993	0.00100	1	10/18/2020 06:28	WG1560896
Styrene	U		0.000118	0.00100	1	10/18/2020 06:28	WG1560896
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2020 06:28	WG1560896
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2020 06:28	WG1560896
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2020 06:28	WG1560896

Collected date/time: 10/06/20 13:20

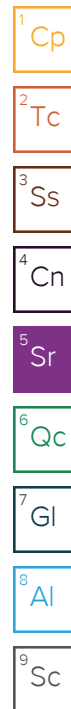
L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	10/18/2020 06:28	WG1560896
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2020 06:28	WG1560896
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2020 06:28	WG1560896
Trichloroethene	U		0.000190	0.00100	1	10/18/2020 06:28	WG1560896
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2020 06:28	WG1560896
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2020 06:28	WG1560896
Vinyl chloride	U		0.000234	0.00100	1	10/18/2020 06:28	WG1560896
o-Xylene	U		0.000174	0.00100	1	10/18/2020 06:28	WG1560896
m&p-Xylene	U		0.000430	0.00200	1	10/18/2020 06:28	WG1560896
Xylenes, Total	U		0.000174	0.00300	1	10/18/2020 06:28	WG1560896
(S) Toluene-d8	109			80.0-120		10/18/2020 06:28	WG1560896
(S) Toluene-d8	107			80.0-120		10/18/2020 15:47	WG1561236
(S) 4-Bromofluorobenzene	106			77.0-126		10/18/2020 06:28	WG1560896
(S) 4-Bromofluorobenzene	110			77.0-126		10/18/2020 15:47	WG1561236
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/18/2020 06:28	WG1560896
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/18/2020 15:47	WG1561236

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.805		0.0247	0.100	1	10/16/2020 04:27	WG1557497
(S) o-Terphenyl	89.5			31.0-160		10/16/2020 04:27	WG1557497



Collected date/time: 10/06/20 14:05

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	9940		18.8	66.7	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:11	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2490		37.9	100	100	10/14/2020 19:43	WG1557662
Fluoride	1.03		0.0640	0.150	1	10/14/2020 19:25	WG1557662
Sulfate	3030		59.4	500	100	10/14/2020 19:43	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00195	J	0.000735	0.00200	1	10/14/2020 01:41	WG1556442
Barium	0.0214		0.00778	0.0200	1	10/14/2020 01:41	WG1556442
Calcium	758		0.480	1.00	1	10/14/2020 01:41	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:41	WG1556442
Iron	5.78		0.0489	0.100	1	10/14/2020 01:41	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:41	WG1556442
Manganese	0.435		0.00132	0.00500	1	10/14/2020 01:41	WG1556442
Potassium	6.57		0.534	2.00	1	10/14/2020 01:41	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 01:41	WG1556442
Sodium	1840		6.30	20.0	10	10/14/2020 19:01	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 01:39	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.8			78.0-120		10/16/2020 01:39	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:10	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:10	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:10	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:10	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:10	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:10	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:10	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:10	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:10	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:10	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:10	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:10	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:10	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:10	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:10	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:10	WG1560846

Collected date/time: 10/06/20 14:05

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:10	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:10	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:10	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:10	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:10	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:10	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:10	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:10	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:10	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:10	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:10	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:10	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:10	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:10	WG1560846
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 14:10	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:10	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:10	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 14:10	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:10	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:10	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:10	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 14:10	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:10	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:10	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 14:10	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:10	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:10	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:10	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:10	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:10	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:10	WG1560846
(S) Toluene-d8	106			80.0-120		10/17/2020 14:10	WG1560846
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 14:10	WG1560846
(S) 1,2-Dichloroethane-d4	87.5			70.0-130		10/17/2020 14:10	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0406	B J	0.0247	0.100	1	10/16/2020 04:47	WG1557497
(S) o-Terphenyl	76.3			31.0-160		10/16/2020 04:47	WG1557497

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

Collected date/time: 10/06/20 09:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	6260		11.3	40.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:13	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1550		37.9	100	100	10/14/2020 20:19	WG1557662
Fluoride	1.29		0.0640	0.150	1	10/14/2020 20:01	WG1557662
Sulfate	1870		59.4	500	100	10/14/2020 20:19	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0240		0.000735	0.00200	1	10/14/2020 01:44	WG1556442
Barium	0.0170	J	0.00778	0.0200	1	10/14/2020 01:44	WG1556442
Calcium	315		0.480	1.00	1	10/14/2020 01:44	WG1556442
Chromium	0.00266		0.00149	0.00200	1	10/14/2020 01:44	WG1556442
Iron	2.97		0.0489	0.100	1	10/14/2020 01:44	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:44	WG1556442
Manganese	0.386		0.00132	0.00500	1	10/14/2020 01:44	WG1556442
Potassium	3.71		0.534	2.00	1	10/14/2020 01:44	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 01:44	WG1556442
Sodium	1550		6.30	20.0	10	10/14/2020 19:05	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.379		0.0314	0.100	1	10/16/2020 02:01	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120		10/16/2020 02:01	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:31	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:31	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:31	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:31	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:31	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:31	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:31	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:31	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:31	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:31	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:31	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:31	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:31	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:31	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:31	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:31	WG1560846

Collected date/time: 10/06/20 09:00

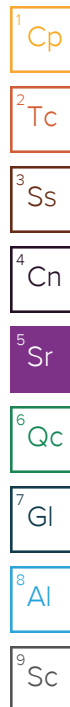
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:31	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:31	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:31	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:31	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:31	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:31	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:31	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:31	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:31	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:31	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:31	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:31	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:31	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:31	WG1560846
Methyl tert-butyl ether	0.000984	U	0.000101	0.00100	1	10/17/2020 14:31	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:31	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:31	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 14:31	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:31	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:31	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:31	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 14:31	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:31	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:31	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 14:31	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:31	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:31	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:31	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:31	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:31	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:31	WG1560846
(S) Toluene-d8	110			80.0-120		10/17/2020 14:31	WG1560846
(S) 4-Bromofluorobenzene	107			77.0-126		10/17/2020 14:31	WG1560846
(S) 1,2-Dichloroethane-d4	84.9			70.0-130		10/17/2020 14:31	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.886		0.0247	0.100	1	10/16/2020 05:07	WG1557497
(S) o-Terphenyl	100			31.0-160		10/16/2020 05:07	WG1557497



Collected date/time: 10/06/20 11:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	8210		14.1	50.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:18	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2290		37.9	100	100	10/14/2020 20:55	WG1557662
Fluoride	0.795		0.0640	0.150	1	10/14/2020 20:37	WG1557662
Sulfate	2060		59.4	500	100	10/14/2020 20:55	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0301		0.000735	0.00200	1	10/14/2020 01:54	WG1556442
Barium	0.0165	J	0.00778	0.0200	1	10/14/2020 01:54	WG1556442
Calcium	453		0.480	1.00	1	10/14/2020 01:54	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:54	WG1556442
Iron	4.02		0.0489	0.100	1	10/14/2020 01:54	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:54	WG1556442
Manganese	3.69		0.00132	0.00500	1	10/14/2020 01:54	WG1556442
Potassium	3.71		0.534	2.00	1	10/14/2020 01:54	WG1556442
Selenium	0.00132	J	0.000657	0.00200	1	10/14/2020 01:54	WG1556442
Sodium	2240		6.30	20.0	10	10/14/2020 19:08	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.13		0.0314	0.100	1	10/16/2020 02:23	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	96.0			78.0-120		10/16/2020 02:23	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 14:52	WG1560846
Benzene	U		0.0000941	0.00100	1	10/17/2020 14:52	WG1560846
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 14:52	WG1560846
Bromoform	U		0.000129	0.00100	1	10/17/2020 14:52	WG1560846
Bromomethane	U		0.000605	0.00500	1	10/17/2020 14:52	WG1560846
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 14:52	WG1560846
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 14:52	WG1560846
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 14:52	WG1560846
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 14:52	WG1560846
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 14:52	WG1560846
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 14:52	WG1560846
Chloroethane	U		0.000192	0.00500	1	10/17/2020 14:52	WG1560846
Chloroform	U		0.000111	0.00500	1	10/17/2020 14:52	WG1560846
Chloromethane	U		0.000960	0.00250	1	10/17/2020 14:52	WG1560846
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 14:52	WG1560846
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 14:52	WG1560846

Collected date/time: 10/06/20 11:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 14:52	WG1560846
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 14:52	WG1560846
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 14:52	WG1560846
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560846
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560846
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 14:52	WG1560846
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 14:52	WG1560846
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 14:52	WG1560846
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 14:52	WG1560846
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 14:52	WG1560846
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 14:52	WG1560846
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 14:52	WG1560846
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 14:52	WG1560846
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 14:52	WG1560846
Methyl tert-butyl ether	0.00273		0.000101	0.00100	1	10/17/2020 14:52	WG1560846
Naphthalene	U		0.00100	0.00500	1	10/17/2020 14:52	WG1560846
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 14:52	WG1560846
Styrene	U		0.000118	0.00100	1	10/17/2020 14:52	WG1560846
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 14:52	WG1560846
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 14:52	WG1560846
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 14:52	WG1560846
Toluene	U		0.000278	0.00100	1	10/17/2020 14:52	WG1560846
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 14:52	WG1560846
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 14:52	WG1560846
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 14:52	WG1560846
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 14:52	WG1560846
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 14:52	WG1560846
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 14:52	WG1560846
o-Xylene	U		0.000174	0.00100	1	10/17/2020 14:52	WG1560846
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 14:52	WG1560846
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 14:52	WG1560846
(S) Toluene-d8	104			80.0-120		10/17/2020 14:52	WG1560846
(S) 4-Bromofluorobenzene	99.4			77.0-126		10/17/2020 14:52	WG1560846
(S) 1,2-Dichloroethane-d4	87.1			70.0-130		10/17/2020 14:52	WG1560846

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.13		0.0247	0.100	1	10/16/2020 05:28	WG1557497
(S) o-Terphenyl	83.7			31.0-160		10/16/2020 05:28	WG1557497

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

Collected date/time: 10/07/20 09:00

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5090		11.3	40.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.245	J6	0.0500	0.100	1	10/16/2020 20:19	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	939		37.9	100	100	10/14/2020 21:31	WG1557662
Fluoride	1.69		0.0640	0.150	1	10/14/2020 21:13	WG1557662
Sulfate	1440		59.4	500	100	10/14/2020 21:31	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0343		0.000735	0.00200	1	10/14/2020 01:57	WG1556442
Barium	0.0150	J	0.00778	0.0200	1	10/14/2020 01:57	WG1556442
Calcium	506		0.480	1.00	1	10/14/2020 01:57	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 01:57	WG1556442
Iron	0.0500	J	0.0489	0.100	1	10/14/2020 01:57	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 01:57	WG1556442
Manganese	1.38		0.00132	0.00500	1	10/14/2020 01:57	WG1556442
Potassium	5.85		0.534	2.00	1	10/14/2020 01:57	WG1556442
Selenium	0.00646		0.000657	0.00200	1	10/14/2020 01:57	WG1556442
Sodium	812		0.630	2.00	1	10/14/2020 23:22	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.491		0.0314	0.100	1	10/16/2020 02:45	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.8			78.0-120		10/16/2020 02:45	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 03:40	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 03:40	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 03:40	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 03:40	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 03:40	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 03:40	WG1560699
sec-Butylbenzene	0.000160	J	0.000125	0.00100	1	10/17/2020 03:40	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 03:40	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 03:40	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 03:40	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 03:40	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 03:40	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 03:40	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 03:40	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 03:40	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 03:40	WG1560699

Collected date/time: 10/07/20 09:00

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 03:40	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 03:40	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 03:40	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 03:40	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 03:40	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 03:40	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 03:40	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 03:40	WG1560699
Isopropylbenzene	0.000169	J	0.000105	0.00100	1	10/17/2020 03:40	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 03:40	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 03:40	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 03:40	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 03:40	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 03:40	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 03:40	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 03:40	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 03:40	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 03:40	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 03:40	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 03:40	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 03:40	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 03:40	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 03:40	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 03:40	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 03:40	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 03:40	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 03:40	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 03:40	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 03:40	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 03:40	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 03:40	WG1560699
(S) Toluene-d8	103			80.0-120		10/17/2020 03:40	WG1560699
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 03:40	WG1560699
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		10/17/2020 03:40	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.08		0.0247	0.100	1	10/15/2020 06:01	WG1557910
(S) o-Terphenyl	104			31.0-160		10/15/2020 06:01	WG1557910

Collected date/time: 10/06/20 14:50

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	28.0		2.82	10.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0505	J	0.0500	0.100	1	10/16/2020 20:21	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	5.84		0.379	1.00	1	10/14/2020 22:25	WG1557662
Fluoride	U		0.0640	0.150	1	10/14/2020 22:25	WG1557662
Sulfate	5.05		0.594	5.00	1	10/14/2020 22:25	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/14/2020 02:01	WG1556442
Barium	U		0.00778	0.0200	1	10/14/2020 02:01	WG1556442
Calcium	U		0.480	1.00	1	10/14/2020 02:01	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:01	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:01	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:01	WG1556442
Manganese	U		0.00132	0.00500	1	10/14/2020 02:01	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:01	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:01	WG1556442
Sodium	U		0.630	2.00	1	10/14/2020 23:25	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/15/2020 19:55	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		10/15/2020 19:55	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:09	WG1560682
Benzene	U		0.0000941	0.00100	1	10/17/2020 05:09	WG1560682
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:09	WG1560682
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:09	WG1560682
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:09	WG1560682
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:09	WG1560682
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 05:09	WG1560682
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:09	WG1560682
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/17/2020 05:09	WG1560682
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:09	WG1560682
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:09	WG1560682
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:09	WG1560682
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:09	WG1560682
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:09	WG1560682
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:09	WG1560682
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:09	WG1560682

Collected date/time: 10/06/20 14:50

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:09	WG1560682
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:09	WG1560682
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:09	WG1560682
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:09	WG1560682
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:09	WG1560682
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:09	WG1560682
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 05:09	WG1560682
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 05:09	WG1560682
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 05:09	WG1560682
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:09	WG1560682
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:09	WG1560682
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:09	WG1560682
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:09	WG1560682
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:09	WG1560682
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 05:09	WG1560682
Naphthalene	U		0.00100	0.00500	1	10/18/2020 11:05	WG1561134
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 05:09	WG1560682
Styrene	U		0.000118	0.00100	1	10/17/2020 05:09	WG1560682
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:09	WG1560682
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:09	WG1560682
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:09	WG1560682
Toluene	U		0.000278	0.00100	1	10/17/2020 05:09	WG1560682
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/17/2020 05:09	WG1560682
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:09	WG1560682
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:09	WG1560682
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:09	WG1560682
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:09	WG1560682
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:09	WG1560682
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:09	WG1560682
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 05:09	WG1560682
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 05:09	WG1560682
(S) Toluene-d8	103			80.0-120		10/17/2020 05:09	WG1560682
(S) Toluene-d8	99.2			80.0-120		10/18/2020 11:05	WG1561134
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 05:09	WG1560682
(S) 4-Bromofluorobenzene	98.4			77.0-126		10/18/2020 11:05	WG1561134
(S) 1,2-Dichloroethane-d4	116			70.0-130		10/17/2020 05:09	WG1560682
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/18/2020 11:05	WG1561134

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0341	B J	0.0247	0.100	1	10/16/2020 05:48	WG1557497
(S) o-Terphenyl	76.8			31.0-160		10/16/2020 05:48	WG1557497

Collected date/time: 10/06/20 14:20

L1271298

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	12.0		2.82	10.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:24	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2.22		0.379	1.00	1	10/14/2020 23:36	WG1557662
Fluoride	U		0.0640	0.150	1	10/14/2020 23:36	WG1557662
Sulfate	3.21	J	0.594	5.00	1	10/14/2020 23:36	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/14/2020 02:04	WG1556442
Barium	U		0.00778	0.0200	1	10/14/2020 02:04	WG1556442
Calcium	U		0.480	1.00	1	10/14/2020 02:04	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:04	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:04	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:04	WG1556442
Manganese	U		0.00132	0.00500	1	10/14/2020 02:04	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:04	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:04	WG1556442
Sodium	U		0.630	2.00	1	10/14/2020 23:28	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/15/2020 20:17	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/15/2020 20:17	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 18:53	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 18:53	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 18:53	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 18:53	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 18:53	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 18:53	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 18:53	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 18:53	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 18:53	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 18:53	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 18:53	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 18:53	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 18:53	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 18:53	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 18:53	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 18:53	WG1560700

Collected date/time: 10/06/20 14:20

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 18:53	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 18:53	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 18:53	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 18:53	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 18:53	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 18:53	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 18:53	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 18:53	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 18:53	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 18:53	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 18:53	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 18:53	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 18:53	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 18:53	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 18:53	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 18:53	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 18:53	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 18:53	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 18:53	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 18:53	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 18:53	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 18:53	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 18:53	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 18:53	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 18:53	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 18:53	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 18:53	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 18:53	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 18:53	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 18:53	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 18:53	WG1560700
(S) Toluene-d8	101			80.0-120		10/16/2020 18:53	WG1560700
(S) 4-Bromofluorobenzene	94.4			77.0-126		10/16/2020 18:53	WG1560700
(S) 1,2-Dichloroethane-d4	94.8			70.0-130		10/16/2020 18:53	WG1560700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0369	B J	0.0247	0.100	1	10/16/2020 06:08	WG1557497
(S) o-Terphenyl	73.2			31.0-160		10/16/2020 06:08	WG1557497

Collected date/time: 10/06/20 11:10

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3.00	J	2.82	10.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:25	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	0.535	J	0.379	1.00	1	10/14/2020 23:54	WG1557662
Fluoride	U		0.0640	0.150	1	10/14/2020 23:54	WG1557662
Sulfate	U		0.594	5.00	1	10/14/2020 23:54	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/14/2020 02:07	WG1556442
Barium	U		0.00778	0.0200	1	10/14/2020 02:07	WG1556442
Calcium	U		0.480	1.00	1	10/14/2020 02:07	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:07	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:07	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:07	WG1556442
Manganese	U		0.00132	0.00500	1	10/14/2020 02:07	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:07	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:07	WG1556442
Sodium	U		0.630	2.00	1	10/14/2020 23:32	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/15/2020 20:39	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		10/15/2020 20:39	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 19:13	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 19:13	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 19:13	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 19:13	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 19:13	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 19:13	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 19:13	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 19:13	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 19:13	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 19:13	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 19:13	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 19:13	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 19:13	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 19:13	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 19:13	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 19:13	WG1560700

Collected date/time: 10/06/20 11:10

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000819	0.00100	1	10/16/2020 19:13	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 19:13	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 19:13	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 19:13	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 19:13	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 19:13	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 19:13	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 19:13	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 19:13	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 19:13	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 19:13	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 19:13	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 19:13	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 19:13	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 19:13	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 19:13	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 19:13	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 19:13	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 19:13	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 19:13	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 19:13	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 19:13	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 19:13	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 19:13	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 19:13	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 19:13	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 19:13	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 19:13	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 19:13	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 19:13	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 19:13	WG1560700
(S) Toluene-d8	101			80.0-120		10/16/2020 19:13	WG1560700
(S) 4-Bromofluorobenzene	96.8			77.0-126		10/16/2020 19:13	WG1560700
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		10/16/2020 19:13	WG1560700

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.367	B	0.0247	0.100	1	10/16/2020 06:28	WG1557497
(S) o-Terphenyl	81.1			31.0-160		10/16/2020 06:28	WG1557497

Collected date/time: 10/06/20 10:45

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	11.0		2.82	10.0	1	10/13/2020 19:46	WG1558089

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:27	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	0.524	J	0.379	1.00	1	10/15/2020 00:12	WG1557662
Fluoride	U		0.0640	0.150	1	10/15/2020 00:12	WG1557662
Sulfate	U		0.594	5.00	1	10/15/2020 00:12	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/14/2020 02:10	WG1556442
Barium	U		0.00778	0.0200	1	10/14/2020 02:10	WG1556442
Calcium	U		0.480	1.00	1	10/14/2020 02:10	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:10	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:10	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:10	WG1556442
Manganese	U		0.00132	0.00500	1	10/14/2020 02:10	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:10	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:10	WG1556442
Sodium	U		0.630	2.00	1	10/14/2020 23:35	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/15/2020 21:01	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/15/2020 21:01	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 19:34	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 19:34	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 19:34	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 19:34	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 19:34	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 19:34	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 19:34	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 19:34	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 19:34	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 19:34	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 19:34	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 19:34	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 19:34	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 19:34	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 19:34	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 19:34	WG1560700

Collected date/time: 10/06/20 10:45

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 19:34	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 19:34	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 19:34	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 19:34	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 19:34	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 19:34	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 19:34	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 19:34	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 19:34	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 19:34	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 19:34	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 19:34	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 19:34	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 19:34	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 19:34	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 19:34	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 19:34	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 19:34	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 19:34	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 19:34	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 19:34	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 19:34	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 19:34	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 19:34	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 19:34	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 19:34	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 19:34	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 19:34	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 19:34	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 19:34	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 19:34	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 19:34	WG1560700
(S) 4-Bromofluorobenzene	99.4			77.0-126		10/16/2020 19:34	WG1560700
(S) 1,2-Dichloroethane-d4	99.0			70.0-130		10/16/2020 19:34	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

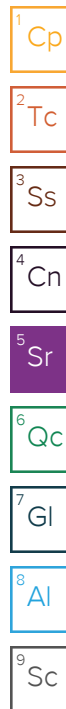
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0250	B J	0.0247	0.100	1	10/16/2020 06:48	WG1557497
(S) o-Terphenyl	80.0			31.0-160		10/16/2020 06:48	WG1557497

Collected date/time: 10/06/20 00:00

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 18:13	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 18:13	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 18:13	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 18:13	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 18:13	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 18:13	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 18:13	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 18:13	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 18:13	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 18:13	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 18:13	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 18:13	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 18:13	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 18:13	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 18:13	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 18:13	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 18:13	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 18:13	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 18:13	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 18:13	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 18:13	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 18:13	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 18:13	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 18:13	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 18:13	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 18:13	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 18:13	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 18:13	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 18:13	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 18:13	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 18:13	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 18:13	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 18:13	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 18:13	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 18:13	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 18:13	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 18:13	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 18:13	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 18:13	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 18:13	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 18:13	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 18:13	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 18:13	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 18:13	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 18:13	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 18:13	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 18:13	WG1560700
(S) Toluene-d8	104			80.0-120		10/16/2020 18:13	WG1560700
(S) 4-Bromofluorobenzene	95.6			77.0-126		10/16/2020 18:13	WG1560700
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		10/16/2020 18:13	WG1560700

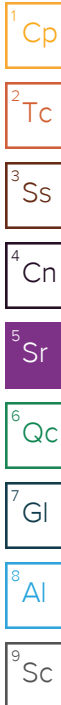


Collected date/time: 10/06/20 00:00

L1271298

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 18:33	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 18:33	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 18:33	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 18:33	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 18:33	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 18:33	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 18:33	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 18:33	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 18:33	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 18:33	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 18:33	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 18:33	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 18:33	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 18:33	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 18:33	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 18:33	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 18:33	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 18:33	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 18:33	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 18:33	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 18:33	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 18:33	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 18:33	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 18:33	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 18:33	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 18:33	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 18:33	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 18:33	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 18:33	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 18:33	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 18:33	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 18:33	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 18:33	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 18:33	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 18:33	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 18:33	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 18:33	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 18:33	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 18:33	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 18:33	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 18:33	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 18:33	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 18:33	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 18:33	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 18:33	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 18:33	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 18:33	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 18:33	WG1560700
(S) 4-Bromofluorobenzene	96.3			77.0-126		10/16/2020 18:33	WG1560700
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		10/16/2020 18:33	WG1560700



Gravimetric Analysis by Method 2540 C-2011

[L1271298-30](#)

Method Blank (MB)

(MB) R3581978-1 10/13/20 23:02

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1271239-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271239-01 10/13/20 23:02 • (DUP) R3581978-3 10/13/20 23:02

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1940	1930	1	0.310		5

L1271812-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1271812-09 10/13/20 23:02 • (DUP) R3581978-4 10/13/20 23:02

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3560	3610	1	1.45		5

Laboratory Control Sample (LCS)

(LCS) R3581978-2 10/13/20 23:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8870	101	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Gravimetric Analysis by Method 2540 C-2011

L1271298-22,23,27,28,32,33,34,35,36,37,38,39

Method Blank (MB)

(MB) R3581630-1 10/13/20 19:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1271301-58 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-58 10/13/20 19:46 • (DUP) R3581630-3 10/13/20 19:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2930	2960	1	0.952		5

L1271301-59 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-59 10/13/20 19:46 • (DUP) R3581630-4 10/13/20 19:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3130	3210	1	2.48		5

Laboratory Control Sample (LCS)

(LCS) R3581630-2 10/13/20 19:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8520	96.8	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

[L1271298-01,02,03,04,05,06,07,08,09,10,11,12,13,14,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R3581349-1 10/13/20 11:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1271298-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-20 10/13/20 11:47 • (DUP) R3581349-3 10/13/20 11:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	9910	10300	1	3.83		5

L1271298-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-21 10/13/20 11:47 • (DUP) R3581349-4 10/13/20 11:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	6330	6590	1	4.02		5

Laboratory Control Sample (LCS)

(LCS) R3581349-2 10/13/20 11:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8280	94.1	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 353.2

[L1271298-01,02,03,04,05,06,07,08,09,10,11,12,13,14,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R3582665-1 10/18/20 01:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271298-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-01 10/18/20 01:42 • (DUP) R3582665-3 10/18/20 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1271298-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-20 10/18/20 02:29 • (DUP) R3582665-5 10/18/20 02:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582665-2 10/18/20 01:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	2.34	93.6	90.0-110	

L1271298-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271298-12 10/18/20 02:01 • (MS) R3582665-4 10/18/20 02:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.25	90.0	1	90.0-110	

L1271298-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-21 10/18/20 02:31 • (MS) R3582665-6 10/18/20 02:33 • (MSD) R3582665-7 10/18/20 02:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.23	2.21	89.2	88.4	1	90.0-110	<u>J6</u>	<u>J6</u>	0.901	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 353.2

L1271298-22,23,27,28,30,32,33,34,35,36,37,38,39

Method Blank (MB)

(MB) R3582489-1 10/16/20 20:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271298-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-22 10/16/20 20:04 • (DUP) R3582489-3 10/16/20 20:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1271298-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-36 10/16/20 20:21 • (DUP) R3582489-5 10/16/20 20:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.0505	0.0526	1	4.07	J	20

Laboratory Control Sample (LCS)

(LCS) R3582489-2 10/16/20 20:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	2.34	93.6	90.0-110	

L1271298-35 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271298-35 10/16/20 20:19 • (MS) R3582489-4 10/16/20 20:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.245	2.40	86.2	1	90.0-110	J6

L1271301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-02 10/16/20 20:52 • (MS) R3582489-6 10/16/20 20:53 • (MSD) R3582489-7 10/16/20 20:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	0.250	15.3	17.8	17.4	100	84.0	10	90.0-110		V	2.27	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 4500CN E-2011

L1271298-01,22

Method Blank (MB)

(MB) R3582022-1 10/15/20 17:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1271016-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271016-01 10/15/20 18:05 • (DUP) R3582022-3 10/15/20 18:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1271044-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271044-01 10/15/20 18:07 • (DUP) R3582022-4 10/15/20 18:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00195	U	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R3582022-2 10/15/20 17:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0956	95.6	87.1-120	

L1271044-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271044-02 10/15/20 18:09 • (MS) R3582022-5 10/15/20 18:12 • (MSD) R3582022-6 10/15/20 18:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00249	0.100	0.101	97.5	98.5	1	90.0-110			0.995	20

L1271298-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-22 10/15/20 18:19 • (MS) R3582022-7 10/15/20 18:20 • (MSD) R3582022-8 10/15/20 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.100	0.0994	100	99.4	1	90.0-110			0.602	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 4500CN E-2011

L1271298-30

Method Blank (MB)

(MB) R3582107-1 10/16/20 04:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1270958-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270958-02 10/16/20 04:34 • (DUP) R3582107-3 10/16/20 04:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	0.00187	1	0.000		20

L1271284-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-07 10/16/20 04:45 • (DUP) R3582107-6 10/16/20 04:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582107-2 10/16/20 04:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.106	106	87.1-120	

L1271000-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271000-02 10/16/20 04:39 • (MS) R3582107-4 10/16/20 04:40 • (MSD) R3582107-5 10/16/20 04:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00382	0.108	0.103	104	99.2	1	90.0-110			4.74	20

L1271576-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271576-03 10/16/20 05:24 • (MS) R3582107-7 10/16/20 05:25 • (MSD) R3582107-8 10/16/20 05:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00223	0.0894	0.0935	87.2	91.3	1	90.0-110	J6		4.48	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

L1271298-01,02,03,04,05,06,07,08,09,10,11,12,13,14,16,17,18,19,20,21

Method Blank (MB)

(MB) R3581321-1 10/13/20 09:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271298-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-03 10/13/20 12:06 • (DUP) R3581321-3 10/13/20 12:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Fluoride	4.87	4.89	1	0.412	15

L1271298-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-03 10/13/20 16:26 • (DUP) R3581321-4 10/13/20 16:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	690	685	100	0.775	15
Sulfate	2400	2390	100	0.604	15

L1271298-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-18 10/14/20 03:24 • (DUP) R3581321-5 10/14/20 03:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Fluoride	1.07	1.08	1	0.475	15

L1271298-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-18 10/14/20 04:54 • (DUP) R3581321-7 10/14/20 05:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	1390	1380	100	1.01	15
Sulfate	1920	1920	100	0.0198	15

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9056A

L1271298-01,02,03,04,05,06,07,08,09,10,11,12,13,14,16,17,18,19,20,21

Laboratory Control Sample (LCS)

(LCS) R3581321-2 10/13/20 09:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	8.20	102	80.0-120	
Sulfate	40.0	40.3	101	80.0-120	

L1271298-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271298-18 10/14/20 03:24 • (MS) R3581321-6 10/14/20 04:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	1580	1550	0.000	1	80.0-120	E V
Fluoride	5.00	1.07	6.23	103	1	80.0-120	
Sulfate	50.0	2290	2200	0.000	1	80.0-120	E V

L1271298-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-03 10/13/20 12:06 • (MS) R3581321-8 10/14/20 07:53 • (MSD) R3581321-9 10/14/20 09:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	770	858	854	176	168	1	80.0-120	E V	E V	0.471	15
Fluoride	5.00	4.87	10.3	10.2	108	107	1	80.0-120	E	E	0.165	15
Sulfate	50.0	2670	2820	2810	297	283	1	80.0-120	E V	E V	0.243	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

L1271298-22,23,27,28,30,32,33,34,35,36,37,38,39

Method Blank (MB)

(MB) R3581674-1 10/14/20 14:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271298-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-36 10/14/20 22:25 • (DUP) R3581674-3 10/14/20 22:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.84	5.83	1	0.0771		15
Fluoride	U	U	1	0.000		15
Sulfate	5.05	4.95	1	1.95	J	15

L1271301-44 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-44 10/15/20 02:00 • (DUP) R3581674-6 10/15/20 02:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.428	1	200	J P1	15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3581674-2 10/14/20 15:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.1	97.8	80.0-120	
Fluoride	8.00	8.02	100	80.0-120	
Sulfate	40.0	39.1	97.7	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

L1271298-22,23,27,28,30,32,33,34,35,36,37,38,39

L1271298-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-36 10/14/20 22:25 • (MS) R3581674-4 10/14/20 23:00 • (MSD) R3581674-5 10/14/20 23:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	5.84	55.8	56.1	99.9	100	1	80.0-120			0.546	15
Fluoride	5.00	U	5.00	5.03	99.9	101	1	80.0-120			0.666	15
Sulfate	50.0	5.05	54.9	55.2	99.7	100	1	80.0-120			0.487	15

L1271301-44 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-44 10/15/20 02:00 • (MS) R3581674-7 10/15/20 02:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	49.7	99.4	1	80.0-120	
Fluoride	5.00	U	4.99	99.8	1	80.0-120	
Sulfate	50.0	U	49.4	98.8	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Mercury by Method 7470A

L1271298-01,22,30

Method Blank (MB)

(MB) R3580201-1 10/11/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3580201-2 10/11/20 10:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00292	97.2	80.0-120	

L1271298-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-30 10/11/20 10:36 • (MS) R3580201-3 10/11/20 10:38 • (MSD) R3580201-4 10/11/20 10:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00261	0.00246	87.1	82.1	1	75.0-125			5.92	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010B

[L1271298-01,22,30](#)

Method Blank (MB)

(MB) R3580327-1 10/12/20 04:05

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3580327-2 10/12/20 04:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Boron	1.00	0.984	98.4	80.0-120	

L1271025-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271025-08 10/12/20 04:10 • (MS) R3580327-4 10/12/20 04:15 • (MSD) R3580327-5 10/12/20 04:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Boron	1.00	0.496	1.46	1.46	96.0	96.1	1	75.0-125			0.0564	20

Metals (ICPMS) by Method 6020

[L1271298-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3581976-1 10/15/20 15:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	0.0011	⬇	0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581976-2 10/15/20 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0481	96.1	80.0-120	
Barium	0.0500	0.0490	97.9	80.0-120	
Cadmium	0.0500	0.0494	98.8	80.0-120	
Calcium	5.00	4.92	98.5	80.0-120	
Chromium	0.0500	0.0492	98.5	80.0-120	
Cobalt	0.0500	0.0483	96.6	80.0-120	
Iron	5.00	4.78	95.7	80.0-120	
Lead	0.0500	0.0462	92.4	80.0-120	
Manganese	0.0500	0.0481	96.3	80.0-120	
Nickel	0.0500	0.0489	97.7	80.0-120	
Potassium	5.00	4.98	99.6	80.0-120	
Selenium	0.0500	0.0490	98.0	80.0-120	
Sodium	5.00	5.08	102	80.0-120	
Uranium	0.0500	0.0504	101	80.0-120	
Vanadium	0.0500	0.0492	98.4	80.0-120	

Metals (ICPMS) by Method 6020 [L1271298-01,02,03,04,05,06,07,08](#)

L1271298-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-08 10/15/20 15:24 • (MS) R3581976-4 10/15/20 15:32 • (MSD) R3581976-5 10/15/20 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00798	0.0571	0.0546	98.3	93.2	1	75.0-125			4.57	20
Barium	0.0500	0.0148	0.0677	0.0638	106	98.0	1	75.0-125			5.95	20
Cadmium	0.0500	U	0.0506	0.0505	101	101	1	75.0-125			0.251	20
Calcium	5.00	292	297	297	96.6	92.8	1	75.0-125			0.0646	20
Chromium	0.0500	U	0.0505	0.0488	98.4	95.0	1	75.0-125			3.42	20
Cobalt	0.0500	U	0.0491	0.0473	97.3	93.7	1	75.0-125			3.73	20
Potassium	5.00	3.46	8.33	8.34	97.3	97.6	1	75.0-125			0.140	20
Iron	5.00	0.700	5.55	5.33	97.1	92.6	1	75.0-125			4.16	20
Lead	0.0500	U	0.0459	0.0461	91.8	92.1	1	75.0-125			0.331	20
Manganese	0.0500	0.491	0.522	0.507	62.9	32.6	1	75.0-125	V	V	2.94	20
Nickel	0.0500	0.0101	0.0569	0.0561	93.7	92.0	1	75.0-125			1.53	20
Selenium	0.0500	0.000658	0.0532	0.0543	105	107	1	75.0-125			1.92	20
Sodium	5.00	1030	1030	1030	117	0.000	1	75.0-125	E	EV	0.736	20
Uranium	0.0500	U	0.0539	0.0546	102	104	1	75.0-125			1.15	20
Vanadium	0.0500	0.00192	0.0515	0.0494	99.2	95.0	1	75.0-125			4.07	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

L1271298-09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

Method Blank (MB)

(MB) R3581106-1 10/13/20 16:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581106-2 10/13/20 16:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0488	97.5	80.0-120	
Barium	0.0500	0.0463	92.6	80.0-120	
Cadmium	0.0500	0.0573	115	80.0-120	
Calcium	5.00	5.10	102	80.0-120	
Chromium	0.0500	0.0505	101	80.0-120	
Cobalt	0.0500	0.0523	105	80.0-120	
Iron	5.00	4.74	94.9	80.0-120	
Lead	0.0500	0.0517	103	80.0-120	
Manganese	0.0500	0.0485	97.1	80.0-120	
Nickel	0.0500	0.0529	106	80.0-120	
Potassium	5.00	4.92	98.4	80.0-120	
Selenium	0.0500	0.0552	110	80.0-120	
Sodium	5.00	5.34	107	80.0-120	
Uranium	0.0500	0.0504	101	80.0-120	
Vanadium	0.0500	0.0481	96.3	80.0-120	

Metals (ICPMS) by Method 6020 L1271298-09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

L1271298-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-09 10/13/20 16:17 • (MS) R3581106-4 10/13/20 16:23 • (MSD) R3581106-5 10/13/20 16:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00831	0.0601	0.0597	104	103	1	75.0-125			0.745	20
Barium	0.0500	0.0220	0.0694	0.0719	94.8	99.7	1	75.0-125			3.51	20
Cadmium	0.0500	U	0.0536	0.0528	107	106	1	75.0-125			1.39	20
Calcium	5.00	922	941	957	391	710	1	75.0-125	V	V	1.68	20
Chromium	0.0500	U	0.0513	0.0517	103	103	1	75.0-125			0.670	20
Cobalt	0.0500	0.000721	0.0524	0.0513	103	101	1	75.0-125			2.06	20
Potassium	5.00	15.8	20.7	21.0	97.9	105	1	75.0-125			1.76	20
Iron	5.00	4.53	9.66	9.51	103	99.5	1	75.0-125			1.58	20
Lead	0.0500	U	0.0514	0.0524	103	105	1	75.0-125			1.79	20
Manganese	0.0500	2.54	2.70	2.65	321	217	1	75.0-125	V	V	1.94	20
Nickel	0.0500	0.00284	0.0538	0.0534	102	101	1	75.0-125			0.803	20
Selenium	0.0500	U	0.0588	0.0585	116	116	1	75.0-125			0.462	20
Sodium	5.00	2460	2520	2550	1140	1740	1	75.0-125	EV	EV	1.19	20
Uranium	0.0500	U	0.0527	0.0540	103	106	1	75.0-125			2.35	20
Vanadium	0.0500	U	0.0514	0.0513	103	103	1	75.0-125			0.268	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Metals (ICPMS) by Method 6020 [L1271298-29,30,31,32,33,34,35,36,37,38,39](#)

Method Blank (MB)

(MB) R3581272-1 10/14/20 01:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	0.957	J	0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3581575-1 10/14/20 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sodium	0.764	J	0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3581272-2 10/14/20 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0483	96.6	80.0-120	
Barium	0.0500	0.0463	92.5	80.0-120	
Cadmium	0.0500	0.0541	108	80.0-120	
Calcium	5.00	4.93	98.7	80.0-120	
Chromium	0.0500	0.0513	103	80.0-120	
Cobalt	0.0500	0.0516	103	80.0-120	
Iron	5.00	4.99	99.8	80.0-120	
Lead	0.0500	0.0503	101	80.0-120	
Manganese	0.0500	0.0497	99.4	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	
Potassium	5.00	4.79	95.7	80.0-120	

Metals (ICPMS) by Method 6020

L1271298-29,30,31,32,33,34,35,36,37,38,39

Laboratory Control Sample (LCS)

(LCS) R3581272-2 10/14/20 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Selenium	0.0500	0.0505	101	80.0-120	
Sodium	5.00	4.83	96.7	80.0-120	
Uranium	0.0500	0.0486	97.2	80.0-120	
Vanadium	0.0500	0.0489	97.8	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3581575-2 10/14/20 18:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sodium	5.00	4.77	95.4	80.0-120	

L1271298-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-29 10/14/20 01:22 • (MS) R3581272-4 10/14/20 01:28 • (MSD) R3581272-5 10/14/20 01:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00783	0.0569	0.0573	98.1	99.0	1	75.0-125			0.773	20
Barium	0.0500	0.0169	0.0635	0.0650	93.3	96.1	1	75.0-125			2.20	20
Cadmium	0.0500	U	0.0509	0.0509	102	102	1	75.0-125			0.0707	20
Calcium	5.00	617	620	628	50.1	206	1	75.0-125	V	V	1.25	20
Chromium	0.0500	U	0.0495	0.0507	96.2	98.6	1	75.0-125			2.35	20
Cobalt	0.0500	0.00801	0.0566	0.0578	97.2	99.6	1	75.0-125			2.06	20
Potassium	5.00	23.5	28.0	28.2	89.6	94.7	1	75.0-125			0.893	20
Iron	5.00	0.925	5.66	5.72	94.7	95.9	1	75.0-125			1.06	20
Lead	0.0500	U	0.0510	0.0494	102	98.8	1	75.0-125			3.06	20
Manganese	0.0500	1.56	1.58	1.60	31.1	70.7	1	75.0-125	V	V	1.25	20
Nickel	0.0500	0.0177	0.0653	0.0674	95.0	99.2	1	75.0-125			3.16	20
Selenium	0.0500	U	0.0530	0.0538	106	108	1	75.0-125			1.46	20
Uranium	0.0500	0.0104	0.0619	0.0608	103	101	1	75.0-125			1.88	20
Vanadium	0.0500	U	0.0510	0.0519	100	102	1	75.0-125			1.81	20

L1271298-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-29 10/14/20 18:42 • (MS) R3581575-4 10/14/20 18:50 • (MSD) R3581575-5 10/14/20 18:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	5.00	2820	2770	2800	0.000	0.000	1	75.0-125	E V	E V	0.919	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

L1271298-03,05,06

Method Blank (MB)

(MB) R3582008-2 10/14/20 07:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	120			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582008-1 10/14/20 06:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.83	87.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	78.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-08](#)

Method Blank (MB)

(MB) R3581679-3 10/14/20 20:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	119			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3581679-2 10/14/20 19:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.43	98.7	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			107	78.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-09,10,11](#)

Method Blank (MB)

(MB) R3582382-3 10/16/20 07:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582382-2 10/16/20 06:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.95	108	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

L1271358-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271358-05 10/16/20 15:59 • (MS) R3582382-6 10/16/20 21:31 • (MSD) R3582382-7 10/16/20 21:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	U	3.47	3.48	63.1	63.3	1	10.0-160			0.288	22
(S) a,a,a-Trifluorotoluene(FID)					99.7	97.5		78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-14,15,16,17,18,19,20,21,22,23,24,25,26,28,29](#)

Method Blank (MB)

(MB) R3581975-2 10/15/20 14:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0416	⌵	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3581975-1 10/15/20 13:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.41	117	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			114	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-31,32,33,34,35,36,37,38,39](#)

Method Blank (MB)

(MB) R3582143-3 10/15/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582143-2 10/15/20 18:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.78	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-01,02,04,07](#)

Method Blank (MB)

(MB) R3582384-3 10/16/20 07:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582384-2 10/16/20 06:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.95	108	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271298-12.13](#)

Method Blank (MB)

(MB) R3583314-3 10/19/20 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3583314-2 10/19/20 13:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.48	99.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

L1271298-03,05,06,07,08,09

Method Blank (MB)

(MB) R3582355-2 10/16/20 06:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	0.000134	U	0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B [L1271298-03,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3582355-2 10/16/20 06:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	108			80.0-120
(S) 4-Bromofluorobenzene	99.8			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3582355-1 10/16/20 05:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0271	108	19.0-160	
Benzene	0.00500	0.00512	102	70.0-123	
Bromodichloromethane	0.00500	0.00498	99.6	75.0-120	
Bromoform	0.00500	0.00480	96.0	68.0-132	
Bromomethane	0.00500	0.00510	102	10.0-160	
n-Butylbenzene	0.00500	0.00494	98.8	73.0-125	
sec-Butylbenzene	0.00500	0.00500	100	75.0-125	
Carbon disulfide	0.00500	0.00512	102	61.0-128	
Carbon tetrachloride	0.00500	0.00465	93.0	68.0-126	
Chlorobenzene	0.00500	0.00520	104	80.0-121	
Chlorodibromomethane	0.00500	0.00481	96.2	77.0-125	
Chloroethane	0.00500	0.00537	107	47.0-150	
Chloroform	0.00500	0.00520	104	73.0-120	
Chloromethane	0.00500	0.00493	98.6	41.0-142	
1,2-Dibromoethane	0.00500	0.00517	103	80.0-122	
1,1-Dichloroethane	0.00500	0.00520	104	70.0-126	
1,2-Dichloroethane	0.00500	0.00503	101	70.0-128	
1,1-Dichloroethene	0.00500	0.00515	103	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00536	107	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00530	106	73.0-120	
1,2-Dichloropropane	0.00500	0.00530	106	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00502	100	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00469	93.8	78.0-124	
Ethylbenzene	0.00500	0.00525	105	79.0-123	

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

L1271298-03,05,06,07,08,09

Laboratory Control Sample (LCS)

(LCS) R3582355-1 10/16/20 05:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Hexanone	0.0250	0.0257	103	67.0-149	
Isopropylbenzene	0.00500	0.00526	105	76.0-127	
p-Isopropyltoluene	0.00500	0.00499	99.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0251	100	44.0-160	
Methylene Chloride	0.00500	0.00479	95.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0252	101	68.0-142	
Methyl tert-butyl ether	0.00500	0.00501	100	68.0-125	
Naphthalene	0.00500	0.00516	103	54.0-135	
n-Propylbenzene	0.00500	0.00472	94.4	77.0-124	
Styrene	0.00500	0.00502	100	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00491	98.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00446	89.2	65.0-130	
Tetrachloroethene	0.00500	0.00549	110	72.0-132	
Toluene	0.00500	0.00506	101	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00521	104	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00492	98.4	80.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00477	95.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00467	93.4	76.0-122	
Vinyl chloride	0.00500	0.00538	108	67.0-131	
Xylenes, Total	0.0150	0.0155	103	79.0-123	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylenes	0.0100	0.0104	104	80.0-122	
(S) Toluene-d8			107	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			109	70.0-130	

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 8260B

L1271298-03,05,06,07,08,09

Method Blank (MB)

(MB) R3582681-3 10/16/20 18:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	99.7			80.0-120
(S) 4-Bromofluorobenzene	96.3			77.0-126
(S) 1,2-Dichloroethane-d4	126			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582681-1 10/16/20 17:11 • (LCSD) R3582681-2 10/16/20 17:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.00500	0.00596	0.00592	119	118	78.0-124			0.673	20
(S) Toluene-d8				99.0	101	80.0-120				
(S) 4-Bromofluorobenzene				97.4	98.8	77.0-126				
(S) 1,2-Dichloroethane-d4				120	129	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271298-01,02,04,10

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271298-01,02,04,10

Method Blank (MB)

(MB) R3583108-2 10/17/20 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0244	97.6	19.0-160	
Benzene	0.00500	0.00503	101	70.0-123	
Bromodichloromethane	0.00500	0.00493	98.6	75.0-120	
Bromoform	0.00500	0.00486	97.2	68.0-132	
Bromomethane	0.00500	0.00555	111	10.0-160	
n-Butylbenzene	0.00500	0.00506	101	73.0-125	
sec-Butylbenzene	0.00500	0.00510	102	75.0-125	
Carbon disulfide	0.00500	0.00486	97.2	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00517	103	80.0-121	
Chlorodibromomethane	0.00500	0.00505	101	77.0-125	
Chloroethane	0.00500	0.00559	112	47.0-150	
Chloroform	0.00500	0.00498	99.6	73.0-120	
Chloromethane	0.00500	0.00502	100	41.0-142	
1,2-Dibromoethane	0.00500	0.00511	102	80.0-122	
1,1-Dichloroethane	0.00500	0.00507	101	70.0-126	
1,2-Dichloroethane	0.00500	0.00500	100	70.0-128	
1,1-Dichloroethene	0.00500	0.00486	97.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00512	102	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00509	102	73.0-120	
1,2-Dichloropropane	0.00500	0.00504	101	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00485	97.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00481	96.2	78.0-124	
Ethylbenzene	0.00500	0.00531	106	79.0-123	

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

L1271298-01,02,04,10

Laboratory Control Sample (LCS)

(LCS) R3583108-1 10/17/20 08:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00517	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00515	103	76.0-125	
2-Butanone (MEK)	0.0250	0.0238	95.2	44.0-160	
Methylene Chloride	0.00500	0.00469	93.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0251	100	68.0-142	
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Naphthalene	0.00500	0.00505	101	54.0-135	
n-Propylbenzene	0.00500	0.00475	95.0	77.0-124	
Styrene	0.00500	0.00508	102	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00530	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00425	85.0	65.0-130	
Tetrachloroethene	0.00500	0.00548	110	72.0-132	
Toluene	0.00500	0.00513	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00508	102	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00530	106	80.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00472	94.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00478	95.6	76.0-122	
Vinyl chloride	0.00500	0.00554	111	67.0-131	
Xylenes, Total	0.0150	0.0154	103	79.0-123	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylenes	0.0100	0.0103	103	80.0-122	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

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 8260B

L1271298-11,15,36

Method Blank (MB)

(MB) R3582655-2 10/17/20 04:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100

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 8260B

L1271298-11,15,36

Method Blank (MB)

(MB) R3582655-2 10/17/20 04:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	107			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	119			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582655-1 10/17/20 04:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0251	100	19.0-160	
Benzene	0.00500	0.00514	103	70.0-123	
Bromodichloromethane	0.00500	0.00548	110	75.0-120	
Bromoform	0.00500	0.00521	104	68.0-132	
Bromomethane	0.00500	0.00571	114	10.0-160	
n-Butylbenzene	0.00500	0.00441	88.2	73.0-125	
sec-Butylbenzene	0.00500	0.00517	103	75.0-125	
Carbon disulfide	0.00500	0.00540	108	61.0-128	
Carbon tetrachloride	0.00500	0.00642	128	68.0-126	J4
Chlorobenzene	0.00500	0.00513	103	80.0-121	
Chlorodibromomethane	0.00500	0.00520	104	77.0-125	
Chloroethane	0.00500	0.00608	122	47.0-150	
Chloroform	0.00500	0.00566	113	73.0-120	
Chloromethane	0.00500	0.00505	101	41.0-142	
1,2-Dibromoethane	0.00500	0.00509	102	80.0-122	
1,1-Dichloroethane	0.00500	0.00536	107	70.0-126	
1,2-Dichloroethane	0.00500	0.00546	109	70.0-128	
1,1-Dichloroethene	0.00500	0.00554	111	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00535	107	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00546	109	73.0-120	
1,2-Dichloropropane	0.00500	0.00496	99.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00492	98.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00483	96.6	78.0-124	
Ethylbenzene	0.00500	0.00529	106	79.0-123	

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 8260B

L1271298-11,15,36

Laboratory Control Sample (LCS)

(LCS) R3582655-1 10/17/20 04:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Hexanone	0.0250	0.0216	86.4	67.0-149	
Isopropylbenzene	0.00500	0.00503	101	76.0-127	
p-Isopropyltoluene	0.00500	0.00518	104	76.0-125	
2-Butanone (MEK)	0.0250	0.0225	90.0	44.0-160	
Methylene Chloride	0.00500	0.00481	96.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0236	94.4	68.0-142	
Methyl tert-butyl ether	0.00500	0.00517	103	68.0-125	
n-Propylbenzene	0.00500	0.00521	104	77.0-124	
Styrene	0.00500	0.00484	96.8	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00538	108	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00448	89.6	65.0-130	
Tetrachloroethene	0.00500	0.00599	120	72.0-132	
Toluene	0.00500	0.00509	102	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00632	126	73.0-124	J4
1,1,2-Trichloroethane	0.00500	0.00496	99.2	80.0-120	
Trichloroethene	0.00500	0.00604	121	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00511	102	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00528	106	76.0-122	
Vinyl chloride	0.00500	0.00423	84.6	67.0-131	
Xylenes, Total	0.0150	0.0153	102	79.0-123	
o-Xylene	0.00500	0.00482	96.4	80.0-122	
m&p-Xylenes	0.0100	0.0105	105	80.0-122	
(S) Toluene-d8			104	80.0-120	
(S) 4-Bromofluorobenzene			100	77.0-126	
(S) 1,2-Dichloroethane-d4			116	70.0-130	

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 8260B

L1271298-13,23,24,35

Method Blank (MB)

(MB) R3582662-2 10/17/20 02:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271298-13,23,24,35

Method Blank (MB)

(MB) R3582662-2 10/17/20 02:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	95.6			77.0-126
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3582662-1 10/17/20 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0225	90.0	19.0-160	
Benzene	0.00500	0.00489	97.8	70.0-123	
Bromodichloromethane	0.00500	0.00447	89.4	75.0-120	
Bromoform	0.00500	0.00461	92.2	68.0-132	
Bromomethane	0.00500	0.00680	136	10.0-160	
n-Butylbenzene	0.00500	0.00384	76.8	73.0-125	
sec-Butylbenzene	0.00500	0.00421	84.2	75.0-125	
Carbon disulfide	0.00500	0.00492	98.4	61.0-128	
Carbon tetrachloride	0.00500	0.00473	94.6	68.0-126	
Chlorobenzene	0.00500	0.00505	101	80.0-121	
Chlorodibromomethane	0.00500	0.00456	91.2	77.0-125	
Chloroethane	0.00500	0.00635	127	47.0-150	
Chloroform	0.00500	0.00475	95.0	73.0-120	
Chloromethane	0.00500	0.00339	67.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00514	103	80.0-122	
1,1-Dichloroethane	0.00500	0.00435	87.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00485	97.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00506	101	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00481	96.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00492	98.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00415	83.0	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00422	84.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00386	77.2	78.0-124	J4

Laboratory Control Sample (LCS)

(LCS) R3582662-1 10/17/20 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00530	106	79.0-123	
2-Hexanone	0.0250	0.0178	71.2	67.0-149	
Isopropylbenzene	0.00500	0.00485	97.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00411	82.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0182	72.8	44.0-160	
Methylene Chloride	0.00500	0.00439	87.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0172	68.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00464	92.8	68.0-125	
Naphthalene	0.00500	0.00389	77.8	54.0-135	
n-Propylbenzene	0.00500	0.00385	77.0	77.0-124	
Styrene	0.00500	0.00482	96.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00456	91.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00371	74.2	65.0-130	
Tetrachloroethene	0.00500	0.00581	116	72.0-132	
Toluene	0.00500	0.00455	91.0	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00485	97.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00477	95.4	80.0-120	
Trichloroethene	0.00500	0.00580	116	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00392	78.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00383	76.6	76.0-122	
Vinyl chloride	0.00500	0.00408	81.6	67.0-131	
Xylenes, Total	0.0150	0.0145	96.7	79.0-123	
o-Xylene	0.00500	0.00496	99.2	80.0-122	
m&p-Xylenes	0.0100	0.00958	95.8	80.0-122	
(S) Toluene-d8			100	80.0-120	
(S) 4-Bromofluorobenzene			95.6	77.0-126	
(S) 1,2-Dichloroethane-d4			96.9	70.0-130	

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 8260B

L1271298-37,38,39,40,41

Method Blank (MB)

(MB) R3582663-2 10/16/20 17:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271298-37,38,39,40,41

Method Blank (MB)

(MB) R3582663-2 10/16/20 17:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	94.8			77.0-126
(S) 1,2-Dichloroethane-d4	95.3			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582663-1 10/16/20 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0251	100	19.0-160	
Benzene	0.00500	0.00525	105	70.0-123	
Bromodichloromethane	0.00500	0.00481	96.2	75.0-120	
Bromoform	0.00500	0.00501	100	68.0-132	
Bromomethane	0.00500	0.00925	185	10.0-160	J4
n-Butylbenzene	0.00500	0.00471	94.2	73.0-125	
sec-Butylbenzene	0.00500	0.00498	99.6	75.0-125	
Carbon disulfide	0.00500	0.00557	111	61.0-128	
Carbon tetrachloride	0.00500	0.00562	112	68.0-126	
Chlorobenzene	0.00500	0.00549	110	80.0-121	
Chlorodibromomethane	0.00500	0.00514	103	77.0-125	
Chloroethane	0.00500	0.00586	117	47.0-150	
Chloroform	0.00500	0.00518	104	73.0-120	
Chloromethane	0.00500	0.00360	72.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00569	114	80.0-122	
1,1-Dichloroethane	0.00500	0.00501	100	70.0-126	
1,2-Dichloroethane	0.00500	0.00542	108	70.0-128	
1,1-Dichloroethene	0.00500	0.00550	110	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00525	105	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00581	116	73.0-120	
1,2-Dichloropropane	0.00500	0.00461	92.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00505	101	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00463	92.6	78.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271298-37,38,39,40,41

Laboratory Control Sample (LCS)

(LCS) R3582663-1 10/16/20 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00573	115	79.0-123	
2-Hexanone	0.0250	0.0211	84.4	67.0-149	
Isopropylbenzene	0.00500	0.00540	108	76.0-127	
p-Isopropyltoluene	0.00500	0.00487	97.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0209	83.6	44.0-160	
Methylene Chloride	0.00500	0.00503	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0192	76.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00501	100	68.0-125	
Naphthalene	0.00500	0.00418	83.6	54.0-135	
n-Propylbenzene	0.00500	0.00449	89.8	77.0-124	
Styrene	0.00500	0.00529	106	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00533	107	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00445	89.0	65.0-130	
Tetrachloroethene	0.00500	0.00653	131	72.0-132	
Toluene	0.00500	0.00521	104	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00567	113	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00543	109	80.0-120	
Trichloroethene	0.00500	0.00663	133	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00446	89.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00436	87.2	76.0-122	
Vinyl chloride	0.00500	0.00498	99.6	67.0-131	
Xylenes, Total	0.0150	0.0164	109	79.0-123	
o-Xylene	0.00500	0.00565	113	80.0-122	
m&p-Xylenes	0.0100	0.0108	108	80.0-122	
(S) Toluene-d8			99.2	80.0-120	
(S) 4-Bromofluorobenzene			96.3	77.0-126	
(S) 1,2-Dichloroethane-d4			98.4	70.0-130	

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 8260B

L1271298-12,16,17,18,19,20,21,22,25,26,28,29,30,32,33,34

Method Blank (MB)

(MB) R3582701-2 10/17/20 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271298-12,16,17,18,19,20,21,22,25,26,28,29,30,32,33,34

Method Blank (MB)

(MB) R3582701-2 10/17/20 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
(S) Toluene-d8	107			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	90.4			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582701-1 10/17/20 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0201	80.4	19.0-160	
Benzene	0.00500	0.00504	101	70.0-123	
Bromodichloromethane	0.00500	0.00441	88.2	75.0-120	
Bromoform	0.00500	0.00420	84.0	68.0-132	
Bromomethane	0.00500	0.00604	121	10.0-160	
n-Butylbenzene	0.00500	0.00432	86.4	73.0-125	
sec-Butylbenzene	0.00500	0.00416	83.2	75.0-125	
Carbon disulfide	0.00500	0.00485	97.0	61.0-128	
Carbon tetrachloride	0.00500	0.00437	87.4	68.0-126	
Chlorobenzene	0.00500	0.00509	102	80.0-121	
Chlorodibromomethane	0.00500	0.00427	85.4	77.0-125	
Chloroethane	0.00500	0.00532	106	47.0-150	
Chloroform	0.00500	0.00477	95.4	73.0-120	
Chloromethane	0.00500	0.00409	81.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00481	96.2	80.0-122	
1,1-Dichloroethane	0.00500	0.00458	91.6	70.0-126	
1,2-Dichloroethane	0.00500	0.00458	91.6	70.0-128	
1,1-Dichloroethene	0.00500	0.00529	106	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00459	91.8	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00484	96.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00491	98.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00453	90.6	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00431	86.2	78.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271298-12,16,17,18,19,20,21,22,25,26,28,29,30,32,33,34

Laboratory Control Sample (LCS)

(LCS) R3582701-1 10/17/20 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00510	102	79.0-123	
2-Hexanone	0.0250	0.0221	88.4	67.0-149	
Isopropylbenzene	0.00500	0.00446	89.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00440	88.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0217	86.8	44.0-160	
Methylene Chloride	0.00500	0.00527	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0220	88.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00468	93.6	68.0-125	
Naphthalene	0.00500	0.00345	69.0	54.0-135	
n-Propylbenzene	0.00500	0.00451	90.2	77.0-124	
Styrene	0.00500	0.00460	92.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00454	90.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00389	77.8	65.0-130	
Tetrachloroethene	0.00500	0.00575	115	72.0-132	
Toluene	0.00500	0.00476	95.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00462	92.4	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00510	102	80.0-120	
Trichloroethene	0.00500	0.00580	116	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00422	84.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00454	90.8	76.0-122	
Vinyl chloride	0.00500	0.00418	83.6	67.0-131	
Xylenes, Total	0.0150	0.0148	98.7	79.0-123	
o-Xylene	0.00500	0.00481	96.2	80.0-122	
m&p-Xylene	0.0100	0.00999	99.9	80.0-122	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			103	77.0-126	
(S) 1,2-Dichloroethane-d4			88.3	70.0-130	

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 8260B

L1271298-31

Method Blank (MB)

(MB) R3582711-2 10/18/20 03:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000369	U	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100

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 8260B

L1271298-31

Method Blank (MB)

(MB) R3582711-2 10/18/20 03:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	108			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3582711-1 10/18/20 02:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0238	95.2	19.0-160	
Bromodichloromethane	0.00500	0.00490	98.0	75.0-120	
Bromoform	0.00500	0.00495	99.0	68.0-132	
Bromomethane	0.00500	0.00303	60.6	10.0-160	
n-Butylbenzene	0.00500	0.00447	89.4	73.0-125	
sec-Butylbenzene	0.00500	0.00449	89.8	75.0-125	
Carbon disulfide	0.00500	0.00429	85.8	61.0-128	
Carbon tetrachloride	0.00500	0.00471	94.2	68.0-126	
Chlorobenzene	0.00500	0.00500	100	80.0-121	
Chlorodibromomethane	0.00500	0.00494	98.8	77.0-125	
Chloroethane	0.00500	0.00500	100	47.0-150	
Chloroform	0.00500	0.00454	90.8	73.0-120	
Chloromethane	0.00500	0.00426	85.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00485	97.0	80.0-122	
1,1-Dichloroethane	0.00500	0.00455	91.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00465	93.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00459	91.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00470	94.0	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00438	87.6	73.0-120	
1,2-Dichloropropane	0.00500	0.00456	91.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00426	85.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00453	90.6	78.0-124	
Ethylbenzene	0.00500	0.00469	93.8	79.0-123	
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00469	93.8	76.0-127	

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

L1271298-31

Laboratory Control Sample (LCS)

(LCS) R3582711-1 10/18/20 02:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	0.00500	0.00448	89.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0243	97.2	44.0-160	
Methylene Chloride	0.00500	0.00496	99.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0245	98.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00481	96.2	68.0-125	
n-Propylbenzene	0.00500	0.00422	84.4	77.0-124	
Styrene	0.00500	0.00481	96.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00494	98.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00435	87.0	65.0-130	
Tetrachloroethene	0.00500	0.00483	96.6	72.0-132	
Toluene	0.00500	0.00468	93.6	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00450	90.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00504	101	80.0-120	
Trichloroethene	0.00500	0.00481	96.2	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00435	87.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00436	87.2	76.0-122	
Vinyl chloride	0.00500	0.00438	87.6	67.0-131	
Xylenes, Total	0.0150	0.0140	93.3	79.0-123	
o-Xylene	0.00500	0.00470	94.0	80.0-122	
m&p-Xylenes	0.0100	0.00934	93.4	80.0-122	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			106	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

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 8260B

L1271298-11,15,36

Method Blank (MB)

(MB) R3582767-2 10/18/20 05:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582767-1 10/18/20 04:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.00500	0.00416	83.2	54.0-135	
(S) Toluene-d8			98.3	80.0-120	
(S) 4-Bromofluorobenzene			95.8	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271298-14

Method Blank (MB)

(MB) R3583024-2 10/18/20 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271298-14

Method Blank (MB)

(MB) R3583024-2 10/18/20 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3583024-1 10/18/20 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0239	95.6	19.0-160	
Benzene	0.00500	0.00515	103	70.0-123	
Bromodichloromethane	0.00500	0.00488	97.6	75.0-120	
Bromoform	0.00500	0.00489	97.8	68.0-132	
Bromomethane	0.00500	0.00579	116	10.0-160	
n-Butylbenzene	0.00500	0.00560	112	73.0-125	
sec-Butylbenzene	0.00500	0.00551	110	75.0-125	
Carbon disulfide	0.00500	0.00495	99.0	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00543	109	80.0-121	
Chlorodibromomethane	0.00500	0.00512	102	77.0-125	
Chloroethane	0.00500	0.00589	118	47.0-150	
Chloroform	0.00500	0.00522	104	73.0-120	
Chloromethane	0.00500	0.00555	111	41.0-142	
1,2-Dibromoethane	0.00500	0.00513	103	80.0-122	
1,1-Dichloroethane	0.00500	0.00543	109	70.0-126	
1,2-Dichloroethane	0.00500	0.00535	107	70.0-128	
1,1-Dichloroethene	0.00500	0.00505	101	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00535	107	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00527	105	73.0-120	
1,2-Dichloropropane	0.00500	0.00518	104	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00479	95.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00487	97.4	78.0-124	

Volatile Organic Compounds (GC/MS) by Method 8260B [L1271298-14](#)

Laboratory Control Sample (LCS)

(LCS) R3583024-1 10/18/20 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	0.00500	0.00564	113	79.0-123	
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00555	111	76.0-127	
p-Isopropyltoluene	0.00500	0.00553	111	76.0-125	
2-Butanone (MEK)	0.0250	0.0246	98.4	44.0-160	
Methylene Chloride	0.00500	0.00486	97.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0247	98.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00502	100	68.0-125	
Naphthalene	0.00500	0.00511	102	54.0-135	
n-Propylbenzene	0.00500	0.00485	97.0	77.0-124	
Styrene	0.00500	0.00534	107	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00550	110	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00465	93.0	65.0-130	
Tetrachloroethene	0.00500	0.00567	113	72.0-132	
Toluene	0.00500	0.00549	110	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00530	106	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00528	106	80.0-120	
Trichloroethene	0.00500	0.00518	104	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00496	99.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00488	97.6	76.0-122	
Vinyl chloride	0.00500	0.00597	119	67.0-131	
Xylenes, Total	0.0150	0.0164	109	79.0-123	
o-Xylene	0.00500	0.00534	107	80.0-122	
m&p-Xylenes	0.0100	0.0111	111	80.0-122	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			111	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1271298-31](#)

Method Blank (MB)

(MB) R3582899-2 10/18/20 13:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	108			80.0-120
(S) 4-Bromofluorobenzene	94.3			77.0-126
(S) 1,2-Dichloroethane-d4	105			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582899-1 10/18/20 12:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00488	97.6	70.0-123	
Naphthalene	0.00500	0.00531	106	54.0-135	
(S) Toluene-d8			106	80.0-120	
(S) 4-Bromofluorobenzene			97.6	77.0-126	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

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 8260B

L1271298-01,02,04,10

Method Blank (MB)

(MB) R3583344-3 10/19/20 22:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583344-1 10/19/20 21:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Trichloroethene	0.00500	0.00507	101	78.0-124	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271298-01,02](#)

Method Blank (MB)

(MB) R3581663-1 10/14/20 12:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	98.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581663-2 10/14/20 12:50 • (LCSD) R3581663-3 10/14/20 13:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.63	1.63	109	109	50.0-150			0.000	20
(S) o-Terphenyl				107	108	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271298-03,04,05,06,07,08,09,10,11,12,15,16,17,18,19,20,21,22,25,26](#)

Method Blank (MB)

(MB) R3581260-1 10/13/20 21:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	102			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581260-2 10/13/20 21:40 • (LCSD) R3581260-3 10/13/20 22:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.58	1.59	105	106	50.0-150			0.631	20
(S) o-Terphenyl				50.0	51.0	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3582056-1 10/15/20 05:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0505	⬇	0.0247	0.100
(S) o-Terphenyl	85.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582056-2 10/15/20 06:04 • (LCSD) R3582056-3 10/15/20 06:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.44	1.45	96.0	96.7	50.0-150			0.692	20
(S) o-Terphenyl				114	111	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271298-13,14,23,24,35](#)

Method Blank (MB)

(MB) R3581676-1 10/14/20 23:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	101			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581676-2 10/15/20 00:19 • (LCSD) R3581676-3 10/15/20 00:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.58	1.61	105	107	50.0-150			1.88	20
(S) o-Terphenyl				106	104	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

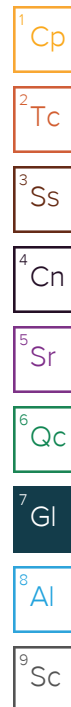
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ¹⁴	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

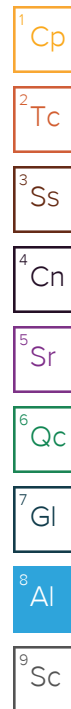
Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

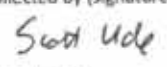
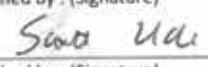
Texas	T104704328-20-18

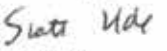
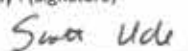
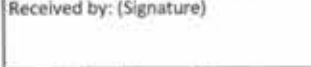
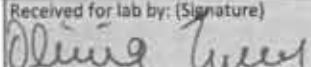
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable



TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 5			
Report to: Julie Speer			Email To: jspeer@trcsolutions.com															Pace Analytical® National Center for Testing & Assessment 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project Description: EP Fall 2020			City/State Collected: Artesia, NM															L# 11271298			
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-EP														Table #			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # EP (Navajo - Artesia)		P.O. # 150726														Acctnum: TRCATX Template: T140422 Prelogin: P799953 TSR: 526 PB:			
Collected by (signature): <i>Scott Ude</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed														Shipped Via:	
Immediately Packed on Ice N ☐ Y ☒																					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	VOC - 40mlAmb-HCl-BIK	Remarks	Sample # (lab only)			
MW-85 LNA PL	Grab	GW				9	x	x	x	x	x	x	x					-01			
MW-86	Grab	GW		10/6/20	1635	10	x	x	x		x	x	x	x	x			-02 -01			
MW-120	Grab	GW			900	9	x	x	x	x	x	x	x					-03 -02			
MW-121	Grab	GW			940	9	x	x	x	x	x	x	x					-04 -03			
MW-84	Grab	GW			1550	9	x	x	x	x	x	x	x					-05 -04			
MW-122	Grab	GW			1115	9	x	x	x	x	x	x	x					-06 -05			
MW-79	Grab	GW			1030	9	x	x	x	x	x	x	x					-07 -06			
MW-74	Grab	GW			1435	9	x	x	x	x	x	x	x					-08 -07			
MW-2A	Grab	GW			1155	9	x	x	x	x	x	x	x					-09 -08			
OCD-6	Grab	GW			1250	9	x	x	x	x	x	x	x					-10 -09			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																			
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																			
Relinquished by: (Signature) <i>Scott Ude</i>		Date: 10/7/20		Time: 1400		Received by: (Signature)		Trip Blank Received: Yes/No ☒ Yes ☐ No HCL/ MeOH TBR		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ NP COC Signed/Accurate: ☒ Bottles arrive intact: ☒ Correct bottles used: ☒ Sufficient volume sent: ☒ If Applicable VQA Zero Headspace: ☒ Preservation Correct/Checked: ☒ N	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: 11.1-11.9 Bottles Received: 326		If preservation required by Login: Date/Time											
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) <i>Quinn Tully</i>		Date: 10/8/20 Time: 900		Hold:										Condition: ☒ NCF ☐ OK	

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752						Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com						Analysis / Container / Preservative						Chain of Custody Page 2 of 5	
Report to: Julie Speer						Email To: jspeer@trcsolutions.com						Pres Chk						Pace Analytical National Center for Testing & Innovation 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: EP Fall 2020						City/State Collected: Artesia, NM						VOC - 40mlAmb HCl DRO - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total Short List Metals 250mlHDPE-HNO3 Cations (from "total metals" bottle) Anions. TDS - 250mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total Long List Metals 250mlHDPE-HNO3 Cyanide - 250mlHDPEAmb-NaOH VOC - 40mlAmb-HCl-BIK						L # Table # U271298 Acctnum: TRCATX Template: T140422 Prelogin: P799953 TSR: 526 PB: Shipped Via:	
Phone: 512-684-3170 Fax:			Client Project # 330538.0000.0000			Lab Project # TRCATX-EP			P.O. # 150726			Quote #			No. of Cntrs				
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # EP (Navajo - Artesia)			P.O. # 150726			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Date Results Needed			No. of Cntrs				
Collected by (signature): <i>Scott Ude</i>			Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs			No. of Cntrs			No. of Cntrs				
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time														
OCD-7AR	Grab	GW		10/6/20	1330	9	x	x	x	x	x	x	x			-10			
MW-76	Grab	GW		10/6/20	1720	9	x	x	x	x	x	x	x			-11			
MW-75	Grab	GW		10/6/20	1625	9	x	x	x	x	x	x	x			-12			
MW-83	Grab	GW		10/7/20	845	9	x	x	x	x	x	x	x			-13			
MW-3	Grab	GW		10/7/20	930	9	x	x	x	x	x	x	x			-14			
MW-88	Grab	GW		10/6/20	1255	7	x	x	x	x						-15			
MW-22A	Grab	GW		10/6/20	1340	9	x	x	x	x	x	x	x			-16			
MW-10	Grab	GW		10/6/20	1445	9	x	x	x	x	x	x	x			-17			
MW-123	Grab	GW		10/6/20	1530	9	x	x	x	x	x	x	x			-18			
MW-4A	Grab	GW		10/6/20	1200	9	x	x	x	x	x	x	x			-19			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other						Remarks:						pH _____ Temp _____ Flow _____ Other _____						Sample Receipt Checklist COC Seal Present/Intact: ☒ NP COC Signed/Accurate: ☒ Y Bottles arrive intact: ☒ Y Correct bottles used: ☒ Y Sufficient volume sent: ☒ Y If Applicable VOA Zero Headspace: ☒ Y Preservation Correct/Checked: ☒ Y	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier						Tracking #						Relinquished by: (Signature) <i>Scott Ude</i>						Date: 10/7/20 Time: 1400	
Relinquished by: (Signature)						Date: Time:						Received by: (Signature)						Trip Blank Received: Yes ☒ No ☐ HCL MeOH TBR	
Relinquished by: (Signature)						Date: Time:						Received by: (Signature)						Temp: 11-2-9 326 Bottles Received:	
Relinquished by: (Signature)						Date: Time:						Received for lab by: (Signature) <i>Olivia Tucci</i>						Date: 10/8/20 Time: 900	
Condition: NCP / OK						Hold:						If preservation required by Login: Date/Time							

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752		Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page <u>3</u> of <u>5</u>  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Report to: Julie Speer		Email To: jspeer@trcsolutions.com														L# Table # <u>4271298</u>	
Project Description: EP Fall 2020		City/State: Collected: Artesia, NM														Acctnum: TRCATX Template: T140422 Prelogin: P799953 TSR: 526 PB:	
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-EP												Shipped Via:	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # EP (Navajo - Artesia)		P.O. # 150726												Remarks Sample # (lab only)	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed													
Immediately Packed on Ice N ☐ Y ☒																	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	VOC - 40mlAmb-HCl-Bik	
MW-5A	Grab	GW		10/6/20	1050	9	x	x	x	x	x	x	x				
MW-7A	Grab	GW		10/6/20	940	9	x	x	x	x	x	x	x				
OCD-8A	Grab	GW		10/6/20	840	10	x	x	x		x	x	x	x	x		
OCD-1R	Grab	GW		10/7/20	1000	9	x	x	x	x	x	x	x				
OCD-2A	Grab	GW		10/7/20	830	7	x	x	x	x							
OCD-3	Grab	GW		10/6/20	1640	7	x	x	x	x							
OCD-4	Grab	GW		10/6/20	1600	7	x	x	x	x							
MW-11A	Grab	GW		10/7/20	915	3					x	x	x				
OCD-5	Grab	GW		10/6/20	1520	9	x	x	x	x	x	x	x				
MW-87	Grab	GW		10/6/20	1150	7	x	x	x	x							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ NP COC Signed/Accurate: ☒ N Bottles arrive intact: ☒ N Correct bottles used: ☒ N Sufficient volume sent: ☒ N If Applicable VOA Zero Headspace: ☒ N Preservation Correct/Checked: ☒ N	
Relinquished by: (Signature) 		Date: 10/7/20		Time: 1400		Received by: (Signature) 		Trip Blank Received: Yes/No ☒ Yes ☐ No HCl / MeOH TBR		Temp: 11.2 Bottles Received: 326		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:		Condition: ☒ NCF ☐ OK			

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 4 of 5 			
Report to: Julie Speer			Email To: jspeer@trcsolutions.com															12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Project Description: EP Fall 2020			City/State Collected: Artesia, NM															L #: Table # U1271298			
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-EP														Acctnum: TRCATX Template: T140422 Prelogin: P799953 TSR: 526 PB:			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # EP (Navajo - Artesia)		P.O. # 150726														Shipped Via:			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs												Remarks Sample # (lab only)	
Immediately Packed on Ice N ☐ Y ☒																					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time					VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	VOC - 40mlAmb-HCl-Bik		
MW-18A	Grab	GW		10/6/20	1230	8	x	x		x	x			x	x	x	x	x			-30
MW-70	Grab	GW		10/6/20	1320	7	x	x	x	x											-31
MW-124	Grab	GW		10/6/20	1405	9	x	x	x	x	x	x	x	x	x	x					-32
DUP-EP-01	Grab	GW		10/6/20	900	9	x	x	x	x	x	x	x	x	x	x					-33
DUP-EP-02	Grab	GW		10/6/20	1100	9	x	x	x	x	x	x	x	x	x	x					-34
DUP-EP-03	Grab	GW		10/7/20	900	9	x	x	x	x	x	x	x	x	x	x					-35
EB-EP-01	Grab	GW		10/6/20	1450	9	x	x	x	x	x	x	x	x	x	x					-36
EB-EP-02	Grab	GW		10/6/20	1420	9	x	x	x	x	x	x	x	x	x	x					-37
EB-EP-03	Grab	GW		10/6/20	1110	9	x	x	x	x	x	x	x	x	x	x					-38
EB-EP-04	Grab	GW		10/6/20	1045	9	x	x	x	x	x	x	x	x	x	x					-39
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP COC Signed/Accurate: ☒ Y Bottles arrive intact: ☒ Y Correct bottles used: ☒ Y Sufficient volume sent: ☒ Y If Applicable VOA Zero Headspace: ☒ N Preservation Correct/Checked: ☒ Y											
Relinquished by: (Signature) 		Date: 10/7/20		Time: 1400		Received by: (Signature) 		Trip Blank Received: ☒ Yes/No FIC / MeOH TBR		Bottles Received: 326										If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: 11.2 = .9		Hold:										Condition: NCF OK	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 10/8/20		Time: 900										Condition: NCF OK	

Released to Imaging: 11/22/2022 9:58:43 AM

Hailey Melson



Login #: L1271298	Client: TRCATX	Date: 10/08/2020	Evaluated by: Olivia S.

Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	
Parameter(s) past holding time	Login Clarification Needed	If Broken Container:
Temperature not in range	Chain of custody is incomplete	Insufficient packing material around container
Improper container type	Please specify Metals requested.	Insufficient packing material inside cooler
pH not in range.	Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Court Sample was frozen
Insufficient sample volume.	Received additional samples not listed on coc.	Container lid not intact
Sample is biphasic.	Sample ids on containers do not match ids on coc	If no Chain of Custody:
Vials received with headspace.	Trip Blank not received.	Received by:
x Broken container	Client did not "X" analysis.	Date/Time:
Broken container:	Chain of Custody is missing	Temp./Cont. Rec./pH:
Sufficient sample remains		Carrier:
		Tracking#

Login Comments:

Received 1 Blue top vial broken for MW-87

Client informed by:	Call	Email	Voice Mail	Date: 10/09/20	Time: 18:08
TSR Initials: CM	Client Contact:				

Login Instructions

Run from intact vials.



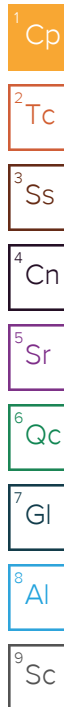
ANALYTICAL REPORT

February 03, 2021

Revised Report

TRC Solutions - Austin, TX

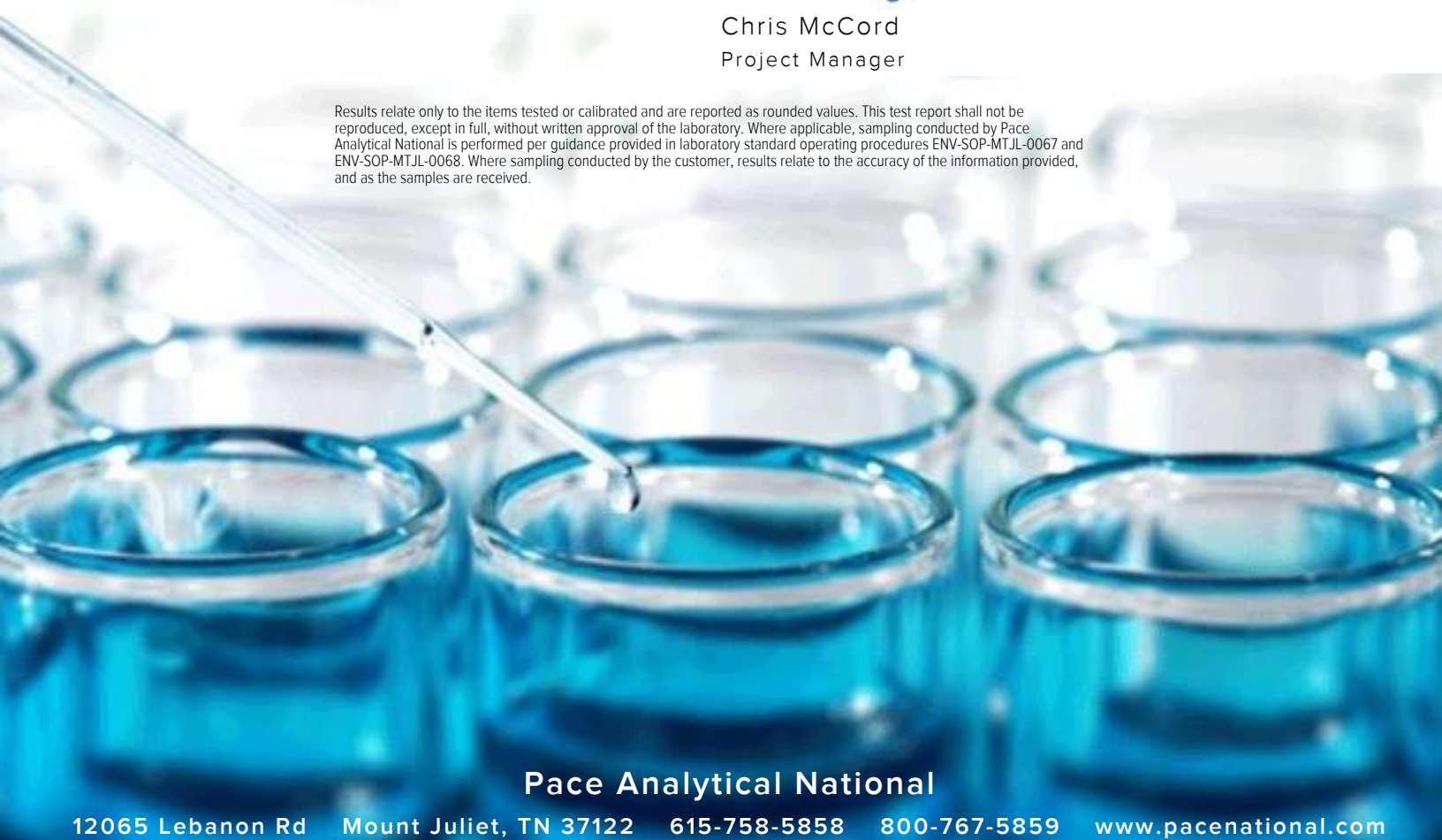
Sample Delivery Group: L1271301
Samples Received: 10/08/2020
Project Number: 330538.0000.0000
Description: REST Fall 2020
Site: REST - NAVAJO-ARTESIA
Report To: Julie Speer
505 E. Huntland Dr, Ste 250
Austin, TX 78752



Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	5	² Tc
Cn: Case Narrative	21	
Sr: Sample Results	22	³ Ss
MW-130 L1271301-01	22	
MW-52 L1271301-02	24	⁴ Cn
MW-109 L1271301-03	27	⁵ Sr
MW-110 L1271301-04	29	
MW-134 L1271301-05	31	⁶ Qc
MW-115 L1271301-06	33	
MW-114 L1271301-07	35	⁷ Gl
MW-117 L1271301-08	37	⁸ Al
MW-118 L1271301-09	39	
MW-119 L1271301-10	41	⁹ Sc
MW-136 L1271301-11	43	
MW-126A L1271301-12	46	
MW-126B L1271301-13	48	
KWB-1A L1271301-14	50	
MW-57 L1271301-15	52	
KWB-12A L1271301-16	54	
KWB-12B L1271301-17	57	
MW-104 L1271301-18	60	
MW-64 L1271301-19	62	
MW-102 L1271301-20	64	
MW-66 L1271301-21	66	
MW-28 L1271301-22	69	
MW-60 L1271301-23	72	
MW-125 L1271301-24	75	
MW-116 L1271301-25	77	
MW-101 L1271301-26	79	
MW-105 L1271301-27	81	
MW-61 L1271301-28	83	
MW-62 L1271301-29	85	
MW-23 L1271301-30	87	
MW-39 L1271301-31	89	
MW-98 L1271301-32	91	
MW-106 L1271301-33	93	
MW-50 L1271301-34	95	
MW-90 L1271301-35	97	

MW-96 L1271301-36	99
DUP-REST-02 L1271301-37	101
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229

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-130 L1271301-01 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 08:55

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:28	10/16/20 20:28	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 17:04	10/14/20 17:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/14/20 17:41	10/14/20 17:41	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:14	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 03:07	10/16/20 03:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 04:00	10/17/20 04:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 06:21	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-52 L1271301-02 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:40

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	10	10/16/20 20:52	10/16/20 20:52	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1560164	1	10/15/20 23:14	10/16/20 04:50	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 18:17	10/14/20 18:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/14/20 19:13	10/14/20 19:13	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:38	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:18	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:17	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 03:29	10/16/20 03:29	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 04:20	10/17/20 04:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 06:41	DMG	Mt. Juliet, TN

MW-109 L1271301-03 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:34	10/16/20 20:34	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 20:08	10/14/20 20:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	5	10/15/20 11:36	10/15/20 11:36	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:20	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1561681	10	10/19/20 22:56	10/19/20 22:56	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	10	10/17/20 07:02	10/17/20 07:02	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 07:02	DMG	Mt. Juliet, TN

MW-110 L1271301-04 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:36	10/16/20 20:36	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 20:45	10/14/20 20:45	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	5	10/15/20 11:50	10/15/20 11:50	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:23	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 23:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 03:51	10/16/20 03:51	BMB	Mt. Juliet, TN

MW-110 L1271301-04 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 04:41	10/17/20 04:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557910	1	10/14/20 07:17	10/15/20 07:22	DMG	Mt. Juliet, TN

MW-134 L1271301-05 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 16:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:37	10/16/20 20:37	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 21:22	10/14/20 21:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/14/20 21:40	10/14/20 21:40	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:43	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/15/20 00:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 04:13	10/16/20 04:13	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 19:54	10/16/20 19:54	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 07:08	TJD	Mt. Juliet, TN

MW-115 L1271301-06 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:15

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:38	10/16/20 20:38	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 21:59	10/14/20 21:59	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/14/20 22:17	10/14/20 22:17	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:46	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/15/20 00:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 04:35	10/16/20 04:35	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 05:01	10/17/20 05:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 06:44	TJD	Mt. Juliet, TN

MW-114 L1271301-07 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1558999	1	10/16/20 20:39	10/16/20 20:39	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 22:35	10/14/20 22:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/14/20 22:54	10/14/20 22:54	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:49	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/15/20 00:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 04:57	10/16/20 04:57	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 05:21	10/17/20 05:21	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 07:04	TJD	Mt. Juliet, TN

MW-117 L1271301-08 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:46	10/16/20 16:46	SDL	Mt. Juliet, TN

MW-117 L1271301-08 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1557663	1	10/14/20 23:49	10/14/20 23:49	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 00:08	10/15/20 00:08	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:53	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/15/20 00:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560012	1	10/16/20 05:19	10/16/20 05:19	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 20:14	10/16/20 20:14	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 07:28	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-118 L1271301-09 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:35

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:48	10/16/20 16:48	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 00:26	10/15/20 00:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 00:44	10/15/20 00:44	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/14/20 02:56	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556442	1	10/12/20 12:55	10/15/20 00:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560245	1	10/16/20 15:55	10/16/20 15:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 20:35	10/16/20 20:35	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 07:49	TJD	Mt. Juliet, TN

MW-119 L1271301-10 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:49	10/16/20 16:49	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 01:03	10/15/20 01:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 01:21	10/15/20 01:21	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/15/20 23:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560245	1	10/16/20 16:20	10/16/20 16:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 20:55	10/16/20 20:55	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 08:09	TJD	Mt. Juliet, TN

MW-136 L1271301-11 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	5	10/16/20 16:50	10/16/20 16:50	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1560164	1	10/15/20 23:14	10/16/20 04:51	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 01:40	10/15/20 01:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 01:58	10/15/20 01:58	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:40	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:21	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 01:50	10/16/20 01:50	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 21:15	10/16/20 21:15	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 08:29	TJD	Mt. Juliet, TN

MW-126A L1271301-12 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:51	10/16/20 16:51	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 02:17	10/15/20 02:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	50	10/15/20 02:35	10/15/20 02:35	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 02:11	10/16/20 02:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 21:36	10/16/20 21:36	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 08:49	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-126B L1271301-13 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:53	10/16/20 16:53	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 03:50	10/15/20 03:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 04:08	10/15/20 04:08	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 02:32	10/16/20 02:32	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 21:56	10/16/20 21:56	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 09:09	TJD	Mt. Juliet, TN

KWB-1A L1271301-14 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:54	10/16/20 16:54	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:30	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 04:27	10/15/20 04:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 04:45	10/15/20 04:45	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:42	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:24	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 22:16	10/16/20 22:16	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 09:29	TJD	Mt. Juliet, TN

MW-57 L1271301-15 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:55	10/16/20 16:55	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	10	10/15/20 05:04	10/15/20 05:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 05:22	10/15/20 05:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 02:52	10/16/20 02:52	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 22:36	10/16/20 22:36	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557497	1	10/13/20 08:37	10/16/20 09:49	TJD	Mt. Juliet, TN

KWB-12A L1271301-16 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:30

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558061	1	10/13/20 14:01	10/13/20 14:38	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	5	10/16/20 18:42	10/16/20 18:42	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:33	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 05:41	10/15/20 05:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 05:59	10/15/20 05:59	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:44	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:28	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 03:13	10/16/20 03:13	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 22:57	10/16/20 22:57	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/13/20 22:26	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

KWB-12B L1271301-17 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:15

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	5	10/16/20 18:12	10/16/20 18:12	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:35	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 07:13	10/15/20 07:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 06:17	10/15/20 06:17	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:46	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:31	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 03:34	10/16/20 03:34	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 23:17	10/16/20 23:17	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/13/20 22:52	DMG	Mt. Juliet, TN

MW-104 L1271301-18 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:14	10/16/20 18:14	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 07:31	10/15/20 07:31	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	10	10/15/20 12:03	10/15/20 12:03	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 03:54	10/16/20 03:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 23:37	10/16/20 23:37	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/13/20 23:17	DMG	Mt. Juliet, TN

MW-64 L1271301-19 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:26	10/16/20 16:26	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 08:08	10/15/20 08:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	10	10/15/20 08:45	10/15/20 08:45	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	100	10/16/20 08:02	10/16/20 08:02	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	500	10/17/20 07:22	10/17/20 07:22	BMB	Mt. Juliet, TN

MW-64 L1271301-19 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/13/20 23:43	DMG	Mt. Juliet, TN

MW-102 L1271301-20 GW

Collected by
Scott Ude / HMI
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Collected date/time
10/06/20 14:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:30	10/16/20 16:30	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	1	10/15/20 09:22	10/15/20 09:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557663	100	10/15/20 09:40	10/15/20 09:40	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	100	10/16/20 08:23	10/16/20 08:23	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	100	10/17/20 07:43	10/17/20 07:43	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	10	10/13/20 07:14	10/14/20 19:13	DMG	Mt. Juliet, TN

MW-66 L1271301-21 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 09:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 16:33	10/16/20 16:33	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:36	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/13/20 21:28	10/13/20 21:28	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	5	10/13/20 22:41	10/13/20 22:41	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:47	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:34	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:48	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 04:15	10/16/20 04:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	10	10/17/20 08:03	10/17/20 08:03	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 07:24	TJD	Mt. Juliet, TN

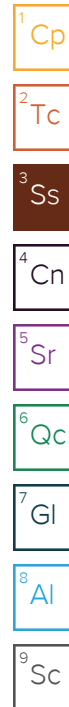
MW-28 L1271301-22 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 11:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:04	10/16/20 18:04	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:37	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/13/20 23:18	10/13/20 23:18	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	50	10/13/20 23:36	10/13/20 23:36	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:49	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:37	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 04:36	10/16/20 04:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	5	10/17/20 08:24	10/17/20 08:24	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 07:45	TJD	Mt. Juliet, TN



MW-60 L1271301-23 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:05	10/16/20 18:05	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	10	10/14/20 22:53	10/16/20 00:38	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 00:31	10/14/20 00:31	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 00:50	10/14/20 00:50	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:55	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:40	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 00:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 04:56	10/16/20 04:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 05:41	10/17/20 05:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 08:05	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-125 L1271301-24 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:07	10/16/20 18:07	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 01:08	10/14/20 01:08	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 01:27	10/14/20 01:27	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 05:17	10/16/20 05:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 06:01	10/17/20 06:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 08:25	TJD	Mt. Juliet, TN

MW-116 L1271301-25 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 10:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558086	1	10/14/20 01:24	10/14/20 02:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:09	10/16/20 18:09	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 01:47	10/14/20 01:47	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 02:05	10/14/20 02:05	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 05:37	10/16/20 05:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	1	10/17/20 06:22	10/17/20 06:22	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 08:45	TJD	Mt. Juliet, TN

MW-101 L1271301-26 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 09:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:10	10/16/20 18:10	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 02:23	10/14/20 02:23	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	5	10/14/20 02:42	10/14/20 02:42	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 05:58	10/16/20 05:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/16/20 23:57	10/16/20 23:57	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561145	50	10/18/20 11:08	10/18/20 11:08	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 02:42	DMG	Mt. Juliet, TN

MW-105 L1271301-27 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:15

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559000	1	10/16/20 18:11	10/16/20 18:11	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 03:00	10/14/20 03:00	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	5	10/14/20 03:19	10/14/20 03:19	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	50	10/16/20 07:21	10/16/20 07:21	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560699	50	10/17/20 08:44	10/17/20 08:44	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561144	500	10/18/20 15:01	10/18/20 15:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	2	10/13/20 07:14	10/14/20 00:34	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-61 L1271301-28 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 13:35

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:21	10/15/20 21:21	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 04:14	10/14/20 04:14	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	10	10/15/20 05:17	10/15/20 05:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 04:32	10/14/20 04:32	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	50	10/16/20 07:41	10/16/20 07:41	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	50	10/17/20 04:21	10/17/20 04:21	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/14/20 01:00	DMG	Mt. Juliet, TN

MW-62 L1271301-29 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 15:35

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:23	10/15/20 21:23	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 04:51	10/14/20 04:51	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	20	10/14/20 05:09	10/14/20 05:09	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556443	1	10/12/20 17:06	10/16/20 01:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	20	10/16/20 07:00	10/16/20 07:00	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	20	10/17/20 04:00	10/17/20 04:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	1	10/13/20 07:14	10/14/20 01:25	DMG	Mt. Juliet, TN

MW-23 L1271301-30 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 17:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:25	10/15/20 21:25	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 05:28	10/14/20 05:28	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	10	10/14/20 05:46	10/14/20 05:46	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:06	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	5	10/12/20 16:13	10/15/20 10:48	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	10	10/16/20 06:39	10/16/20 06:39	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	10	10/17/20 03:39	10/17/20 03:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557498	10	10/13/20 07:14	10/14/20 18:47	DMG	Mt. Juliet, TN

MW-39 L1271301-31 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 10:10

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:26	10/15/20 21:26	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 06:05	10/14/20 06:05	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	20	10/14/20 06:23	10/14/20 06:23	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:09	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560160	1	10/16/20 06:19	10/16/20 06:19	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/17/20 00:18	10/17/20 00:18	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561145	1	10/18/20 09:58	10/18/20 09:58	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 03:08	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-98 L1271301-32 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:05

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:27	10/15/20 21:27	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 06:42	10/14/20 06:42	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 07:00	10/14/20 07:00	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/15/20 05:35	10/15/20 05:35	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:12	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	20	10/16/20 21:48	10/16/20 21:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	50	10/17/20 04:41	10/17/20 04:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 16:40	DMG	Mt. Juliet, TN

MW-106 L1271301-33 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:28	10/15/20 21:28	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 07:55	10/14/20 07:55	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 08:14	10/14/20 08:14	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/15/20 05:53	10/15/20 05:53	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:16	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	100	10/16/20 23:03	10/16/20 23:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	200	10/17/20 05:22	10/17/20 05:22	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	5	10/13/20 08:38	10/14/20 20:30	DMG	Mt. Juliet, TN

MW-50 L1271301-34 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:25

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558062	1	10/13/20 17:20	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	50	10/15/20 22:00	10/15/20 22:00	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 08:32	10/14/20 08:32	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 08:51	10/14/20 08:51	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:19	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560700	1	10/17/20 00:38	10/17/20 00:38	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561145	1	10/18/20 10:21	10/18/20 10:21	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 08:39	DMG	Mt. Juliet, TN

MW-90 L1271301-35 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:45

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:36	10/15/20 21:36	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 09:09	10/14/20 09:09	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 09:27	10/14/20 09:27	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/15/20 06:11	10/15/20 06:11	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:22	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 18:51	10/16/20 18:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 01:36	10/17/20 01:36	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 03:59	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-96 L1271301-36 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 14:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:37	10/15/20 21:37	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 09:46	10/14/20 09:46	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	5	10/14/20 10:41	10/14/20 10:41	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:25	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	50	10/16/20 22:38	10/16/20 22:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	250	10/17/20 05:43	10/17/20 05:43	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 16:14	DMG	Mt. Juliet, TN

DUP-REST-02 L1271301-37 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 11:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:39	10/15/20 21:39	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 11:55	10/14/20 11:55	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	20	10/14/20 12:13	10/14/20 12:13	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:29	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 19:16	10/16/20 19:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 01:57	10/17/20 01:57	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 04:24	DMG	Mt. Juliet, TN

DUP-REST-03 L1271301-38 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:40	10/15/20 21:40	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	10	10/14/20 12:32	10/14/20 12:32	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 12:50	10/14/20 12:50	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:32	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 19:42	10/16/20 19:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 02:17	10/17/20 02:17	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 08:13	DMG	Mt. Juliet, TN

DUP-REST-04 L1271301-39 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/07/20 08:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:41	10/15/20 21:41	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	10	10/14/20 22:53	10/16/20 00:39	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	10	10/14/20 13:09	10/14/20 13:09	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 13:27	10/14/20 13:27	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:57	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:49	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:42	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 20:07	10/16/20 20:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560896	1	10/18/20 06:49	10/18/20 06:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 09:05	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

DUP-REST-05 L1271301-40 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 12:00

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	5	10/15/20 21:42	10/15/20 21:42	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:42	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	1	10/14/20 13:45	10/14/20 13:45	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557664	100	10/14/20 14:04	10/14/20 14:04	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 09:59	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:52	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:45	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 20:32	10/16/20 20:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 02:37	10/17/20 02:37	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 05:15	DMG	Mt. Juliet, TN

EB-REST-02 L1271301-41 GW

Collected by
Scott Ude / HMI
Team

Collected date/time
10/06/20 02:20

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:44	10/15/20 21:44	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 00:30	10/15/20 00:30	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:48	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 17:10	10/16/20 17:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 00:35	10/17/20 00:35	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 05:40	DMG	Mt. Juliet, TN

EB-REST-03 L1271301-42 GW

Collected by
Scott Ude / HMI
Team

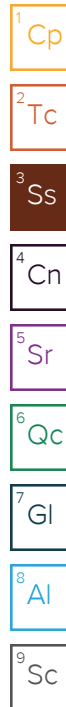
Collected date/time
10/06/20 06:50

Received date/time
10/08/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:45	10/15/20 21:45	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 00:48	10/15/20 00:48	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:51	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 17:35	10/16/20 17:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 00:55	10/17/20 00:55	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 06:06	DMG	Mt. Juliet, TN

EB-REST-04 L1271301-43 GW

				Collected by	Collected date/time	Received date/time
				Scott Ude / HMI Team	10/07/20 10:45	10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:50	10/15/20 21:50	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:43	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 01:06	10/15/20 01:06	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 10:01	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:55	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:55	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 18:01	10/16/20 18:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560896	1	10/18/20 04:21	10/18/20 04:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 09:25	TJD	Mt. Juliet, TN



EB-REST-05 L1271301-44 GW

				Collected by	Collected date/time	Received date/time
				Scott Ude / HMI Team	10/06/20 10:35	10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:51	10/15/20 21:51	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559474	1	10/14/20 22:53	10/16/20 00:44	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 02:00	10/15/20 02:00	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 10:03	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 21:57	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 04:58	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 18:26	10/16/20 18:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 01:16	10/17/20 01:16	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 06:31	DMG	Mt. Juliet, TN

TRIP BLANK-REST-01 L1271301-45 GW

				Collected by	Collected date/time	Received date/time
				Scott Ude / HMI Team	10/06/20 00:00	10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/16/20 23:07	10/16/20 23:07	BMB	Mt. Juliet, TN

TRIP BLANK-REST-02 L1271301-46 GW

				Collected by	Collected date/time	Received date/time
				Scott Ude / HMI Team	10/06/20 00:00	10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/16/20 23:28	10/16/20 23:28	BMB	Mt. Juliet, TN

TRIP BLANK-REST-03 L1271301-47 GW

				Collected by	Collected date/time	Received date/time
				Scott Ude / HMI Team	10/07/20 00:00	10/08/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560896	1	10/18/20 04:42	10/18/20 04:42	DWR	Mt. Juliet, TN

TRIP BLANK-REST-04 L1271301-48 GW

				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 00:00	Received date/time 10/08/20 09:00	1 Cp 2 Tc 3 Ss
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 00:14	10/17/20 00:14	BMB	Mt. Juliet, TN	

MW-43 L1271301-49 GW

				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 15:10	Received date/time 10/08/20 09:00	4 Cn 5 Sr 6 Qc
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN	
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:53	10/15/20 21:53	SDL	Mt. Juliet, TN	
Wet Chemistry by Method 4500CN E-2011	WG1559474	10	10/14/20 22:53	10/16/20 00:45	SDL	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 02:54	10/15/20 02:54	ELN	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	10	10/15/20 03:12	10/15/20 03:12	ELN	Mt. Juliet, TN	
Mercury by Method 7470A	WG1556621	1	10/12/20 23:41	10/13/20 10:05	ABL	Mt. Juliet, TN	
Metals (ICP) by Method 6010B	WG1556429	1	10/12/20 11:13	10/12/20 22:00	EL	Mt. Juliet, TN	
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 05:01	LAT	Mt. Juliet, TN	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	20	10/16/20 22:13	10/16/20 22:13	DWR	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	50	10/17/20 05:02	10/17/20 05:02	BMB	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561142	500	10/18/20 11:55	10/18/20 11:55	JHH	Mt. Juliet, TN	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 15:49	DMG	Mt. Juliet, TN	

MW-62R L1271301-50 GW

				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 16:20	Received date/time 10/08/20 09:00	7 Gl 8 Al 9 Sc
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN	
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:54	10/15/20 21:54	SDL	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 03:30	10/15/20 03:30	ELN	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	10	10/15/20 03:47	10/15/20 03:47	ELN	Mt. Juliet, TN	
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 05:05	LAT	Mt. Juliet, TN	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 20:57	10/16/20 20:57	DWR	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 02:58	10/17/20 02:58	BMB	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561142	50	10/18/20 11:32	10/18/20 11:32	JHH	Mt. Juliet, TN	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	10	10/13/20 08:38	10/14/20 19:38	DMG	Mt. Juliet, TN	

MW-139 L1271301-51 GW

				Collected by Scott Ude / HMI Team	Collected date/time 10/06/20 10:55	Received date/time 10/08/20 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	
Gravimetric Analysis by Method 2540 C-2011	WG1558063	1	10/13/20 14:42	10/13/20 17:56	VRP	Mt. Juliet, TN	
Wet Chemistry by Method 353.2	WG1559002	1	10/15/20 21:56	10/15/20 21:56	SDL	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	1	10/15/20 04:05	10/15/20 04:05	ELN	Mt. Juliet, TN	
Wet Chemistry by Method 9056A	WG1557662	100	10/15/20 04:23	10/15/20 04:23	ELN	Mt. Juliet, TN	
Metals (ICPMS) by Method 6020	WG1556445	1	10/12/20 16:13	10/15/20 05:08	LAT	Mt. Juliet, TN	
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560609	1	10/16/20 21:23	10/16/20 21:23	DWR	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560784	1	10/17/20 03:18	10/17/20 03:18	BMB	Mt. Juliet, TN	
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561142	1	10/18/20 10:45	10/18/20 10:45	JHH	Mt. Juliet, TN	
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 18:22	DMG	Mt. Juliet, TN	

MW-113 L1271301-52 GW

				Collected by	Collected date/time	Received date/time
					10/07/20 09:00	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558087	1	10/14/20 20:10	10/14/20 22:24	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:00	10/21/20 18:00	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 19:29	10/13/20 19:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	20	10/13/20 19:50	10/13/20 19:50	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	1	10/12/20 09:42	10/12/20 23:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 11:08	10/17/20 11:08	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	5	10/17/20 22:36	10/17/20 22:36	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 09:45	TJD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

KWB-8 L1271301-53 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 12:50	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	20	10/21/20 18:01	10/21/20 18:01	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559964	10	10/15/20 18:37	10/16/20 03:47	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 20:45	10/13/20 20:45	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	100	10/13/20 20:12	10/13/20 20:12	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557453	1	10/12/20 23:17	10/13/20 08:48	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1557841	1	10/13/20 11:00	10/13/20 14:28	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	1	10/12/20 09:42	10/12/20 23:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	200	10/17/20 22:56	10/17/20 22:56	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 17:31	DMG	Mt. Juliet, TN

RA-4798 L1271301-54 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 13:15	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:03	10/21/20 18:03	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 20:56	10/13/20 20:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	20	10/13/20 21:06	10/13/20 21:06	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1559507	1	10/15/20 21:39	10/16/20 20:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 18:28	10/17/20 18:28	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1572494	1	11/06/20 17:03	11/06/20 17:03	GLN	Mt. Juliet, TN

RA-4196 L1271301-55 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 13:30	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558091	1	10/13/20 19:30	10/13/20 21:36	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:05	10/21/20 18:05	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 21:28	10/13/20 21:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	20	10/13/20 21:39	10/13/20 21:39	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1559507	1	10/15/20 21:39	10/16/20 20:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 18:49	10/17/20 18:49	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1572494	1	11/06/20 17:23	11/06/20 17:23	GLN	Mt. Juliet, TN

KWB-7 L1271301-56 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 12:00	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558083	1	10/13/20 19:28	10/13/20 23:02	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:12	10/21/20 18:12	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559964	1	10/15/20 18:37	10/16/20 03:48	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 21:50	10/13/20 21:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	20	10/13/20 22:01	10/13/20 22:01	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557453	1	10/12/20 23:17	10/13/20 08:50	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1557841	1	10/13/20 11:00	10/13/20 14:36	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	5	10/12/20 09:42	10/13/20 00:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 19:09	10/17/20 19:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 14:32	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-135 L1271301-57 GW

				Collected by	Collected date/time	Received date/time
					10/07/20 10:30	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558087	1	10/14/20 20:10	10/14/20 22:24	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	5	10/21/20 18:14	10/21/20 18:14	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 22:12	10/13/20 22:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	100	10/13/20 22:22	10/13/20 22:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	5	10/12/20 09:42	10/13/20 00:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 11:33	10/17/20 11:33	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 19:30	10/17/20 19:30	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 10:06	TJD	Mt. Juliet, TN

KWB-11A L1271301-58 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 10:25	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:15	10/21/20 18:15	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559964	1	10/15/20 18:37	10/16/20 03:53	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 22:55	10/13/20 22:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	100	10/13/20 23:06	10/13/20 23:06	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557453	1	10/12/20 23:17	10/13/20 08:52	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1557841	1	10/13/20 11:00	10/13/20 14:39	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	1	10/12/20 09:42	10/12/20 21:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 11:59	10/17/20 11:59	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 19:50	10/17/20 19:50	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 14:58	DMG	Mt. Juliet, TN

KWB-11B L1271301-59 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 11:10	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558089	1	10/13/20 18:18	10/13/20 19:46	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:16	10/21/20 18:16	SDL	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1559964	1	10/15/20 18:37	10/16/20 03:54	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 23:17	10/13/20 23:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	100	10/13/20 23:28	10/13/20 23:28	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1557453	1	10/12/20 23:17	10/13/20 08:54	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1557841	1	10/13/20 11:00	10/13/20 14:43	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	5	10/12/20 09:42	10/13/20 00:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 12:25	10/17/20 12:25	BMB	Mt. Juliet, TN

KWB-11B L1271301-59 GW

				Collected by	Collected date/time	Received date/time
					10/06/20 11:10	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 20:11	10/17/20 20:11	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557908	1	10/13/20 08:38	10/14/20 15:23	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-29 L1271301-60 GW

				Collected by	Collected date/time	Received date/time
					10/07/20 09:25	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558087	1	10/14/20 20:10	10/14/20 22:24	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:17	10/21/20 18:17	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/13/20 23:38	10/13/20 23:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	100	10/13/20 23:49	10/13/20 23:49	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	1	10/12/20 09:42	10/12/20 17:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 12:51	10/17/20 12:51	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 20:32	10/17/20 20:32	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 10:26	TJD	Mt. Juliet, TN

DUP-REST-01 L1271301-61 GW

				Collected by	Collected date/time	Received date/time
					10/07/20 08:00	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558087	1	10/14/20 20:10	10/14/20 22:24	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:19	10/21/20 18:19	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/14/20 00:11	10/14/20 00:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	20	10/14/20 00:22	10/14/20 00:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	5	10/12/20 09:42	10/13/20 00:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 13:16	10/17/20 13:16	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1560897	1	10/17/20 20:52	10/17/20 20:52	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561763	10	10/19/20 21:37	10/19/20 21:37	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 10:46	TJD	Mt. Juliet, TN

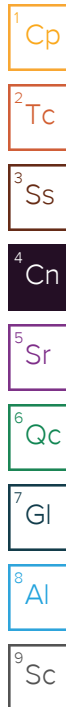
EB-REST-01 L1271301-62 GW

				Collected by	Collected date/time	Received date/time
					10/07/20 09:20	10/09/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1558087	1	10/14/20 20:10	10/14/20 22:24	VRP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1560789	1	10/21/20 18:20	10/21/20 18:20	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1558271	1	10/14/20 00:00	10/14/20 00:00	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1557632	1	10/12/20 09:42	10/13/20 00:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1560698	1	10/17/20 10:42	10/17/20 10:42	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1561357	1	10/19/20 03:36	10/19/20 03:36	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1557911	1	10/14/20 07:18	10/15/20 11:06	TJD	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Report Revision History

Level II Report - Version 1: 10/22/20 18:12
Level II Report - Version 2: 11/12/20 20:53
Level II Report - Version 3: 12/31/20 11:40

Project Narrative

Revised report to correct the Benzene result initially reported on samples RA-4798(-54) and RA-4196(-55). An out of hold reanalysis is now reporting due to carry-over contamination detected for Benzene in the first analysis. A re-sample of these two samples reported under L1283074 also confirms the Non-detect results for Benzene.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1271301-03	MW-109	3511/8015, 8015D/GRO
L1271301-20	MW-102	3511/8015
L1271301-30	MW-23	3511/8015
L1271301-31	MW-39	3511/8015
L1271301-33	MW-106	3511/8015, 8015D/GRO
L1271301-36	MW-96	3511/8015, 8015D/GRO
L1271301-49	MW-43	3511/8015, 8015D/GRO
L1271301-50	MW-62R	8015D/GRO
L1271301-53	KWB-8	3511/8015

Collected date/time: 10/07/20 08:55

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2430		3.75	13.3	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.959		0.0500	0.100	1	10/16/2020 20:28	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	188		37.9	100	100	10/14/2020 17:41	WG1557663
Fluoride	0.758		0.0640	0.150	1	10/14/2020 17:04	WG1557663
Sulfate	882		59.4	500	100	10/14/2020 17:41	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00374		0.000735	0.00200	1	10/14/2020 02:14	WG1556442
Barium	0.0173	J	0.00778	0.0200	1	10/14/2020 02:14	WG1556442
Calcium	242		0.480	1.00	1	10/14/2020 02:14	WG1556442
Chromium	0.00174	J	0.00149	0.00200	1	10/14/2020 02:14	WG1556442
Iron	0.0826	J	0.0489	0.100	1	10/14/2020 02:14	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:14	WG1556442
Manganese	0.101		0.00132	0.00500	1	10/14/2020 02:14	WG1556442
Potassium	0.648	J	0.534	2.00	1	10/14/2020 02:14	WG1556442
Selenium	0.00581		0.000657	0.00200	1	10/14/2020 02:14	WG1556442
Sodium	285		0.630	2.00	1	10/14/2020 23:38	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 03:07	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.6			78.0-120		10/16/2020 03:07	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 04:00	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 04:00	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 04:00	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 04:00	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 04:00	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 04:00	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 04:00	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 04:00	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 04:00	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 04:00	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 04:00	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 04:00	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 04:00	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 04:00	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 04:00	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 04:00	WG1560699

Collected date/time: 10/07/20 08:55

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 04:00	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 04:00	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 04:00	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 04:00	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 04:00	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 04:00	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 04:00	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 04:00	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 04:00	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 04:00	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 04:00	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 04:00	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 04:00	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 04:00	WG1560699
Methyl tert-butyl ether	0.00328		0.000101	0.00100	1	10/17/2020 04:00	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 04:00	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 04:00	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 04:00	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 04:00	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 04:00	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 04:00	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 04:00	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 04:00	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 04:00	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 04:00	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 04:00	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 04:00	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 04:00	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 04:00	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 04:00	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 04:00	WG1560699
(S) Toluene-d8	98.3			80.0-120		10/17/2020 04:00	WG1560699
(S) 4-Bromofluorobenzene	97.1			77.0-126		10/17/2020 04:00	WG1560699
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		10/17/2020 04:00	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.676		0.0247	0.100	1	10/15/2020 06:21	WG1557910
(S) o-Terphenyl	84.2			31.0-160		10/15/2020 06:21	WG1557910

Collected date/time: 10/07/20 09:40

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2720		3.75	13.3	1	10/13/2020 14:38	WG1558061

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	15.3	V	0.500	1.00	10	10/16/2020 20:52	WG1558999

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 04:50	WG1560164

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	195		37.9	100	100	10/14/2020 19:13	WG1557663
Fluoride	1.62		0.0640	0.150	1	10/14/2020 18:17	WG1557663
Sulfate	1110		59.4	500	100	10/14/2020 19:13	WG1557663

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:38	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.772		0.0254	0.200	1	10/12/2020 21:18	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00361		0.000735	0.00200	1	10/14/2020 02:17	WG1556442
Barium	0.0123	J	0.00778	0.0200	1	10/14/2020 02:17	WG1556442
Cadmium	U		0.000478	0.00100	1	10/14/2020 02:17	WG1556442
Calcium	223		0.480	1.00	1	10/14/2020 02:17	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:17	WG1556442
Cobalt	0.000636	J	0.000477	0.00200	1	10/14/2020 02:17	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:17	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:17	WG1556442
Manganese	0.0661		0.00132	0.00500	1	10/14/2020 02:17	WG1556442
Nickel	0.0304		0.000952	0.00200	1	10/14/2020 02:17	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:17	WG1556442
Selenium	0.00578		0.000657	0.00200	1	10/14/2020 02:17	WG1556442
Sodium	332		0.630	2.00	1	10/14/2020 23:41	WG1556442
Uranium	0.0125	J	0.00754	0.0200	1	10/14/2020 02:17	WG1556442
Vanadium	0.0240		0.000986	0.00500	1	10/14/2020 02:17	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 03:29	WG1560012

Collected date/time: 10/07/20 09:40

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/16/2020 03:29	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 04:20	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 04:20	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 04:20	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 04:20	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 04:20	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 04:20	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 04:20	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 04:20	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 04:20	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 04:20	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 04:20	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 04:20	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 04:20	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 04:20	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 04:20	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 04:20	WG1560699
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 04:20	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 04:20	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 04:20	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 04:20	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 04:20	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 04:20	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 04:20	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 04:20	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 04:20	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 04:20	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 04:20	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 04:20	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 04:20	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 04:20	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 04:20	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 04:20	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 04:20	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 04:20	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 04:20	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 04:20	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 04:20	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 04:20	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 04:20	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 04:20	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 04:20	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 04:20	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 04:20	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 04:20	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 04:20	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 04:20	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 04:20	WG1560699
(S) Toluene-d8	98.9			80.0-120		10/17/2020 04:20	WG1560699
(S) 4-Bromofluorobenzene	91.3			77.0-126		10/17/2020 04:20	WG1560699
(S) 1,2-Dichloroethane-d4	94.8			70.0-130		10/17/2020 04:20	WG1560699

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/07/20 09:40

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.282		0.0247	0.100	1	10/15/2020 06:41	WG1557910
(S) o-Terphenyl	82.6			31.0-160		10/15/2020 06:41	WG1557910

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 10/07/20 09:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1990		3.75	13.3	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:34	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	200		1.90	5.00	5	10/15/2020 11:36	WG1557663
Fluoride	1.86		0.0640	0.150	1	10/14/2020 20:08	WG1557663
Sulfate	376		2.97	25.0	5	10/15/2020 11:36	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00193	J	0.000735	0.00200	1	10/14/2020 02:20	WG1556442
Barium	0.0713		0.00778	0.0200	1	10/14/2020 02:20	WG1556442
Calcium	70.2		0.480	1.00	1	10/14/2020 02:20	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:20	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:20	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:20	WG1556442
Manganese	0.0544		0.00132	0.00500	1	10/14/2020 02:20	WG1556442
Potassium	0.700	J	0.534	2.00	1	10/14/2020 02:20	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:20	WG1556442
Sodium	430		0.630	2.00	1	10/14/2020 23:45	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.77		0.314	1.00	10	10/19/2020 22:56	WG1561681
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/19/2020 22:56	WG1561681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/17/2020 07:02	WG1560699
Benzene	1.11		0.000941	0.0100	10	10/17/2020 07:02	WG1560699
Bromodichloromethane	U		0.00136	0.0100	10	10/17/2020 07:02	WG1560699
Bromoform	U		0.00129	0.0100	10	10/17/2020 07:02	WG1560699
Bromomethane	U		0.00605	0.0500	10	10/17/2020 07:02	WG1560699
n-Butylbenzene	0.00220	J	0.00157	0.0100	10	10/17/2020 07:02	WG1560699
sec-Butylbenzene	0.00621	J	0.00125	0.0100	10	10/17/2020 07:02	WG1560699
Carbon disulfide	U		0.000962	0.0100	10	10/17/2020 07:02	WG1560699
Carbon tetrachloride	U		0.00128	0.0100	10	10/17/2020 07:02	WG1560699
Chlorobenzene	U		0.00116	0.0100	10	10/17/2020 07:02	WG1560699
Chlorodibromomethane	U		0.00140	0.0100	10	10/17/2020 07:02	WG1560699
Chloroethane	U		0.00192	0.0500	10	10/17/2020 07:02	WG1560699
Chloroform	U		0.00111	0.0500	10	10/17/2020 07:02	WG1560699
Chloromethane	U		0.00960	0.0250	10	10/17/2020 07:02	WG1560699
1,2-Dibromoethane	U		0.00126	0.0100	10	10/17/2020 07:02	WG1560699
1,1-Dichloroethane	U		0.00100	0.0100	10	10/17/2020 07:02	WG1560699

Collected date/time: 10/07/20 09:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000819	0.0100	10	10/17/2020 07:02	WG1560699
1,1-Dichloroethene	U		0.00188	0.0100	10	10/17/2020 07:02	WG1560699
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/17/2020 07:02	WG1560699
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/17/2020 07:02	WG1560699
1,2-Dichloropropane	U		0.00149	0.0100	10	10/17/2020 07:02	WG1560699
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/17/2020 07:02	WG1560699
trans-1,3-Dichloropropene	U	J4	0.00118	0.0100	10	10/17/2020 07:02	WG1560699
Ethylbenzene	0.00637	J	0.00137	0.0100	10	10/17/2020 07:02	WG1560699
Isopropylbenzene	0.0619		0.00105	0.0100	10	10/17/2020 07:02	WG1560699
p-Isopropyltoluene	U		0.00120	0.0100	10	10/17/2020 07:02	WG1560699
2-Butanone (MEK)	U		0.0119	0.100	10	10/17/2020 07:02	WG1560699
2-Hexanone	U		0.00787	0.100	10	10/17/2020 07:02	WG1560699
Methylene Chloride	U		0.00430	0.0500	10	10/17/2020 07:02	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/17/2020 07:02	WG1560699
Methyl tert-butyl ether	U		0.00101	0.0100	10	10/17/2020 07:02	WG1560699
Naphthalene	U		0.0100	0.0500	10	10/17/2020 07:02	WG1560699
n-Propylbenzene	0.0463		0.000993	0.0100	10	10/17/2020 07:02	WG1560699
Styrene	U		0.00118	0.0100	10	10/17/2020 07:02	WG1560699
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/17/2020 07:02	WG1560699
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/17/2020 07:02	WG1560699
Tetrachloroethene	U		0.00300	0.0100	10	10/17/2020 07:02	WG1560699
Toluene	0.0123		0.00278	0.0100	10	10/17/2020 07:02	WG1560699
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/17/2020 07:02	WG1560699
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/17/2020 07:02	WG1560699
Trichloroethene	U		0.00190	0.0100	10	10/17/2020 07:02	WG1560699
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/17/2020 07:02	WG1560699
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/17/2020 07:02	WG1560699
Vinyl chloride	U		0.00234	0.0100	10	10/17/2020 07:02	WG1560699
o-Xylene	U		0.00174	0.0100	10	10/17/2020 07:02	WG1560699
m&p-Xylene	0.0114	J	0.00430	0.0200	10	10/17/2020 07:02	WG1560699
Xylenes, Total	0.0114	J	0.00174	0.0300	10	10/17/2020 07:02	WG1560699
(S) Toluene-d8	104			80.0-120		10/17/2020 07:02	WG1560699
(S) 4-Bromofluorobenzene	98.8			77.0-126		10/17/2020 07:02	WG1560699
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		10/17/2020 07:02	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.33		0.0247	0.100	1	10/15/2020 07:02	WG1557910
(S) o-Terphenyl	112			31.0-160		10/15/2020 07:02	WG1557910

Collected date/time: 10/07/20 10:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1290		2.82	10.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 20:36	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	92.9		0.379	1.00	1	10/14/2020 20:45	WG1557663
Fluoride	1.32		0.0640	0.150	1	10/14/2020 20:45	WG1557663
Sulfate	401		2.97	25.0	5	10/15/2020 11:50	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0386		0.000735	0.00200	1	10/14/2020 02:23	WG1556442
Barium	0.0453		0.00778	0.0200	1	10/14/2020 02:23	WG1556442
Calcium	95.9		0.480	1.00	1	10/14/2020 02:23	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:23	WG1556442
Iron	0.995		0.0489	0.100	1	10/14/2020 02:23	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:23	WG1556442
Manganese	2.01		0.00132	0.00500	1	10/14/2020 02:23	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:23	WG1556442
Selenium	U		0.000657	0.00200	1	10/14/2020 02:23	WG1556442
Sodium	252		0.630	2.00	1	10/14/2020 23:48	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.406		0.0314	0.100	1	10/16/2020 03:51	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	93.8			78.0-120		10/16/2020 03:51	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 04:41	WG1560699
Benzene	0.000146	J	0.0000941	0.00100	1	10/17/2020 04:41	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 04:41	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 04:41	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 04:41	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 04:41	WG1560699
sec-Butylbenzene	0.00114		0.000125	0.00100	1	10/17/2020 04:41	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 04:41	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 04:41	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 04:41	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 04:41	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 04:41	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 04:41	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 04:41	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 04:41	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 04:41	WG1560699

Collected date/time: 10/07/20 10:00

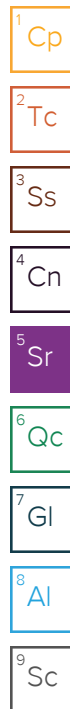
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 04:41	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 04:41	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 04:41	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 04:41	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 04:41	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 04:41	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 04:41	WG1560699
Ethylbenzene	0.000175	J	0.000137	0.00100	1	10/17/2020 04:41	WG1560699
Isopropylbenzene	0.00157		0.000105	0.00100	1	10/17/2020 04:41	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 04:41	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 04:41	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 04:41	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 04:41	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 04:41	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 04:41	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 04:41	WG1560699
n-Propylbenzene	0.000270	J	0.0000993	0.00100	1	10/17/2020 04:41	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 04:41	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 04:41	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 04:41	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 04:41	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 04:41	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 04:41	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 04:41	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 04:41	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 04:41	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 04:41	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 04:41	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 04:41	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 04:41	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 04:41	WG1560699
(S) Toluene-d8	104			80.0-120		10/17/2020 04:41	WG1560699
(S) 4-Bromofluorobenzene	108			77.0-126		10/17/2020 04:41	WG1560699
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		10/17/2020 04:41	WG1560699

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.721		0.0247	0.100	1	10/15/2020 07:22	WG1557910
(S) o-Terphenyl	94.2			31.0-160		10/15/2020 07:22	WG1557910



Collected date/time: 10/06/20 16:30

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4950		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.37		0.0500	0.100	1	10/16/2020 20:37	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	349		37.9	100	100	10/14/2020 21:40	WG1557663
Fluoride	1.01		0.0640	0.150	1	10/14/2020 21:22	WG1557663
Sulfate	2700		59.4	500	100	10/14/2020 21:40	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00362		0.000735	0.00200	1	10/14/2020 02:43	WG1556442
Barium	0.0101	J	0.00778	0.0200	1	10/14/2020 02:43	WG1556442
Calcium	501		0.480	1.00	1	10/14/2020 02:43	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:43	WG1556442
Iron	0.0916	J	0.0489	0.100	1	10/14/2020 02:43	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:43	WG1556442
Manganese	0.0370		0.00132	0.00500	1	10/14/2020 02:43	WG1556442
Potassium	1.67	J	0.534	2.00	1	10/14/2020 02:43	WG1556442
Selenium	0.00592		0.000657	0.00200	1	10/14/2020 02:43	WG1556442
Sodium	243		0.630	2.00	1	10/15/2020 00:04	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 04:13	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		10/16/2020 04:13	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 19:54	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 19:54	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 19:54	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 19:54	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 19:54	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 19:54	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 19:54	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 19:54	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 19:54	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 19:54	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 19:54	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 19:54	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 19:54	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 19:54	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 19:54	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 19:54	WG1560700

Collected date/time: 10/06/20 16:30

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 19:54	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 19:54	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 19:54	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 19:54	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 19:54	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 19:54	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 19:54	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 19:54	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 19:54	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 19:54	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 19:54	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 19:54	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 19:54	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 19:54	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 19:54	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 19:54	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 19:54	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 19:54	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 19:54	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 19:54	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 19:54	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 19:54	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 19:54	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 19:54	WG1560700
Trichloroethene	U	<u>J4</u>	0.000190	0.00100	1	10/16/2020 19:54	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 19:54	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 19:54	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 19:54	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 19:54	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 19:54	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 19:54	WG1560700
(S) Toluene-d8	102			80.0-120		10/16/2020 19:54	WG1560700
(S) 4-Bromofluorobenzene	97.5			77.0-126		10/16/2020 19:54	WG1560700
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		10/16/2020 19:54	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.107	<u>B</u>	0.0247	0.100	1	10/16/2020 07:08	WG1557497
(S) o-Terphenyl	71.1			31.0-160		10/16/2020 07:08	WG1557497

Collected date/time: 10/07/20 09:15

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4590		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.99		0.0500	0.100	1	10/16/2020 20:38	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	406		37.9	100	100	10/14/2020 22:17	WG1557663
Fluoride	1.73		0.0640	0.150	1	10/14/2020 21:59	WG1557663
Sulfate	2350		59.4	500	100	10/14/2020 22:17	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00435		0.000735	0.00200	1	10/14/2020 02:46	WG1556442
Barium	0.0112	J	0.00778	0.0200	1	10/14/2020 02:46	WG1556442
Calcium	467		0.480	1.00	1	10/14/2020 02:46	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:46	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:46	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:46	WG1556442
Manganese	0.0983		0.00132	0.00500	1	10/14/2020 02:46	WG1556442
Potassium	U		0.534	2.00	1	10/14/2020 02:46	WG1556442
Selenium	0.00844		0.000657	0.00200	1	10/14/2020 02:46	WG1556442
Sodium	179		0.630	2.00	1	10/15/2020 00:07	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 04:35	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/16/2020 04:35	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:01	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 05:01	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:01	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:01	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:01	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:01	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 05:01	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:01	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 05:01	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:01	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:01	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:01	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:01	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:01	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:01	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:01	WG1560699

Collected date/time: 10/07/20 09:15

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:01	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:01	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:01	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:01	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:01	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:01	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 05:01	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 05:01	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 05:01	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:01	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:01	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:01	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:01	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:01	WG1560699
Methyl tert-butyl ether	0.00364		0.000101	0.00100	1	10/17/2020 05:01	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 05:01	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 05:01	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 05:01	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:01	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:01	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:01	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 05:01	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 05:01	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:01	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:01	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:01	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:01	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:01	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:01	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 05:01	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 05:01	WG1560699
(S) Toluene-d8	102			80.0-120		10/17/2020 05:01	WG1560699
(S) 4-Bromofluorobenzene	97.2			77.0-126		10/17/2020 05:01	WG1560699
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		10/17/2020 05:01	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.222	B	0.0247	0.100	1	10/15/2020 06:44	WG1557911
(S) o-Terphenyl	91.6			31.0-160		10/15/2020 06:44	WG1557911

Collected date/time: 10/07/20 10:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3300		5.64	20.0	1	10/14/2020 02:47	WG1558086

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.110		0.0500	0.100	1	10/16/2020 20:39	WG1558999

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	233		37.9	100	100	10/14/2020 22:54	WG1557663
Fluoride	2.07		0.0640	0.150	1	10/14/2020 22:35	WG1557663
Sulfate	1590		59.4	500	100	10/14/2020 22:54	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00400		0.000735	0.00200	1	10/14/2020 02:49	WG1556442
Barium	0.0131	J	0.00778	0.0200	1	10/14/2020 02:49	WG1556442
Calcium	528		0.480	1.00	1	10/14/2020 02:49	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:49	WG1556442
Iron	U		0.0489	0.100	1	10/14/2020 02:49	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:49	WG1556442
Manganese	0.925		0.00132	0.00500	1	10/14/2020 02:49	WG1556442
Potassium	2.37		0.534	2.00	1	10/14/2020 02:49	WG1556442
Selenium	0.00293		0.000657	0.00200	1	10/14/2020 02:49	WG1556442
Sodium	119		0.630	2.00	1	10/15/2020 00:10	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 04:57	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		10/16/2020 04:57	WG1560012

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:21	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 05:21	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:21	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:21	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:21	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:21	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 05:21	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:21	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 05:21	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:21	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:21	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:21	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:21	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:21	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:21	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:21	WG1560699

Collected date/time: 10/07/20 10:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:21	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:21	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:21	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:21	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:21	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:21	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 05:21	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 05:21	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 05:21	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:21	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:21	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:21	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:21	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:21	WG1560699
Methyl tert-butyl ether	0.0112		0.000101	0.00100	1	10/17/2020 05:21	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 05:21	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 05:21	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 05:21	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:21	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:21	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:21	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 05:21	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 05:21	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:21	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:21	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:21	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:21	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:21	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:21	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 05:21	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 05:21	WG1560699
(S) Toluene-d8	103			80.0-120		10/17/2020 05:21	WG1560699
(S) 4-Bromofluorobenzene	97.2			77.0-126		10/17/2020 05:21	WG1560699
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		10/17/2020 05:21	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.663		0.0247	0.100	1	10/15/2020 07:04	WG1557911
(S) o-Terphenyl	91.6			31.0-160		10/15/2020 07:04	WG1557911

Collected date/time: 10/06/20 14:20

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3870	J3	5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	4.05		0.0500	0.100	1	10/16/2020 16:46	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	271		37.9	100	100	10/15/2020 00:08	WG1557663
Fluoride	3.25		0.0640	0.150	1	10/14/2020 23:49	WG1557663
Sulfate	2030		59.4	500	100	10/15/2020 00:08	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00255		0.000735	0.00200	1	10/14/2020 02:53	WG1556442
Barium	0.0110	J	0.00778	0.0200	1	10/14/2020 02:53	WG1556442
Calcium	587		0.480	1.00	1	10/14/2020 02:53	WG1556442
Chromium	U		0.00149	0.00200	1	10/14/2020 02:53	WG1556442
Iron	0.132		0.0489	0.100	1	10/14/2020 02:53	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:53	WG1556442
Manganese	0.00353	J	0.00132	0.00500	1	10/14/2020 02:53	WG1556442
Potassium	6.68		0.534	2.00	1	10/14/2020 02:53	WG1556442
Selenium	0.0123		0.000657	0.00200	1	10/14/2020 02:53	WG1556442
Sodium	133		0.630	2.00	1	10/15/2020 00:14	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 05:19	WG1560012
(S) a,a,a-Trifluorotoluene(FID)	95.4			78.0-120		10/16/2020 05:19	WG1560012

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 20:14	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 20:14	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 20:14	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 20:14	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 20:14	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 20:14	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 20:14	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 20:14	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 20:14	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 20:14	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 20:14	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 20:14	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 20:14	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 20:14	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 20:14	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 20:14	WG1560700

Collected date/time: 10/06/20 14:20

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 20:14	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 20:14	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 20:14	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 20:14	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 20:14	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 20:14	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 20:14	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 20:14	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 20:14	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 20:14	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 20:14	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 20:14	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 20:14	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 20:14	WG1560700
Methyl tert-butyl ether	0.00195		0.000101	0.00100	1	10/16/2020 20:14	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 20:14	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 20:14	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 20:14	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 20:14	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 20:14	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 20:14	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 20:14	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 20:14	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 20:14	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 20:14	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 20:14	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 20:14	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 20:14	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 20:14	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 20:14	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 20:14	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 20:14	WG1560700
(S) 4-Bromofluorobenzene	98.9			77.0-126		10/16/2020 20:14	WG1560700
(S) 1,2-Dichloroethane-d4	95.8			70.0-130		10/16/2020 20:14	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0997	B J	0.0247	0.100	1	10/16/2020 07:28	WG1557497
(S) o-Terphenyl	64.2			31.0-160		10/16/2020 07:28	WG1557497

Collected date/time: 10/06/20 13:35

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4640		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.03		0.0500	0.100	1	10/16/2020 16:48	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	262		37.9	100	100	10/15/2020 00:44	WG1557663
Fluoride	5.06		0.0640	0.150	1	10/15/2020 00:26	WG1557663
Sulfate	2600		59.4	500	100	10/15/2020 00:44	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00770		0.000735	0.00200	1	10/14/2020 02:56	WG1556442
Barium	0.0149	J	0.00778	0.0200	1	10/14/2020 02:56	WG1556442
Calcium	558		0.480	1.00	1	10/14/2020 02:56	WG1556442
Chromium	0.00230		0.00149	0.00200	1	10/14/2020 02:56	WG1556442
Iron	0.249		0.0489	0.100	1	10/14/2020 02:56	WG1556442
Lead	U		0.00249	0.00500	1	10/14/2020 02:56	WG1556442
Manganese	0.00273	J	0.00132	0.00500	1	10/14/2020 02:56	WG1556442
Potassium	3.07		0.534	2.00	1	10/14/2020 02:56	WG1556442
Selenium	0.0126		0.000657	0.00200	1	10/14/2020 02:56	WG1556442
Sodium	178		0.630	2.00	1	10/15/2020 00:17	WG1556442

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 15:55	WG1560245
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120		10/16/2020 15:55	WG1560245

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 20:35	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 20:35	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 20:35	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 20:35	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 20:35	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 20:35	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 20:35	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 20:35	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 20:35	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 20:35	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 20:35	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 20:35	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 20:35	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 20:35	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 20:35	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 20:35	WG1560700

Collected date/time: 10/06/20 13:35

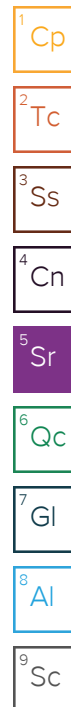
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 20:35	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 20:35	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 20:35	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 20:35	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 20:35	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 20:35	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 20:35	WG1560700
Ethylbenzene	0.000149	J	0.000137	0.00100	1	10/16/2020 20:35	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 20:35	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 20:35	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 20:35	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 20:35	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 20:35	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 20:35	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 20:35	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 20:35	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 20:35	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 20:35	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 20:35	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 20:35	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 20:35	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 20:35	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 20:35	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 20:35	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 20:35	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 20:35	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 20:35	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 20:35	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 20:35	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 20:35	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 20:35	WG1560700
(S) Toluene-d8	102			80.0-120		10/16/2020 20:35	WG1560700
(S) 4-Bromofluorobenzene	96.1			77.0-126		10/16/2020 20:35	WG1560700
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		10/16/2020 20:35	WG1560700

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0817	B J	0.0247	0.100	1	10/16/2020 07:49	WG1557497
(S) o-Terphenyl	72.6			31.0-160		10/16/2020 07:49	WG1557497



Collected date/time: 10/06/20 09:20

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4420		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.106		0.0500	0.100	1	10/16/2020 16:49	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	298		37.9	100	100	10/15/2020 01:21	WG1557663
Fluoride	1.39		0.0640	0.150	1	10/15/2020 01:03	WG1557663
Sulfate	2490		59.4	500	100	10/15/2020 01:21	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00451		0.000735	0.00200	1	10/15/2020 23:46	WG1556443
Barium	0.0101	J	0.00778	0.0200	1	10/15/2020 23:46	WG1556443
Calcium	641		0.480	1.00	1	10/15/2020 23:46	WG1556443
Chromium	0.00163	J	0.00149	0.00200	1	10/15/2020 23:46	WG1556443
Iron	0.0836	J	0.0489	0.100	1	10/15/2020 23:46	WG1556443
Lead	U		0.00249	0.00500	1	10/15/2020 23:46	WG1556443
Manganese	0.0114	B	0.00132	0.00500	1	10/15/2020 23:46	WG1556443
Potassium	0.832	J	0.534	2.00	1	10/15/2020 23:46	WG1556443
Selenium	0.00422		0.000657	0.00200	1	10/15/2020 23:46	WG1556443
Sodium	200	V	0.630	2.00	1	10/15/2020 23:46	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 16:20	WG1560245
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		10/16/2020 16:20	WG1560245

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 20:55	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 20:55	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 20:55	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 20:55	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 20:55	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 20:55	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 20:55	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 20:55	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 20:55	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 20:55	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 20:55	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 20:55	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 20:55	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 20:55	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 20:55	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 20:55	WG1560700

Collected date/time: 10/06/20 09:20

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 20:55	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 20:55	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 20:55	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 20:55	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 20:55	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 20:55	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 20:55	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 20:55	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 20:55	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 20:55	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 20:55	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 20:55	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 20:55	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 20:55	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 20:55	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 20:55	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 20:55	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 20:55	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 20:55	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 20:55	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 20:55	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 20:55	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 20:55	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 20:55	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 20:55	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 20:55	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 20:55	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 20:55	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 20:55	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 20:55	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 20:55	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 20:55	WG1560700
(S) 4-Bromofluorobenzene	93.3			77.0-126		10/16/2020 20:55	WG1560700
(S) 1,2-Dichloroethane-d4	93.2			70.0-130		10/16/2020 20:55	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.215	B	0.0247	0.100	1	10/16/2020 08:09	WG1557497
(S) o-Terphenyl	64.2			31.0-160		10/16/2020 08:09	WG1557497

Collected date/time: 10/06/20 12:20

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4180		3.75	13.3	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	14.4		0.250	0.500	5	10/16/2020 16:50	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 04:51	WG1560164

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	290		37.9	100	100	10/15/2020 01:58	WG1557663
Fluoride	1.54		0.0640	0.150	1	10/15/2020 01:40	WG1557663
Sulfate	2150		59.4	500	100	10/15/2020 01:58	WG1557663

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:40	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.556		0.0254	0.200	1	10/12/2020 21:21	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00247		0.000735	0.00200	1	10/16/2020 00:01	WG1556443
Barium	0.0123	J	0.00778	0.0200	1	10/16/2020 00:01	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:01	WG1556443
Calcium	640		0.480	1.00	1	10/16/2020 00:01	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:01	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:01	WG1556443
Iron	0.0705	J	0.0489	0.100	1	10/16/2020 00:01	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:01	WG1556443
Manganese	0.0123	B	0.00132	0.00500	1	10/16/2020 00:01	WG1556443
Nickel	0.00248		0.000952	0.00200	1	10/16/2020 00:01	WG1556443
Potassium	2.55		0.534	2.00	1	10/16/2020 00:01	WG1556443
Selenium	0.00553		0.000657	0.00200	1	10/16/2020 00:01	WG1556443
Sodium	148		0.630	2.00	1	10/16/2020 00:01	WG1556443
Uranium	0.0558		0.00754	0.0200	1	10/16/2020 00:01	WG1556443
Vanadium	0.0158		0.000986	0.00500	1	10/16/2020 00:01	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0320	J	0.0314	0.100	1	10/16/2020 01:50	WG1560160

Collected date/time: 10/06/20 12:20

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		10/16/2020 01:50	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 21:15	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 21:15	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 21:15	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 21:15	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 21:15	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 21:15	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 21:15	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 21:15	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 21:15	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 21:15	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 21:15	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 21:15	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 21:15	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 21:15	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 21:15	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 21:15	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 21:15	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 21:15	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 21:15	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 21:15	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 21:15	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 21:15	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 21:15	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 21:15	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 21:15	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 21:15	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 21:15	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 21:15	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 21:15	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 21:15	WG1560700
Methyl tert-butyl ether	0.000122	J	0.000101	0.00100	1	10/16/2020 21:15	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 21:15	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 21:15	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 21:15	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 21:15	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 21:15	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 21:15	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 21:15	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 21:15	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 21:15	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 21:15	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 21:15	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 21:15	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 21:15	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 21:15	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 21:15	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 21:15	WG1560700
(S) Toluene-d8	104			80.0-120		10/16/2020 21:15	WG1560700
(S) 4-Bromofluorobenzene	96.2			77.0-126		10/16/2020 21:15	WG1560700
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		10/16/2020 21:15	WG1560700

Collected date/time: 10/06/20 12:20

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0873	<u>BJ</u>	0.0247	0.100	1	10/16/2020 08:29	WG1557497
(S) o-Terphenyl	63.7			31.0-160		10/16/2020 08:29	WG1557497

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 10/06/20 10:10

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3150		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 16:51	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	210		19.0	50.0	50	10/15/2020 02:35	WG1557663
Fluoride	0.706		0.0640	0.150	1	10/15/2020 02:17	WG1557663
Sulfate	1510		29.7	250	50	10/15/2020 02:35	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00225		0.000735	0.00200	1	10/16/2020 00:05	WG1556443
Barium	0.0158	J	0.00778	0.0200	1	10/16/2020 00:05	WG1556443
Calcium	396		0.480	1.00	1	10/16/2020 00:05	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:05	WG1556443
Iron	1.78		0.0489	0.100	1	10/16/2020 00:05	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:05	WG1556443
Manganese	0.707		0.00132	0.00500	1	10/16/2020 00:05	WG1556443
Potassium	U		0.534	2.00	1	10/16/2020 00:05	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:05	WG1556443
Sodium	189		0.630	2.00	1	10/16/2020 00:05	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0669	J	0.0314	0.100	1	10/16/2020 02:11	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	97.5			78.0-120		10/16/2020 02:11	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 21:36	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 21:36	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 21:36	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 21:36	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 21:36	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 21:36	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 21:36	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 21:36	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 21:36	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 21:36	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 21:36	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 21:36	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 21:36	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 21:36	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 21:36	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 21:36	WG1560700

Collected date/time: 10/06/20 10:10

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 21:36	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 21:36	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 21:36	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 21:36	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 21:36	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 21:36	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 21:36	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 21:36	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 21:36	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 21:36	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 21:36	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 21:36	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 21:36	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 21:36	WG1560700
Methyl tert-butyl ether	0.000502	J	0.000101	0.00100	1	10/16/2020 21:36	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 21:36	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 21:36	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 21:36	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 21:36	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 21:36	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 21:36	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 21:36	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 21:36	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 21:36	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 21:36	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 21:36	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 21:36	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 21:36	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 21:36	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 21:36	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 21:36	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 21:36	WG1560700
(S) 4-Bromofluorobenzene	96.6			77.0-126		10/16/2020 21:36	WG1560700
(S) 1,2-Dichloroethane-d4	95.2			70.0-130		10/16/2020 21:36	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.451	B	0.0247	0.100	1	10/16/2020 08:49	WG1557497
(S) o-Terphenyl	92.6			31.0-160		10/16/2020 08:49	WG1557497

Collected date/time: 10/06/20 10:50

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3990		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.429		0.0500	0.100	1	10/16/2020 16:53	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	256		37.9	100	100	10/15/2020 04:08	WG1557663
Fluoride	0.705		0.0640	0.150	1	10/15/2020 03:50	WG1557663
Sulfate	2140		59.4	500	100	10/15/2020 04:08	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00367		0.000735	0.00200	1	10/16/2020 00:09	WG1556443
Barium	0.00961	J	0.00778	0.0200	1	10/16/2020 00:09	WG1556443
Calcium	562		0.480	1.00	1	10/16/2020 00:09	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:09	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 00:09	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:09	WG1556443
Manganese	0.0481		0.00132	0.00500	1	10/16/2020 00:09	WG1556443
Potassium	2.36		0.534	2.00	1	10/16/2020 00:09	WG1556443
Selenium	0.00364		0.000657	0.00200	1	10/16/2020 00:09	WG1556443
Sodium	195		0.630	2.00	1	10/16/2020 00:09	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0343	J	0.0314	0.100	1	10/16/2020 02:32	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	92.0			78.0-120		10/16/2020 02:32	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 21:56	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 21:56	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 21:56	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 21:56	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 21:56	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 21:56	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 21:56	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 21:56	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 21:56	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 21:56	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 21:56	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 21:56	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 21:56	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 21:56	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 21:56	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 21:56	WG1560700

Collected date/time: 10/06/20 10:50

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 21:56	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 21:56	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 21:56	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 21:56	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 21:56	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 21:56	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 21:56	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 21:56	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 21:56	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 21:56	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 21:56	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 21:56	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 21:56	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 21:56	WG1560700
Methyl tert-butyl ether	0.000114	J	0.000101	0.00100	1	10/16/2020 21:56	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 21:56	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 21:56	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 21:56	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 21:56	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 21:56	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 21:56	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 21:56	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 21:56	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 21:56	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 21:56	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 21:56	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 21:56	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 21:56	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 21:56	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 21:56	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 21:56	WG1560700
(S) Toluene-d8	101			80.0-120		10/16/2020 21:56	WG1560700
(S) 4-Bromofluorobenzene	96.4			77.0-126		10/16/2020 21:56	WG1560700
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		10/16/2020 21:56	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.312	B	0.0247	0.100	1	10/16/2020 09:09	WG1557497
(S) o-Terphenyl	80.5			31.0-160		10/16/2020 09:09	WG1557497

Collected date/time: 10/06/20 13:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4320		5.64	20.0	1	10/13/2020 14:38	WG1558061

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0862	J	0.0500	0.100	1	10/16/2020 16:54	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:30	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	266		37.9	100	100	10/15/2020 04:45	WG1557663
Fluoride	1.33		0.0640	0.150	1	10/15/2020 04:27	WG1557663
Sulfate	2430		59.4	500	100	10/15/2020 04:45	WG1557663

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:42	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.712		0.0254	0.200	1	10/12/2020 21:24	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00378		0.000735	0.00200	1	10/16/2020 00:21	WG1556443
Barium	0.00798	J	0.00778	0.0200	1	10/16/2020 00:21	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:21	WG1556443
Calcium	476		0.480	1.00	1	10/16/2020 00:21	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:21	WG1556443
Cobalt	0.00550		0.000477	0.00200	1	10/16/2020 00:21	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 00:21	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:21	WG1556443
Manganese	0.399		0.00132	0.00500	1	10/16/2020 00:21	WG1556443
Nickel	0.00769		0.000952	0.00200	1	10/16/2020 00:21	WG1556443
Potassium	0.994	J	0.534	2.00	1	10/16/2020 00:21	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:21	WG1556443
Sodium	245		0.630	2.00	1	10/16/2020 00:21	WG1556443
Uranium	0.0128	J	0.00754	0.0200	1	10/16/2020 00:21	WG1556443
Vanadium	0.0236		0.000986	0.00500	1	10/16/2020 00:21	WG1556443

Collected date/time: 10/06/20 13:25

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 22:16	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 22:16	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 22:16	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 22:16	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 22:16	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 22:16	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 22:16	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 22:16	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 22:16	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 22:16	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 22:16	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 22:16	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 22:16	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 22:16	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 22:16	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 22:16	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 22:16	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 22:16	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 22:16	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 22:16	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 22:16	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 22:16	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 22:16	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 22:16	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 22:16	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 22:16	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 22:16	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 22:16	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 22:16	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 22:16	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 22:16	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 22:16	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 22:16	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 22:16	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 22:16	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 22:16	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 22:16	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 22:16	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 22:16	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 22:16	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 22:16	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 22:16	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 22:16	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 22:16	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 22:16	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 22:16	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 22:16	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 22:16	WG1560700
(S) 4-Bromofluorobenzene	99.0			77.0-126		10/16/2020 22:16	WG1560700
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		10/16/2020 22:16	WG1560700

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0960	B J	0.0247	0.100	1	10/16/2020 09:29	WG1557497
(S) o-Terphenyl	67.4			31.0-160		10/16/2020 09:29	WG1557497

Collected date/time: 10/06/20 11:30

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4040		5.64	20.0	1	10/13/2020 14:38	WG1558061

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	4.83		0.0500	0.100	1	10/16/2020 16:55	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	135		3.79	10.0	10	10/15/2020 05:04	WG1557663
Fluoride	1.99		0.640	1.50	10	10/15/2020 05:04	WG1557663
Sulfate	2140		59.4	500	100	10/15/2020 05:22	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0157		0.000735	0.00200	1	10/16/2020 00:25	WG1556443
Barium	0.136		0.00778	0.0200	1	10/16/2020 00:25	WG1556443
Calcium	529		0.480	1.00	1	10/16/2020 00:25	WG1556443
Chromium	0.00879		0.00149	0.00200	1	10/16/2020 00:25	WG1556443
Iron	6.56		0.0489	0.100	1	10/16/2020 00:25	WG1556443
Lead	0.0100		0.00249	0.00500	1	10/16/2020 00:25	WG1556443
Manganese	0.333		0.00132	0.00500	1	10/16/2020 00:25	WG1556443
Potassium	2.97		0.534	2.00	1	10/16/2020 00:25	WG1556443
Selenium	0.0120		0.000657	0.00200	1	10/16/2020 00:25	WG1556443
Sodium	287		0.630	2.00	1	10/16/2020 00:25	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0579	J	0.0314	0.100	1	10/16/2020 02:52	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	94.0			78.0-120		10/16/2020 02:52	WG1560160

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

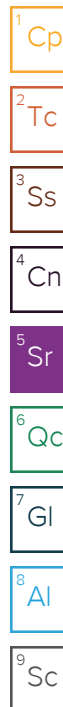
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 22:36	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 22:36	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 22:36	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 22:36	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 22:36	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 22:36	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 22:36	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 22:36	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 22:36	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 22:36	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 22:36	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 22:36	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 22:36	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 22:36	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 22:36	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 22:36	WG1560700

Collected date/time: 10/06/20 11:30

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 22:36	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 22:36	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 22:36	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 22:36	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 22:36	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 22:36	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 22:36	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 22:36	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 22:36	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 22:36	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 22:36	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 22:36	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 22:36	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 22:36	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 22:36	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 22:36	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 22:36	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 22:36	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 22:36	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 22:36	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 22:36	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 22:36	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 22:36	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 22:36	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 22:36	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 22:36	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 22:36	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 22:36	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 22:36	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 22:36	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 22:36	WG1560700
(S) Toluene-d8	104			80.0-120		10/16/2020 22:36	WG1560700
(S) 4-Bromofluorobenzene	96.5			77.0-126		10/16/2020 22:36	WG1560700
(S) 1,2-Dichloroethane-d4	96.2			70.0-130		10/16/2020 22:36	WG1560700



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0475	B J	0.0247	0.100	1	10/16/2020 09:49	WG1557497
(S) o-Terphenyl	45.2			31.0-160		10/16/2020 09:49	WG1557497

Collected date/time: 10/06/20 09:30

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3520		3.75	13.3	1	10/13/2020 14:38	WG1558061

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6.85		0.250	0.500	5	10/16/2020 18:42	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:33	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	129		37.9	100	100	10/15/2020 05:59	WG1557663
Fluoride	0.537		0.0640	0.150	1	10/15/2020 05:41	WG1557663
Sulfate	2020		59.4	500	100	10/15/2020 05:59	WG1557663

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:44	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.535		0.0254	0.200	1	10/12/2020 21:28	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00148	J	0.000735	0.00200	1	10/16/2020 00:29	WG1556443
Barium	0.0188	J	0.00778	0.0200	1	10/16/2020 00:29	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:29	WG1556443
Calcium	541		0.480	1.00	1	10/16/2020 00:29	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:29	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:29	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 00:29	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:29	WG1556443
Manganese	0.00279	B J	0.00132	0.00500	1	10/16/2020 00:29	WG1556443
Nickel	U		0.000952	0.00200	1	10/16/2020 00:29	WG1556443
Potassium	1.07	J	0.534	2.00	1	10/16/2020 00:29	WG1556443
Selenium	0.00371		0.000657	0.00200	1	10/16/2020 00:29	WG1556443
Sodium	133		0.630	2.00	1	10/16/2020 00:29	WG1556443
Uranium	0.0267		0.00754	0.0200	1	10/16/2020 00:29	WG1556443
Vanadium	0.00976		0.000986	0.00500	1	10/16/2020 00:29	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0364	J	0.0314	0.100	1	10/16/2020 03:13	WG1560160

Collected date/time: 10/06/20 09:30

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	96.6			78.0-120		10/16/2020 03:13	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 22:57	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 22:57	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 22:57	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 22:57	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 22:57	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 22:57	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 22:57	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 22:57	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 22:57	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 22:57	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 22:57	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 22:57	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 22:57	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 22:57	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 22:57	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 22:57	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 22:57	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 22:57	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 22:57	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 22:57	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 22:57	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 22:57	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 22:57	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 22:57	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 22:57	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 22:57	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 22:57	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 22:57	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 22:57	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 22:57	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 22:57	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 22:57	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 22:57	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 22:57	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 22:57	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 22:57	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 22:57	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 22:57	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 22:57	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 22:57	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 22:57	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 22:57	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 22:57	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 22:57	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 22:57	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 22:57	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 22:57	WG1560700
(S) Toluene-d8	99.4			80.0-120		10/16/2020 22:57	WG1560700
(S) 4-Bromofluorobenzene	94.0			77.0-126		10/16/2020 22:57	WG1560700
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		10/16/2020 22:57	WG1560700

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

Collected date/time: 10/06/20 09:30 L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/13/2020 22:26	WG1557498
(S) o-Terphenyl	101			31.0-160		10/13/2020 22:26	WG1557498

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/06/20 10:15

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3820		3.75	13.3	1	10/13/2020 17:56	WG1558062

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6.35		0.250	0.500	5	10/16/2020 18:12	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	0.00596		0.00180	0.00500	1	10/16/2020 00:35	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	130		37.9	100	100	10/15/2020 06:17	WG1557663
Fluoride	0.386		0.0640	0.150	1	10/15/2020 07:13	WG1557663
Sulfate	2210		59.4	500	100	10/15/2020 06:17	WG1557663

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:46	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.580		0.0254	0.200	1	10/12/2020 21:31	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00189	J	0.000735	0.00200	1	10/16/2020 00:33	WG1556443
Barium	0.00994	J	0.00778	0.0200	1	10/16/2020 00:33	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:33	WG1556443
Calcium	578		0.480	1.00	1	10/16/2020 00:33	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:33	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:33	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 00:33	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:33	WG1556443
Manganese	U		0.00132	0.00500	1	10/16/2020 00:33	WG1556443
Nickel	0.00146	J	0.000952	0.00200	1	10/16/2020 00:33	WG1556443
Potassium	0.656	J	0.534	2.00	1	10/16/2020 00:33	WG1556443
Selenium	0.00294		0.000657	0.00200	1	10/16/2020 00:33	WG1556443
Sodium	141		0.630	2.00	1	10/16/2020 00:33	WG1556443
Uranium	0.0287		0.00754	0.0200	1	10/16/2020 00:33	WG1556443
Vanadium	0.0135		0.000986	0.00500	1	10/16/2020 00:33	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0358	J	0.0314	0.100	1	10/16/2020 03:34	WG1560160

Collected date/time: 10/06/20 10:15

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	95.7			78.0-120		10/16/2020 03:34	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 23:17	WG1560700
Benzene	U		0.0000941	0.00100	1	10/16/2020 23:17	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 23:17	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 23:17	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 23:17	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 23:17	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 23:17	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 23:17	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 23:17	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 23:17	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 23:17	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 23:17	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 23:17	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 23:17	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 23:17	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 23:17	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 23:17	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 23:17	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 23:17	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 23:17	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 23:17	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 23:17	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 23:17	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 23:17	WG1560700
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 23:17	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 23:17	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 23:17	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 23:17	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 23:17	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 23:17	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 23:17	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 23:17	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 23:17	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 23:17	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 23:17	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 23:17	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 23:17	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 23:17	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 23:17	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 23:17	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 23:17	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 23:17	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 23:17	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 23:17	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/16/2020 23:17	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 23:17	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 23:17	WG1560700
(S) Toluene-d8	100			80.0-120		10/16/2020 23:17	WG1560700
(S) 4-Bromofluorobenzene	95.4			77.0-126		10/16/2020 23:17	WG1560700
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		10/16/2020 23:17	WG1560700

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

Collected date/time: 10/06/20 10:15

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/13/2020 22:52	WG1557498
(S) o-Terphenyl	106			31.0-160		10/13/2020 22:52	WG1557498

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

Collected date/time: 10/06/20 12:10

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1470		2.82	10.0	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.153		0.0500	0.100	1	10/16/2020 18:14	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	71.7		0.379	1.00	1	10/15/2020 07:31	WG1557663
Fluoride	1.34		0.0640	0.150	1	10/15/2020 07:31	WG1557663
Sulfate	785		5.94	50.0	10	10/15/2020 12:03	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00203		0.000735	0.00200	1	10/16/2020 00:37	WG1556443
Barium	0.0248		0.00778	0.0200	1	10/16/2020 00:37	WG1556443
Calcium	256		0.480	1.00	1	10/16/2020 00:37	WG1556443
Chromium	0.00191	J	0.00149	0.00200	1	10/16/2020 00:37	WG1556443
Iron	0.370		0.0489	0.100	1	10/16/2020 00:37	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:37	WG1556443
Manganese	0.0252	B	0.00132	0.00500	1	10/16/2020 00:37	WG1556443
Potassium	5.63		0.534	2.00	1	10/16/2020 00:37	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:37	WG1556443
Sodium	73.9		0.630	2.00	1	10/16/2020 00:37	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.32		0.0314	0.100	1	10/16/2020 03:54	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	98.3			78.0-120		10/16/2020 03:54	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 23:37	WG1560700
Benzene	0.00473		0.0000941	0.00100	1	10/16/2020 23:37	WG1560700
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 23:37	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 23:37	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 23:37	WG1560700
n-Butylbenzene	0.000360	J	0.000157	0.00100	1	10/16/2020 23:37	WG1560700
sec-Butylbenzene	0.0385		0.000125	0.00100	1	10/16/2020 23:37	WG1560700
Carbon disulfide	0.00229		0.0000962	0.00100	1	10/16/2020 23:37	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 23:37	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 23:37	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 23:37	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 23:37	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 23:37	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 23:37	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 23:37	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 23:37	WG1560700

Collected date/time: 10/06/20 12:10

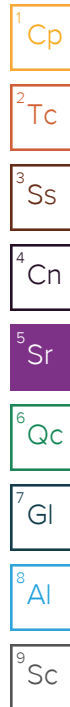
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 23:37	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 23:37	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 23:37	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 23:37	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 23:37	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 23:37	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 23:37	WG1560700
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 23:37	WG1560700
Isopropylbenzene	0.0256		0.000105	0.00100	1	10/16/2020 23:37	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 23:37	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 23:37	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 23:37	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 23:37	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 23:37	WG1560700
Methyl tert-butyl ether	0.000402	J	0.000101	0.00100	1	10/16/2020 23:37	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/16/2020 23:37	WG1560700
n-Propylbenzene	0.00184		0.0000993	0.00100	1	10/16/2020 23:37	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 23:37	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 23:37	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 23:37	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 23:37	WG1560700
Toluene	U		0.000278	0.00100	1	10/16/2020 23:37	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 23:37	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 23:37	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 23:37	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 23:37	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 23:37	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 23:37	WG1560700
o-Xylene	0.000239	J	0.000174	0.00100	1	10/16/2020 23:37	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 23:37	WG1560700
Xylenes, Total	0.000239	J	0.000174	0.00300	1	10/16/2020 23:37	WG1560700
(S) Toluene-d8	107			80.0-120		10/16/2020 23:37	WG1560700
(S) 4-Bromofluorobenzene	101			77.0-126		10/16/2020 23:37	WG1560700
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		10/16/2020 23:37	WG1560700

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.04		0.0247	0.100	1	10/13/2020 23:17	WG1557498
(S) o-Terphenyl	107			31.0-160		10/13/2020 23:17	WG1557498



Collected date/time: 10/06/20 13:05

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1590		2.82	10.0	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J3 J6	0.0500	0.100	1	10/16/2020 16:26	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	310		3.79	10.0	10	10/15/2020 08:45	WG1557663
Fluoride	0.710		0.0640	0.150	1	10/15/2020 08:08	WG1557663
Sulfate	8.17		0.594	5.00	1	10/15/2020 08:08	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0249		0.000735	0.00200	1	10/16/2020 00:40	WG1556443
Barium	2.15		0.00778	0.0200	1	10/16/2020 00:40	WG1556443
Calcium	88.5		0.480	1.00	1	10/16/2020 00:40	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:40	WG1556443
Iron	0.0846	J	0.0489	0.100	1	10/16/2020 00:40	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:40	WG1556443
Manganese	0.0742		0.00132	0.00500	1	10/16/2020 00:40	WG1556443
Potassium	0.586	J	0.534	2.00	1	10/16/2020 00:40	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:40	WG1556443
Sodium	343		0.630	2.00	1	10/16/2020 00:40	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	94.8		3.14	10.0	100	10/16/2020 08:02	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	88.3			78.0-120		10/16/2020 08:02	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		5.65	25.0	500	10/17/2020 07:22	WG1560699
Benzene	27.2		0.0471	0.500	500	10/17/2020 07:22	WG1560699
Bromodichloromethane	U		0.0680	0.500	500	10/17/2020 07:22	WG1560699
Bromoform	U		0.0645	0.500	500	10/17/2020 07:22	WG1560699
Bromomethane	U		0.303	2.50	500	10/17/2020 07:22	WG1560699
n-Butylbenzene	U		0.0785	0.500	500	10/17/2020 07:22	WG1560699
sec-Butylbenzene	U		0.0625	0.500	500	10/17/2020 07:22	WG1560699
Carbon disulfide	U		0.0481	0.500	500	10/17/2020 07:22	WG1560699
Carbon tetrachloride	U		0.0640	0.500	500	10/17/2020 07:22	WG1560699
Chlorobenzene	U		0.0580	0.500	500	10/17/2020 07:22	WG1560699
Chlorodibromomethane	U		0.0700	0.500	500	10/17/2020 07:22	WG1560699
Chloroethane	U		0.0960	2.50	500	10/17/2020 07:22	WG1560699
Chloroform	U		0.0555	2.50	500	10/17/2020 07:22	WG1560699
Chloromethane	U		0.480	1.25	500	10/17/2020 07:22	WG1560699
1,2-Dibromoethane	U		0.0630	0.500	500	10/17/2020 07:22	WG1560699
1,1-Dichloroethane	U		0.0500	0.500	500	10/17/2020 07:22	WG1560699

Collected date/time: 10/06/20 13:05

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0409	0.500	500	10/17/2020 07:22	WG1560699
1,1-Dichloroethene	U		0.0940	0.500	500	10/17/2020 07:22	WG1560699
cis-1,2-Dichloroethene	U		0.0630	0.500	500	10/17/2020 07:22	WG1560699
trans-1,2-Dichloroethene	U		0.0745	0.500	500	10/17/2020 07:22	WG1560699
1,2-Dichloropropane	U		0.0745	0.500	500	10/17/2020 07:22	WG1560699
cis-1,3-Dichloropropene	U		0.0555	0.500	500	10/17/2020 07:22	WG1560699
trans-1,3-Dichloropropene	U	J4	0.0590	0.500	500	10/17/2020 07:22	WG1560699
Ethylbenzene	1.55		0.0685	0.500	500	10/17/2020 07:22	WG1560699
Isopropylbenzene	0.0640	IJ	0.0525	0.500	500	10/17/2020 07:22	WG1560699
p-Isopropyltoluene	U		0.0600	0.500	500	10/17/2020 07:22	WG1560699
2-Butanone (MEK)	U		0.595	5.00	500	10/17/2020 07:22	WG1560699
2-Hexanone	U		0.394	5.00	500	10/17/2020 07:22	WG1560699
Methylene Chloride	U		0.215	2.50	500	10/17/2020 07:22	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.239	5.00	500	10/17/2020 07:22	WG1560699
Methyl tert-butyl ether	0.560		0.0505	0.500	500	10/17/2020 07:22	WG1560699
Naphthalene	U		0.500	2.50	500	10/17/2020 07:22	WG1560699
n-Propylbenzene	0.0626	IJ	0.0497	0.500	500	10/17/2020 07:22	WG1560699
Styrene	U		0.0590	0.500	500	10/17/2020 07:22	WG1560699
1,1,1,2-Tetrachloroethane	U		0.0735	0.500	500	10/17/2020 07:22	WG1560699
1,1,2,2-Tetrachloroethane	U		0.0665	0.500	500	10/17/2020 07:22	WG1560699
Tetrachloroethene	U		0.150	0.500	500	10/17/2020 07:22	WG1560699
Toluene	8.09		0.139	0.500	500	10/17/2020 07:22	WG1560699
1,1,1-Trichloroethane	U		0.0745	0.500	500	10/17/2020 07:22	WG1560699
1,1,2-Trichloroethane	U		0.0790	0.500	500	10/17/2020 07:22	WG1560699
Trichloroethene	U		0.0950	0.500	500	10/17/2020 07:22	WG1560699
1,2,4-Trimethylbenzene	0.252	IJ	0.161	0.500	500	10/17/2020 07:22	WG1560699
1,3,5-Trimethylbenzene	U		0.0520	0.500	500	10/17/2020 07:22	WG1560699
Vinyl chloride	U		0.117	0.500	500	10/17/2020 07:22	WG1560699
o-Xylene	0.794		0.0870	0.500	500	10/17/2020 07:22	WG1560699
m&p-Xylene	2.31		0.215	1.00	500	10/17/2020 07:22	WG1560699
Xylenes, Total	3.10		0.0870	1.50	500	10/17/2020 07:22	WG1560699
(S) Toluene-d8	100			80.0-120		10/17/2020 07:22	WG1560699
(S) 4-Bromofluorobenzene	97.2			77.0-126		10/17/2020 07:22	WG1560699
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		10/17/2020 07:22	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.54		0.0247	0.100	1	10/13/2020 23:43	WG1557498
(S) o-Terphenyl	106			31.0-160		10/13/2020 23:43	WG1557498

Collected date/time: 10/06/20 14:10

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1610		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 16:30	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	282		37.9	100	100	10/15/2020 09:40	WG1557663
Fluoride	0.812		0.0640	0.150	1	10/15/2020 09:22	WG1557663
Sulfate	5.16		0.594	5.00	1	10/15/2020 09:22	WG1557663

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0147		0.000735	0.00200	1	10/16/2020 00:44	WG1556443
Barium	8.81		0.00778	0.0200	1	10/16/2020 00:44	WG1556443
Calcium	91.9		0.480	1.00	1	10/16/2020 00:44	WG1556443
Chromium	0.00155	J	0.00149	0.00200	1	10/16/2020 00:44	WG1556443
Iron	0.159		0.0489	0.100	1	10/16/2020 00:44	WG1556443
Lead	0.00387	J	0.00249	0.00500	1	10/16/2020 00:44	WG1556443
Manganese	0.0405		0.00132	0.00500	1	10/16/2020 00:44	WG1556443
Potassium	U		0.534	2.00	1	10/16/2020 00:44	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:44	WG1556443
Sodium	431		0.630	2.00	1	10/16/2020 00:44	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	28.9		3.14	10.0	100	10/16/2020 08:23	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	92.4			78.0-120		10/16/2020 08:23	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		1.13	5.00	100	10/17/2020 07:43	WG1560699
Benzene	8.72		0.00941	0.100	100	10/17/2020 07:43	WG1560699
Bromodichloromethane	U		0.0136	0.100	100	10/17/2020 07:43	WG1560699
Bromoform	U		0.0129	0.100	100	10/17/2020 07:43	WG1560699
Bromomethane	U		0.0605	0.500	100	10/17/2020 07:43	WG1560699
n-Butylbenzene	U		0.0157	0.100	100	10/17/2020 07:43	WG1560699
sec-Butylbenzene	U		0.0125	0.100	100	10/17/2020 07:43	WG1560699
Carbon disulfide	U		0.00962	0.100	100	10/17/2020 07:43	WG1560699
Carbon tetrachloride	U		0.0128	0.100	100	10/17/2020 07:43	WG1560699
Chlorobenzene	U		0.0116	0.100	100	10/17/2020 07:43	WG1560699
Chlorodibromomethane	U		0.0140	0.100	100	10/17/2020 07:43	WG1560699
Chloroethane	U		0.0192	0.500	100	10/17/2020 07:43	WG1560699
Chloroform	U		0.0111	0.500	100	10/17/2020 07:43	WG1560699
Chloromethane	U		0.0960	0.250	100	10/17/2020 07:43	WG1560699
1,2-Dibromoethane	U		0.0126	0.100	100	10/17/2020 07:43	WG1560699
1,1-Dichloroethane	U		0.0100	0.100	100	10/17/2020 07:43	WG1560699

Collected date/time: 10/06/20 14:10

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00819	0.100	100	10/17/2020 07:43	WG1560699
1,1-Dichloroethene	U		0.0188	0.100	100	10/17/2020 07:43	WG1560699
cis-1,2-Dichloroethene	U		0.0126	0.100	100	10/17/2020 07:43	WG1560699
trans-1,2-Dichloroethene	U		0.0149	0.100	100	10/17/2020 07:43	WG1560699
1,2-Dichloropropane	U		0.0149	0.100	100	10/17/2020 07:43	WG1560699
cis-1,3-Dichloropropene	U		0.0111	0.100	100	10/17/2020 07:43	WG1560699
trans-1,3-Dichloropropene	U	J4	0.0118	0.100	100	10/17/2020 07:43	WG1560699
Ethylbenzene	0.537		0.0137	0.100	100	10/17/2020 07:43	WG1560699
Isopropylbenzene	0.0289	J	0.0105	0.100	100	10/17/2020 07:43	WG1560699
p-Isopropyltoluene	U		0.0120	0.100	100	10/17/2020 07:43	WG1560699
2-Butanone (MEK)	U		0.119	1.00	100	10/17/2020 07:43	WG1560699
2-Hexanone	U		0.0787	1.00	100	10/17/2020 07:43	WG1560699
Methylene Chloride	U		0.0430	0.500	100	10/17/2020 07:43	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	10/17/2020 07:43	WG1560699
Methyl tert-butyl ether	1.20		0.0101	0.100	100	10/17/2020 07:43	WG1560699
Naphthalene	0.127	J	0.100	0.500	100	10/17/2020 07:43	WG1560699
n-Propylbenzene	0.0310	J	0.00993	0.100	100	10/17/2020 07:43	WG1560699
Styrene	U		0.0118	0.100	100	10/17/2020 07:43	WG1560699
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	10/17/2020 07:43	WG1560699
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	10/17/2020 07:43	WG1560699
Tetrachloroethene	U		0.0300	0.100	100	10/17/2020 07:43	WG1560699
Toluene	0.0746	J	0.0278	0.100	100	10/17/2020 07:43	WG1560699
1,1,1-Trichloroethane	U		0.0149	0.100	100	10/17/2020 07:43	WG1560699
1,1,2-Trichloroethane	U		0.0158	0.100	100	10/17/2020 07:43	WG1560699
Trichloroethene	U		0.0190	0.100	100	10/17/2020 07:43	WG1560699
1,2,4-Trimethylbenzene	0.0910	J	0.0322	0.100	100	10/17/2020 07:43	WG1560699
1,3,5-Trimethylbenzene	0.0117	J	0.0104	0.100	100	10/17/2020 07:43	WG1560699
Vinyl chloride	U		0.0234	0.100	100	10/17/2020 07:43	WG1560699
o-Xylene	0.0274	J	0.0174	0.100	100	10/17/2020 07:43	WG1560699
m&p-Xylene	0.227		0.0430	0.200	100	10/17/2020 07:43	WG1560699
Xylenes, Total	0.254	J	0.0174	0.300	100	10/17/2020 07:43	WG1560699
(S) Toluene-d8	100			80.0-120		10/17/2020 07:43	WG1560699
(S) 4-Bromofluorobenzene	95.8			77.0-126		10/17/2020 07:43	WG1560699
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		10/17/2020 07:43	WG1560699

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9.97		0.247	1.00	10	10/14/2020 19:13	WG1557498
(S) o-Terphenyl	265	J1		31.0-160		10/14/2020 19:13	WG1557498

Sample Narrative:

L1271301-20 WG1557498: Surrogate failure due to matrix interference

Collected date/time: 10/07/20 09:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1060		2.82	10.0	1	10/14/2020 02:47	WG1558086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 16:33	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:36	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	189		1.90	5.00	5	10/13/2020 22:41	WG1557664
Fluoride	1.12		0.0640	0.150	1	10/13/2020 21:28	WG1557664
Sulfate	6.68		0.594	5.00	1	10/13/2020 21:28	WG1557664

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:47	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.229		0.0254	0.200	1	10/12/2020 21:34	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00267		0.000735	0.00200	1	10/16/2020 00:48	WG1556443
Barium	1.68		0.00778	0.0200	1	10/16/2020 00:48	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:48	WG1556443
Calcium	140		0.480	1.00	1	10/16/2020 00:48	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:48	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:48	WG1556443
Iron	0.704		0.0489	0.100	1	10/16/2020 00:48	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:48	WG1556443
Manganese	0.339		0.00132	0.00500	1	10/16/2020 00:48	WG1556443
Nickel	0.00675		0.000952	0.00200	1	10/16/2020 00:48	WG1556443
Potassium	1.71	J	0.534	2.00	1	10/16/2020 00:48	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:48	WG1556443
Sodium	145		0.630	2.00	1	10/16/2020 00:48	WG1556443
Uranium	U		0.00754	0.0200	1	10/16/2020 00:48	WG1556443
Vanadium	0.00212	J	0.000986	0.00500	1	10/16/2020 00:48	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	4.41		0.0314	0.100	1	10/16/2020 04:15	WG1560160

Collected date/time: 10/07/20 09:25

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	84.0			78.0-120		10/16/2020 04:15	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/17/2020 08:03	WG1560699
Benzene	0.965		0.000941	0.0100	10	10/17/2020 08:03	WG1560699
Bromodichloromethane	U		0.00136	0.0100	10	10/17/2020 08:03	WG1560699
Bromoform	U		0.00129	0.0100	10	10/17/2020 08:03	WG1560699
Bromomethane	U		0.00605	0.0500	10	10/17/2020 08:03	WG1560699
n-Butylbenzene	0.00483	J	0.00157	0.0100	10	10/17/2020 08:03	WG1560699
sec-Butylbenzene	0.00634	J	0.00125	0.0100	10	10/17/2020 08:03	WG1560699
Carbon disulfide	U		0.000962	0.0100	10	10/17/2020 08:03	WG1560699
Carbon tetrachloride	U		0.00128	0.0100	10	10/17/2020 08:03	WG1560699
Chlorobenzene	U		0.00116	0.0100	10	10/17/2020 08:03	WG1560699
Chlorodibromomethane	U		0.00140	0.0100	10	10/17/2020 08:03	WG1560699
Chloroethane	U		0.00192	0.0500	10	10/17/2020 08:03	WG1560699
Chloroform	U		0.00111	0.0500	10	10/17/2020 08:03	WG1560699
Chloromethane	U		0.00960	0.0250	10	10/17/2020 08:03	WG1560699
1,2-Dibromoethane	U		0.00126	0.0100	10	10/17/2020 08:03	WG1560699
1,1-Dichloroethane	U		0.00100	0.0100	10	10/17/2020 08:03	WG1560699
1,2-Dichloroethane	U		0.000819	0.0100	10	10/17/2020 08:03	WG1560699
1,1-Dichloroethene	U		0.00188	0.0100	10	10/17/2020 08:03	WG1560699
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/17/2020 08:03	WG1560699
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/17/2020 08:03	WG1560699
1,2-Dichloropropane	U		0.00149	0.0100	10	10/17/2020 08:03	WG1560699
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/17/2020 08:03	WG1560699
trans-1,3-Dichloropropene	U	J4	0.00118	0.0100	10	10/17/2020 08:03	WG1560699
Ethylbenzene	0.00643	J	0.00137	0.0100	10	10/17/2020 08:03	WG1560699
Isopropylbenzene	0.0424		0.00105	0.0100	10	10/17/2020 08:03	WG1560699
p-Isopropyltoluene	U		0.00120	0.0100	10	10/17/2020 08:03	WG1560699
2-Butanone (MEK)	U		0.0119	0.100	10	10/17/2020 08:03	WG1560699
2-Hexanone	U		0.00787	0.100	10	10/17/2020 08:03	WG1560699
Methylene Chloride	U		0.00430	0.0500	10	10/17/2020 08:03	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/17/2020 08:03	WG1560699
Methyl tert-butyl ether	1.90		0.00101	0.0100	10	10/17/2020 08:03	WG1560699
Naphthalene	0.0737		0.0100	0.0500	10	10/17/2020 08:03	WG1560699
n-Propylbenzene	0.0513		0.000993	0.0100	10	10/17/2020 08:03	WG1560699
Styrene	U		0.00118	0.0100	10	10/17/2020 08:03	WG1560699
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/17/2020 08:03	WG1560699
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/17/2020 08:03	WG1560699
Tetrachloroethene	U		0.00300	0.0100	10	10/17/2020 08:03	WG1560699
Toluene	0.00445	J	0.00278	0.0100	10	10/17/2020 08:03	WG1560699
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/17/2020 08:03	WG1560699
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/17/2020 08:03	WG1560699
Trichloroethene	U		0.00190	0.0100	10	10/17/2020 08:03	WG1560699
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/17/2020 08:03	WG1560699
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/17/2020 08:03	WG1560699
Vinyl chloride	U		0.00234	0.0100	10	10/17/2020 08:03	WG1560699
o-Xylene	0.00183	J	0.00174	0.0100	10	10/17/2020 08:03	WG1560699
m&p-Xylene	0.00604	J	0.00430	0.0200	10	10/17/2020 08:03	WG1560699
Xylenes, Total	0.00787	J	0.00174	0.0300	10	10/17/2020 08:03	WG1560699
(S) Toluene-d8	102			80.0-120		10/17/2020 08:03	WG1560699
(S) 4-Bromofluorobenzene	100			77.0-126		10/17/2020 08:03	WG1560699
(S) 1,2-Dichloroethane-d4	94.7			70.0-130		10/17/2020 08:03	WG1560699

Collected date/time: 10/07/20 09:25

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.36		0.0247	0.100	1	10/15/2020 07:24	WG1557911
(S) o-Terphenyl	91.6			31.0-160		10/15/2020 07:24	WG1557911

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Collected date/time: 10/07/20 11:10

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2670		2.82	10.0	1	10/14/2020 02:47	WG1558086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 18:04	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:37	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	132		19.0	50.0	50	10/13/2020 23:36	WG1557664
Fluoride	1.02		0.0640	0.150	1	10/13/2020 23:18	WG1557664
Sulfate	1140		29.7	250	50	10/13/2020 23:36	WG1557664

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:49	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	1.32		0.0254	0.200	1	10/12/2020 21:37	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00538		0.000735	0.00200	1	10/16/2020 00:52	WG1556443
Barium	0.0371		0.00778	0.0200	1	10/16/2020 00:52	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:52	WG1556443
Calcium	281		0.480	1.00	1	10/16/2020 00:52	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:52	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:52	WG1556443
Iron	0.0940	J	0.0489	0.100	1	10/16/2020 00:52	WG1556443
Lead	0.00540		0.00249	0.00500	1	10/16/2020 00:52	WG1556443
Manganese	0.389		0.00132	0.00500	1	10/16/2020 00:52	WG1556443
Nickel	0.00504		0.000952	0.00200	1	10/16/2020 00:52	WG1556443
Potassium	4.03		0.534	2.00	1	10/16/2020 00:52	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:52	WG1556443
Sodium	114		0.630	2.00	1	10/16/2020 00:52	WG1556443
Uranium	U		0.00754	0.0200	1	10/16/2020 00:52	WG1556443
Vanadium	0.00375	J	0.000986	0.00500	1	10/16/2020 00:52	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.65		0.0314	0.100	1	10/16/2020 04:36	WG1560160

Collected date/time: 10/07/20 11:10

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	84.7			78.0-120		10/16/2020 04:36	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 08:24	WG1560699
Benzene	0.362		0.000471	0.00500	5	10/17/2020 08:24	WG1560699
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 08:24	WG1560699
Bromoform	U		0.000645	0.00500	5	10/17/2020 08:24	WG1560699
Bromomethane	U		0.00303	0.0250	5	10/17/2020 08:24	WG1560699
n-Butylbenzene	U		0.000785	0.00500	5	10/17/2020 08:24	WG1560699
sec-Butylbenzene	0.00171	J	0.000625	0.00500	5	10/17/2020 08:24	WG1560699
Carbon disulfide	U		0.000481	0.00500	5	10/17/2020 08:24	WG1560699
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 08:24	WG1560699
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 08:24	WG1560699
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 08:24	WG1560699
Chloroethane	U		0.000960	0.0250	5	10/17/2020 08:24	WG1560699
Chloroform	U		0.000555	0.0250	5	10/17/2020 08:24	WG1560699
Chloromethane	U		0.00480	0.0125	5	10/17/2020 08:24	WG1560699
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 08:24	WG1560699
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 08:24	WG1560699
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 08:24	WG1560699
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 08:24	WG1560699
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 08:24	WG1560699
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 08:24	WG1560699
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 08:24	WG1560699
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 08:24	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000590	0.00500	5	10/17/2020 08:24	WG1560699
Ethylbenzene	0.0136		0.000685	0.00500	5	10/17/2020 08:24	WG1560699
Isopropylbenzene	0.0192		0.000525	0.00500	5	10/17/2020 08:24	WG1560699
p-Isopropyltoluene	0.00110	J	0.000600	0.00500	5	10/17/2020 08:24	WG1560699
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 08:24	WG1560699
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 08:24	WG1560699
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 08:24	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 08:24	WG1560699
Methyl tert-butyl ether	0.214		0.000505	0.00500	5	10/17/2020 08:24	WG1560699
Naphthalene	0.00638	J	0.00500	0.0250	5	10/17/2020 08:24	WG1560699
n-Propylbenzene	0.0182		0.000497	0.00500	5	10/17/2020 08:24	WG1560699
Styrene	U		0.000590	0.00500	5	10/17/2020 08:24	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 08:24	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 08:24	WG1560699
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 08:24	WG1560699
Toluene	0.00882		0.00139	0.00500	5	10/17/2020 08:24	WG1560699
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 08:24	WG1560699
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 08:24	WG1560699
Trichloroethene	U		0.000950	0.00500	5	10/17/2020 08:24	WG1560699
1,2,4-Trimethylbenzene	0.0430		0.00161	0.00500	5	10/17/2020 08:24	WG1560699
1,3,5-Trimethylbenzene	0.00133	J	0.000520	0.00500	5	10/17/2020 08:24	WG1560699
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 08:24	WG1560699
o-Xylene	0.00171	J	0.000870	0.00500	5	10/17/2020 08:24	WG1560699
m&p-Xylene	0.0609		0.00215	0.0100	5	10/17/2020 08:24	WG1560699
Xylenes, Total	0.0626		0.000870	0.0150	5	10/17/2020 08:24	WG1560699
(S) Toluene-d8	103			80.0-120		10/17/2020 08:24	WG1560699
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 08:24	WG1560699
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		10/17/2020 08:24	WG1560699

Collected date/time: 10/07/20 11:10

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.28		0.0247	0.100	1	10/15/2020 07:45	WG1557911
(S) o-Terphenyl	118			31.0-160		10/15/2020 07:45	WG1557911

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 10/07/20 10:25

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3560		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.203		0.0500	0.100	1	10/16/2020 18:05	WG1559000

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.0180	0.0500	10	10/16/2020 00:38	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	202		37.9	100	100	10/14/2020 00:50	WG1557664
Fluoride	0.715		0.0640	0.150	1	10/14/2020 00:31	WG1557664
Sulfate	1510		59.4	500	100	10/14/2020 00:50	WG1557664

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:55	WG1556621

Metals (ICP) by Method 6010B

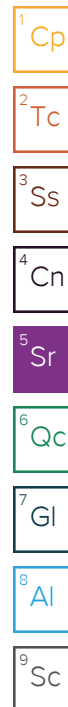
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.465		0.0254	0.200	1	10/12/2020 21:40	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00621		0.000735	0.00200	1	10/16/2020 00:55	WG1556443
Barium	0.0203		0.00778	0.0200	1	10/16/2020 00:55	WG1556443
Cadmium	U		0.000478	0.00100	1	10/16/2020 00:55	WG1556443
Calcium	418		0.480	1.00	1	10/16/2020 00:55	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 00:55	WG1556443
Cobalt	U		0.000477	0.00200	1	10/16/2020 00:55	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 00:55	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 00:55	WG1556443
Manganese	0.227		0.00132	0.00500	1	10/16/2020 00:55	WG1556443
Nickel	0.00161	J	0.000952	0.00200	1	10/16/2020 00:55	WG1556443
Potassium	U		0.534	2.00	1	10/16/2020 00:55	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 00:55	WG1556443
Sodium	189		0.630	2.00	1	10/16/2020 00:55	WG1556443
Uranium	U		0.00754	0.0200	1	10/16/2020 00:55	WG1556443
Vanadium	U		0.000986	0.00500	1	10/16/2020 00:55	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.528		0.0314	0.100	1	10/16/2020 04:56	WG1560160



Collected date/time: 10/07/20 10:25

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	88.3			78.0-120		10/16/2020 04:56	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 05:41	WG1560699
Benzene	0.00231		0.0000941	0.00100	1	10/17/2020 05:41	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 05:41	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 05:41	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 05:41	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 05:41	WG1560699
sec-Butylbenzene	0.00254		0.000125	0.00100	1	10/17/2020 05:41	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 05:41	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 05:41	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 05:41	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 05:41	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 05:41	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 05:41	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 05:41	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 05:41	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 05:41	WG1560699
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 05:41	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 05:41	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 05:41	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 05:41	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 05:41	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 05:41	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 05:41	WG1560699
Ethylbenzene	0.000461	J	0.000137	0.00100	1	10/17/2020 05:41	WG1560699
Isopropylbenzene	0.0231		0.000105	0.00100	1	10/17/2020 05:41	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 05:41	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 05:41	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 05:41	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 05:41	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 05:41	WG1560699
Methyl tert-butyl ether	0.000168	J	0.000101	0.00100	1	10/17/2020 05:41	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 05:41	WG1560699
n-Propylbenzene	0.00120		0.0000993	0.00100	1	10/17/2020 05:41	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 05:41	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 05:41	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 05:41	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 05:41	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 05:41	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 05:41	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 05:41	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 05:41	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 05:41	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 05:41	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 05:41	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 05:41	WG1560699
m&p-Xylene	0.00238		0.000430	0.00200	1	10/17/2020 05:41	WG1560699
Xylenes, Total	0.00238	J	0.000174	0.00300	1	10/17/2020 05:41	WG1560699
(S) Toluene-d8	101			80.0-120		10/17/2020 05:41	WG1560699
(S) 4-Bromofluorobenzene	99.3			77.0-126		10/17/2020 05:41	WG1560699
(S) 1,2-Dichloroethane-d4	90.7			70.0-130		10/17/2020 05:41	WG1560699

Collected date/time: 10/07/20 10:25

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.03		0.0247	0.100	1	10/15/2020 08:05	WG1557911
(S) o-Terphenyl	104			31.0-160		10/15/2020 08:05	WG1557911

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

Collected date/time: 10/07/20 10:50

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4350		5.64	20.0	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0919	J	0.0500	0.100	1	10/16/2020 18:07	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	271		37.9	100	100	10/14/2020 01:27	WG1557664
Fluoride	1.10		0.0640	0.150	1	10/14/2020 01:08	WG1557664
Sulfate	2270		59.4	500	100	10/14/2020 01:27	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00367		0.000735	0.00200	1	10/16/2020 01:10	WG1556443
Barium	0.0101	J	0.00778	0.0200	1	10/16/2020 01:10	WG1556443
Calcium	541		0.480	1.00	1	10/16/2020 01:10	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 01:10	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 01:10	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 01:10	WG1556443
Manganese	0.430		0.00132	0.00500	1	10/16/2020 01:10	WG1556443
Potassium	1.42	J	0.534	2.00	1	10/16/2020 01:10	WG1556443
Selenium	0.00180	J	0.000657	0.00200	1	10/16/2020 01:10	WG1556443
Sodium	221		0.630	2.00	1	10/16/2020 01:10	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0382	J	0.0314	0.100	1	10/16/2020 05:17	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	95.5			78.0-120		10/16/2020 05:17	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 06:01	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 06:01	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 06:01	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 06:01	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 06:01	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 06:01	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 06:01	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 06:01	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 06:01	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 06:01	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 06:01	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 06:01	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 06:01	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 06:01	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 06:01	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 06:01	WG1560699

Collected date/time: 10/07/20 10:50

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 06:01	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 06:01	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 06:01	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 06:01	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 06:01	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 06:01	WG1560699
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2020 06:01	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 06:01	WG1560699
Isopropylbenzene	0.000155	J	0.000105	0.00100	1	10/17/2020 06:01	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 06:01	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 06:01	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 06:01	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 06:01	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 06:01	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 06:01	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 06:01	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 06:01	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 06:01	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 06:01	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 06:01	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 06:01	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 06:01	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 06:01	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 06:01	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 06:01	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 06:01	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 06:01	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 06:01	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 06:01	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 06:01	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 06:01	WG1560699
(S) Toluene-d8	100			80.0-120		10/17/2020 06:01	WG1560699
(S) 4-Bromofluorobenzene	96.3			77.0-126		10/17/2020 06:01	WG1560699
(S) 1,2-Dichloroethane-d4	94.0			70.0-130		10/17/2020 06:01	WG1560699

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0942	B J	0.0247	0.100	1	10/15/2020 08:25	WG1557911
(S) o-Terphenyl	87.4			31.0-160		10/15/2020 08:25	WG1557911

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

Collected date/time: 10/07/20 10:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4040		5.64	20.0	1	10/14/2020 02:47	WG1558086

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.476		0.0500	0.100	1	10/16/2020 18:09	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	260		37.9	100	100	10/14/2020 02:05	WG1557664
Fluoride	1.53		0.0640	0.150	1	10/14/2020 01:47	WG1557664
Sulfate	1920		59.4	500	100	10/14/2020 02:05	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00300		0.000735	0.00200	1	10/16/2020 01:14	WG1556443
Barium	0.00929	J	0.00778	0.0200	1	10/16/2020 01:14	WG1556443
Calcium	550		0.480	1.00	1	10/16/2020 01:14	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 01:14	WG1556443
Iron	0.0902	J	0.0489	0.100	1	10/16/2020 01:14	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 01:14	WG1556443
Manganese	0.0150	B	0.00132	0.00500	1	10/16/2020 01:14	WG1556443
Potassium	1.14	J	0.534	2.00	1	10/16/2020 01:14	WG1556443
Selenium	0.00619		0.000657	0.00200	1	10/16/2020 01:14	WG1556443
Sodium	176		0.630	2.00	1	10/16/2020 01:14	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 05:37	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	95.7			78.0-120		10/16/2020 05:37	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 06:22	WG1560699
Benzene	U		0.0000941	0.00100	1	10/17/2020 06:22	WG1560699
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 06:22	WG1560699
Bromoform	U		0.000129	0.00100	1	10/17/2020 06:22	WG1560699
Bromomethane	U		0.000605	0.00500	1	10/17/2020 06:22	WG1560699
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 06:22	WG1560699
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 06:22	WG1560699
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 06:22	WG1560699
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 06:22	WG1560699
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 06:22	WG1560699
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 06:22	WG1560699
Chloroethane	U		0.000192	0.00500	1	10/17/2020 06:22	WG1560699
Chloroform	U		0.000111	0.00500	1	10/17/2020 06:22	WG1560699
Chloromethane	U		0.000960	0.00250	1	10/17/2020 06:22	WG1560699
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 06:22	WG1560699
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 06:22	WG1560699

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L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 06:22	WG1560699
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 06:22	WG1560699
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 06:22	WG1560699
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 06:22	WG1560699
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 06:22	WG1560699
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 06:22	WG1560699
trans-1,3-Dichloropropene	U	<u>J4</u>	0.000118	0.00100	1	10/17/2020 06:22	WG1560699
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 06:22	WG1560699
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 06:22	WG1560699
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 06:22	WG1560699
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 06:22	WG1560699
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 06:22	WG1560699
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 06:22	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 06:22	WG1560699
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 06:22	WG1560699
Naphthalene	U		0.00100	0.00500	1	10/17/2020 06:22	WG1560699
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 06:22	WG1560699
Styrene	U		0.000118	0.00100	1	10/17/2020 06:22	WG1560699
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 06:22	WG1560699
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 06:22	WG1560699
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 06:22	WG1560699
Toluene	U		0.000278	0.00100	1	10/17/2020 06:22	WG1560699
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 06:22	WG1560699
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 06:22	WG1560699
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 06:22	WG1560699
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 06:22	WG1560699
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 06:22	WG1560699
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 06:22	WG1560699
o-Xylene	U		0.000174	0.00100	1	10/17/2020 06:22	WG1560699
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 06:22	WG1560699
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 06:22	WG1560699
(S) Toluene-d8	99.9			80.0-120		10/17/2020 06:22	WG1560699
(S) 4-Bromofluorobenzene	99.9			77.0-126		10/17/2020 06:22	WG1560699
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		10/17/2020 06:22	WG1560699

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.127	<u>B</u>	0.0247	0.100	1	10/15/2020 08:45	WG1557911
(S) o-Terphenyl	84.2			31.0-160		10/15/2020 08:45	WG1557911

Collected date/time: 10/06/20 09:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1410		2.82	10.0	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 18:10	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	185		1.90	5.00	5	10/14/2020 02:42	WG1557664
Fluoride	0.915		0.0640	0.150	1	10/14/2020 02:23	WG1557664
Sulfate	234		2.97	25.0	5	10/14/2020 02:42	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0107		0.000735	0.00200	1	10/16/2020 01:18	WG1556443
Barium	0.0786		0.00778	0.0200	1	10/16/2020 01:18	WG1556443
Calcium	207		0.480	1.00	1	10/16/2020 01:18	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 01:18	WG1556443
Iron	1.75		0.0489	0.100	1	10/16/2020 01:18	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 01:18	WG1556443
Manganese	0.912		0.00132	0.00500	1	10/16/2020 01:18	WG1556443
Potassium	0.881	J	0.534	2.00	1	10/16/2020 01:18	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 01:18	WG1556443
Sodium	137		0.630	2.00	1	10/16/2020 01:18	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.37		0.0314	0.100	1	10/16/2020 05:58	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	78.6			78.0-120		10/16/2020 05:58	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 23:57	WG1560700
Benzene	2.32		0.00471	0.0500	50	10/18/2020 11:08	WG1561145
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 23:57	WG1560700
Bromoform	U		0.000129	0.00100	1	10/16/2020 23:57	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/16/2020 23:57	WG1560700
n-Butylbenzene	0.000929	J	0.000157	0.00100	1	10/16/2020 23:57	WG1560700
sec-Butylbenzene	0.00403		0.000125	0.00100	1	10/16/2020 23:57	WG1560700
Carbon disulfide	0.000718	J	0.0000962	0.00100	1	10/16/2020 23:57	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 23:57	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 23:57	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 23:57	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/16/2020 23:57	WG1560700
Chloroform	U		0.000111	0.00500	1	10/16/2020 23:57	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/16/2020 23:57	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 23:57	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 23:57	WG1560700

Collected date/time: 10/06/20 09:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 23:57	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 23:57	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 23:57	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 23:57	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 23:57	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 23:57	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 23:57	WG1560700
Ethylbenzene	0.0180		0.000137	0.00100	1	10/16/2020 23:57	WG1560700
Isopropylbenzene	0.0205		0.000105	0.00100	1	10/16/2020 23:57	WG1560700
p-Isopropyltoluene	0.000621	J	0.000120	0.00100	1	10/16/2020 23:57	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 23:57	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 23:57	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 23:57	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 23:57	WG1560700
Methyl tert-butyl ether	0.0532		0.000101	0.00100	1	10/16/2020 23:57	WG1560700
Naphthalene	0.0180		0.00100	0.00500	1	10/16/2020 23:57	WG1560700
n-Propylbenzene	0.0157		0.0000993	0.00100	1	10/16/2020 23:57	WG1560700
Styrene	U		0.000118	0.00100	1	10/16/2020 23:57	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 23:57	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 23:57	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 23:57	WG1560700
Toluene	0.00858		0.000278	0.00100	1	10/16/2020 23:57	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 23:57	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 23:57	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 23:57	WG1560700
1,2,4-Trimethylbenzene	0.0254		0.000322	0.00100	1	10/16/2020 23:57	WG1560700
1,3,5-Trimethylbenzene	0.00284		0.000104	0.00100	1	10/16/2020 23:57	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 23:57	WG1560700
o-Xylene	0.000814	J	0.000174	0.00100	1	10/16/2020 23:57	WG1560700
m&p-Xylene	0.0771		0.000430	0.00200	1	10/16/2020 23:57	WG1560700
Xylenes, Total	0.0779		0.000174	0.00300	1	10/16/2020 23:57	WG1560700
(S) Toluene-d8	103			80.0-120		10/16/2020 23:57	WG1560700
(S) Toluene-d8	111			80.0-120		10/18/2020 11:08	WG1561145
(S) 4-Bromofluorobenzene	103			77.0-126		10/16/2020 23:57	WG1560700
(S) 4-Bromofluorobenzene	106			77.0-126		10/18/2020 11:08	WG1561145
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		10/16/2020 23:57	WG1560700
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/18/2020 11:08	WG1561145

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.07		0.0247	0.100	1	10/14/2020 02:42	WG1557908
(S) o-Terphenyl	113			31.0-160		10/14/2020 02:42	WG1557908

Collected date/time: 10/06/20 15:15

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1050		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/16/2020 18:11	WG1559000

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	99.9		1.90	5.00	5	10/14/2020 03:19	WG1557664
Fluoride	1.47		0.0640	0.150	1	10/14/2020 03:00	WG1557664
Sulfate	17.4		0.594	5.00	1	10/14/2020 03:00	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0123		0.000735	0.00200	1	10/16/2020 01:21	WG1556443
Barium	8.29		0.00778	0.0200	1	10/16/2020 01:21	WG1556443
Calcium	170		0.480	1.00	1	10/16/2020 01:21	WG1556443
Chromium	0.00278		0.00149	0.00200	1	10/16/2020 01:21	WG1556443
Iron	0.411		0.0489	0.100	1	10/16/2020 01:21	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 01:21	WG1556443
Manganese	0.138		0.00132	0.00500	1	10/16/2020 01:21	WG1556443
Potassium	2.73		0.534	2.00	1	10/16/2020 01:21	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 01:21	WG1556443
Sodium	89.5		0.630	2.00	1	10/16/2020 01:21	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	32.8		1.57	5.00	50	10/16/2020 07:21	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	90.4			78.0-120		10/16/2020 07:21	WG1560160

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

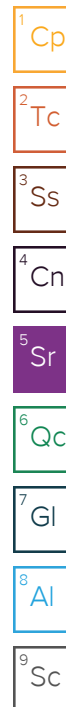
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2020 08:44	WG1560699
Benzene	11.5		0.0471	0.500	500	10/18/2020 15:01	WG1561144
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2020 08:44	WG1560699
Bromoform	U		0.00645	0.0500	50	10/17/2020 08:44	WG1560699
Bromomethane	U		0.0303	0.250	50	10/17/2020 08:44	WG1560699
n-Butylbenzene	U		0.00785	0.0500	50	10/17/2020 08:44	WG1560699
sec-Butylbenzene	U		0.00625	0.0500	50	10/17/2020 08:44	WG1560699
Carbon disulfide	U		0.00481	0.0500	50	10/17/2020 08:44	WG1560699
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2020 08:44	WG1560699
Chlorobenzene	U		0.00580	0.0500	50	10/17/2020 08:44	WG1560699
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2020 08:44	WG1560699
Chloroethane	U		0.00960	0.250	50	10/17/2020 08:44	WG1560699
Chloroform	U		0.00555	0.250	50	10/17/2020 08:44	WG1560699
Chloromethane	U		0.0480	0.125	50	10/17/2020 08:44	WG1560699
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2020 08:44	WG1560699
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2020 08:44	WG1560699

Collected date/time: 10/06/20 15:15

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2020 08:44	WG1560699
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2020 08:44	WG1560699
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2020 08:44	WG1560699
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2020 08:44	WG1560699
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2020 08:44	WG1560699
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	10/17/2020 08:44	WG1560699
trans-1,3-Dichloropropene	U	J4	0.00590	0.0500	50	10/17/2020 08:44	WG1560699
Ethylbenzene	0.584		0.00685	0.0500	50	10/17/2020 08:44	WG1560699
Isopropylbenzene	0.0432	U	0.00525	0.0500	50	10/17/2020 08:44	WG1560699
p-Isopropyltoluene	U		0.00600	0.0500	50	10/17/2020 08:44	WG1560699
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2020 08:44	WG1560699
2-Hexanone	U		0.0394	0.500	50	10/17/2020 08:44	WG1560699
Methylene Chloride	U		0.0215	0.250	50	10/17/2020 08:44	WG1560699
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2020 08:44	WG1560699
Methyl tert-butyl ether	0.0230	U	0.00505	0.0500	50	10/17/2020 08:44	WG1560699
Naphthalene	0.0778	U	0.0500	0.250	50	10/17/2020 08:44	WG1560699
n-Propylbenzene	0.0302	U	0.00497	0.0500	50	10/17/2020 08:44	WG1560699
Styrene	U		0.00590	0.0500	50	10/17/2020 08:44	WG1560699
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2020 08:44	WG1560699
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2020 08:44	WG1560699
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2020 08:44	WG1560699
Toluene	0.0187	U	0.0139	0.0500	50	10/17/2020 08:44	WG1560699
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2020 08:44	WG1560699
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2020 08:44	WG1560699
Trichloroethene	U		0.00950	0.0500	50	10/17/2020 08:44	WG1560699
1,2,4-Trimethylbenzene	0.0572		0.0161	0.0500	50	10/17/2020 08:44	WG1560699
1,3,5-Trimethylbenzene	0.0202	U	0.00520	0.0500	50	10/17/2020 08:44	WG1560699
Vinyl chloride	U		0.0117	0.0500	50	10/17/2020 08:44	WG1560699
o-Xylene	U		0.00870	0.0500	50	10/17/2020 08:44	WG1560699
m&p-Xylene	0.371		0.0215	0.100	50	10/17/2020 08:44	WG1560699
Xylenes, Total	0.371		0.00870	0.150	50	10/17/2020 08:44	WG1560699
(S) Toluene-d8	102			80.0-120		10/17/2020 08:44	WG1560699
(S) Toluene-d8	112			80.0-120		10/18/2020 15:01	WG1561144
(S) 4-Bromofluorobenzene	97.6			77.0-126		10/17/2020 08:44	WG1560699
(S) 4-Bromofluorobenzene	103			77.0-126		10/18/2020 15:01	WG1561144
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		10/17/2020 08:44	WG1560699
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/18/2020 15:01	WG1561144



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9.39		0.0494	0.200	2	10/14/2020 00:34	WG1557498
(S) o-Terphenyl	87.9			31.0-160		10/14/2020 00:34	WG1557498

Collected date/time: 10/06/20 13:35

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2110		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:21	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	339		37.9	100	100	10/14/2020 04:32	WG1557664
Fluoride	1.06		0.0640	0.150	1	10/14/2020 04:14	WG1557664
Sulfate	532		5.94	50.0	10	10/15/2020 05:17	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00299		0.000735	0.00200	1	10/16/2020 01:25	WG1556443
Barium	0.0460		0.00778	0.0200	1	10/16/2020 01:25	WG1556443
Calcium	246		0.480	1.00	1	10/16/2020 01:25	WG1556443
Chromium	0.00151	J	0.00149	0.00200	1	10/16/2020 01:25	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 01:25	WG1556443
Lead	0.00337	J	0.00249	0.00500	1	10/16/2020 01:25	WG1556443
Manganese	0.0141	B	0.00132	0.00500	1	10/16/2020 01:25	WG1556443
Potassium	0.820	J	0.534	2.00	1	10/16/2020 01:25	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 01:25	WG1556443
Sodium	302		0.630	2.00	1	10/16/2020 01:25	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.7		1.57	5.00	50	10/16/2020 07:41	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	93.0			78.0-120		10/16/2020 07:41	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2020 04:21	WG1560784
Benzene	1.60		0.00471	0.0500	50	10/17/2020 04:21	WG1560784
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2020 04:21	WG1560784
Bromoform	U		0.00645	0.0500	50	10/17/2020 04:21	WG1560784
Bromomethane	U		0.0303	0.250	50	10/17/2020 04:21	WG1560784
n-Butylbenzene	U		0.00785	0.0500	50	10/17/2020 04:21	WG1560784
sec-Butylbenzene	0.00816	J	0.00625	0.0500	50	10/17/2020 04:21	WG1560784
Carbon disulfide	0.00858	J	0.00481	0.0500	50	10/17/2020 04:21	WG1560784
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2020 04:21	WG1560784
Chlorobenzene	U		0.00580	0.0500	50	10/17/2020 04:21	WG1560784
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2020 04:21	WG1560784
Chloroethane	U		0.00960	0.250	50	10/17/2020 04:21	WG1560784
Chloroform	U		0.00555	0.250	50	10/17/2020 04:21	WG1560784
Chloromethane	U		0.0480	0.125	50	10/17/2020 04:21	WG1560784
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2020 04:21	WG1560784
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2020 04:21	WG1560784

Collected date/time: 10/06/20 13:35

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

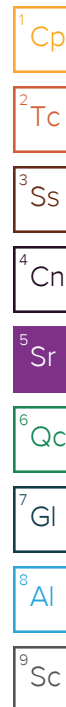
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2020 04:21	WG1560784
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2020 04:21	WG1560784
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2020 04:21	WG1560784
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2020 04:21	WG1560784
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2020 04:21	WG1560784
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	10/17/2020 04:21	WG1560784
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	10/17/2020 04:21	WG1560784
Ethylbenzene	0.0519		0.00685	0.0500	50	10/17/2020 04:21	WG1560784
Isopropylbenzene	0.107		0.00525	0.0500	50	10/17/2020 04:21	WG1560784
p-Isopropyltoluene	0.00659	J	0.00600	0.0500	50	10/17/2020 04:21	WG1560784
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2020 04:21	WG1560784
2-Hexanone	U		0.0394	0.500	50	10/17/2020 04:21	WG1560784
Methylene Chloride	U		0.0215	0.250	50	10/17/2020 04:21	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2020 04:21	WG1560784
Methyl tert-butyl ether	0.0110	J	0.00505	0.0500	50	10/17/2020 04:21	WG1560784
Naphthalene	0.177	J	0.0500	0.250	50	10/17/2020 04:21	WG1560784
n-Propylbenzene	0.110		0.00497	0.0500	50	10/17/2020 04:21	WG1560784
Styrene	U		0.00590	0.0500	50	10/17/2020 04:21	WG1560784
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2020 04:21	WG1560784
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2020 04:21	WG1560784
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2020 04:21	WG1560784
Toluene	0.161		0.0139	0.0500	50	10/17/2020 04:21	WG1560784
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2020 04:21	WG1560784
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2020 04:21	WG1560784
Trichloroethene	U	J4	0.00950	0.0500	50	10/17/2020 04:21	WG1560784
1,2,4-Trimethylbenzene	0.241		0.0161	0.0500	50	10/17/2020 04:21	WG1560784
1,3,5-Trimethylbenzene	0.0191	J	0.00520	0.0500	50	10/17/2020 04:21	WG1560784
Vinyl chloride	U		0.0117	0.0500	50	10/17/2020 04:21	WG1560784
o-Xylene	U		0.00870	0.0500	50	10/17/2020 04:21	WG1560784
m&p-Xylene	0.695		0.0215	0.100	50	10/17/2020 04:21	WG1560784
Xylenes, Total	0.695		0.00870	0.150	50	10/17/2020 04:21	WG1560784
(S) Toluene-d8	100			80.0-120		10/17/2020 04:21	WG1560784
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 04:21	WG1560784
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		10/17/2020 04:21	WG1560784

Sample Narrative:

L1271301-28 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.58		0.0247	0.100	1	10/14/2020 01:00	WG1557498
(S) o-Terphenyl	104			31.0-160		10/14/2020 01:00	WG1557498



Collected date/time: 10/06/20 15:35

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2370		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:23	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	296		7.58	20.0	20	10/14/2020 05:09	WG1557664
Fluoride	1.08		0.0640	0.150	1	10/14/2020 04:51	WG1557664
Sulfate	531		11.9	100	20	10/14/2020 05:09	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0451		0.000735	0.00200	1	10/16/2020 01:29	WG1556443
Barium	0.0535		0.00778	0.0200	1	10/16/2020 01:29	WG1556443
Calcium	304		0.480	1.00	1	10/16/2020 01:29	WG1556443
Chromium	U		0.00149	0.00200	1	10/16/2020 01:29	WG1556443
Iron	U		0.0489	0.100	1	10/16/2020 01:29	WG1556443
Lead	U		0.00249	0.00500	1	10/16/2020 01:29	WG1556443
Manganese	0.00657	B	0.00132	0.00500	1	10/16/2020 01:29	WG1556443
Potassium	1.11	J	0.534	2.00	1	10/16/2020 01:29	WG1556443
Selenium	U		0.000657	0.00200	1	10/16/2020 01:29	WG1556443
Sodium	241		0.630	2.00	1	10/16/2020 01:29	WG1556443

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	7.35		0.628	2.00	20	10/16/2020 07:00	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	91.0			78.0-120		10/16/2020 07:00	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/17/2020 04:00	WG1560784
Benzene	1.24		0.00188	0.0200	20	10/17/2020 04:00	WG1560784
Bromodichloromethane	U		0.00272	0.0200	20	10/17/2020 04:00	WG1560784
Bromoform	U		0.00258	0.0200	20	10/17/2020 04:00	WG1560784
Bromomethane	U		0.0121	0.100	20	10/17/2020 04:00	WG1560784
n-Butylbenzene	0.00412	J	0.00314	0.0200	20	10/17/2020 04:00	WG1560784
sec-Butylbenzene	0.00881	J	0.00250	0.0200	20	10/17/2020 04:00	WG1560784
Carbon disulfide	0.00520	J	0.00192	0.0200	20	10/17/2020 04:00	WG1560784
Carbon tetrachloride	U		0.00256	0.0200	20	10/17/2020 04:00	WG1560784
Chlorobenzene	U		0.00232	0.0200	20	10/17/2020 04:00	WG1560784
Chlorodibromomethane	U		0.00280	0.0200	20	10/17/2020 04:00	WG1560784
Chloroethane	U		0.00384	0.100	20	10/17/2020 04:00	WG1560784
Chloroform	U		0.00222	0.100	20	10/17/2020 04:00	WG1560784
Chloromethane	U		0.0192	0.0500	20	10/17/2020 04:00	WG1560784
1,2-Dibromoethane	U		0.00252	0.0200	20	10/17/2020 04:00	WG1560784
1,1-Dichloroethane	U		0.00200	0.0200	20	10/17/2020 04:00	WG1560784

Collected date/time: 10/06/20 15:35

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

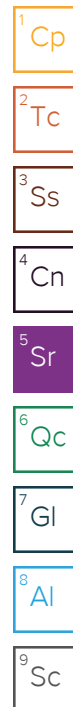
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00164	0.0200	20	10/17/2020 04:00	WG1560784
1,1-Dichloroethene	U		0.00376	0.0200	20	10/17/2020 04:00	WG1560784
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/17/2020 04:00	WG1560784
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/17/2020 04:00	WG1560784
1,2-Dichloropropane	U		0.00298	0.0200	20	10/17/2020 04:00	WG1560784
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/17/2020 04:00	WG1560784
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/17/2020 04:00	WG1560784
Ethylbenzene	0.151		0.00274	0.0200	20	10/17/2020 04:00	WG1560784
Isopropylbenzene	0.0974		0.00210	0.0200	20	10/17/2020 04:00	WG1560784
p-Isopropyltoluene	0.00397	J	0.00240	0.0200	20	10/17/2020 04:00	WG1560784
2-Butanone (MEK)	U		0.0238	0.200	20	10/17/2020 04:00	WG1560784
2-Hexanone	U		0.0157	0.200	20	10/17/2020 04:00	WG1560784
Methylene Chloride	U		0.00860	0.100	20	10/17/2020 04:00	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/17/2020 04:00	WG1560784
Methyl tert-butyl ether	0.0836		0.00202	0.0200	20	10/17/2020 04:00	WG1560784
Naphthalene	0.116		0.0200	0.100	20	10/17/2020 04:00	WG1560784
n-Propylbenzene	0.114		0.00199	0.0200	20	10/17/2020 04:00	WG1560784
Styrene	U		0.00236	0.0200	20	10/17/2020 04:00	WG1560784
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/17/2020 04:00	WG1560784
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/17/2020 04:00	WG1560784
Tetrachloroethene	U		0.00600	0.0200	20	10/17/2020 04:00	WG1560784
Toluene	U		0.00556	0.0200	20	10/17/2020 04:00	WG1560784
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/17/2020 04:00	WG1560784
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/17/2020 04:00	WG1560784
Trichloroethene	U	J4	0.00380	0.0200	20	10/17/2020 04:00	WG1560784
1,2,4-Trimethylbenzene	0.347		0.00644	0.0200	20	10/17/2020 04:00	WG1560784
1,3,5-Trimethylbenzene	0.0783		0.00208	0.0200	20	10/17/2020 04:00	WG1560784
Vinyl chloride	U		0.00468	0.0200	20	10/17/2020 04:00	WG1560784
o-Xylene	0.00538	J	0.00348	0.0200	20	10/17/2020 04:00	WG1560784
m&p-Xylene	0.757		0.00860	0.0400	20	10/17/2020 04:00	WG1560784
Xylenes, Total	0.762		0.00348	0.0600	20	10/17/2020 04:00	WG1560784
(S) Toluene-d8	101			80.0-120		10/17/2020 04:00	WG1560784
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 04:00	WG1560784
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		10/17/2020 04:00	WG1560784

Sample Narrative:

L1271301-29 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.46		0.0247	0.100	1	10/14/2020 01:25	WG1557498
(S) o-Terphenyl	152			31.0-160		10/14/2020 01:25	WG1557498



Collected date/time: 10/06/20 17:05

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1990		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:25	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	408		3.79	10.0	10	10/14/2020 05:46	WG1557664
Fluoride	1.19		0.0640	0.150	1	10/14/2020 05:28	WG1557664
Sulfate	7.39		0.594	5.00	1	10/14/2020 05:28	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00627		0.000735	0.00200	1	10/15/2020 04:06	WG1556445
Barium	12.3		0.0389	0.100	5	10/15/2020 10:48	WG1556445
Calcium	96.8		0.480	1.00	1	10/15/2020 04:06	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:06	WG1556445
Iron	0.0501	J	0.0489	0.100	1	10/15/2020 04:06	WG1556445
Lead	0.00712		0.00249	0.00500	1	10/15/2020 04:06	WG1556445
Manganese	0.0769		0.00132	0.00500	1	10/15/2020 04:06	WG1556445
Potassium	1.29	J	0.534	2.00	1	10/15/2020 04:06	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:06	WG1556445
Sodium	459		0.630	2.00	1	10/15/2020 04:06	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.93		0.314	1.00	10	10/16/2020 06:39	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	89.9			78.0-120		10/16/2020 06:39	WG1560160

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/17/2020 03:39	WG1560784
Benzene	0.915		0.000941	0.0100	10	10/17/2020 03:39	WG1560784
Bromodichloromethane	U		0.00136	0.0100	10	10/17/2020 03:39	WG1560784
Bromoform	U		0.00129	0.0100	10	10/17/2020 03:39	WG1560784
Bromomethane	U		0.00605	0.0500	10	10/17/2020 03:39	WG1560784
n-Butylbenzene	0.00844	J	0.00157	0.0100	10	10/17/2020 03:39	WG1560784
sec-Butylbenzene	0.0128		0.00125	0.0100	10	10/17/2020 03:39	WG1560784
Carbon disulfide	U		0.000962	0.0100	10	10/17/2020 03:39	WG1560784
Carbon tetrachloride	U		0.00128	0.0100	10	10/17/2020 03:39	WG1560784
Chlorobenzene	U		0.00116	0.0100	10	10/17/2020 03:39	WG1560784
Chlorodibromomethane	U		0.00140	0.0100	10	10/17/2020 03:39	WG1560784
Chloroethane	U		0.00192	0.0500	10	10/17/2020 03:39	WG1560784
Chloroform	U		0.00111	0.0500	10	10/17/2020 03:39	WG1560784
Chloromethane	U		0.00960	0.0250	10	10/17/2020 03:39	WG1560784
1,2-Dibromoethane	U		0.00126	0.0100	10	10/17/2020 03:39	WG1560784
1,1-Dichloroethane	U		0.00100	0.0100	10	10/17/2020 03:39	WG1560784

Collected date/time: 10/06/20 17:05

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000819	0.0100	10	10/17/2020 03:39	WG1560784
1,1-Dichloroethene	U		0.00188	0.0100	10	10/17/2020 03:39	WG1560784
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/17/2020 03:39	WG1560784
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/17/2020 03:39	WG1560784
1,2-Dichloropropane	U		0.00149	0.0100	10	10/17/2020 03:39	WG1560784
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/17/2020 03:39	WG1560784
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/17/2020 03:39	WG1560784
Ethylbenzene	0.0264		0.00137	0.0100	10	10/17/2020 03:39	WG1560784
Isopropylbenzene	0.125		0.00105	0.0100	10	10/17/2020 03:39	WG1560784
p-Isopropyltoluene	U		0.00120	0.0100	10	10/17/2020 03:39	WG1560784
2-Butanone (MEK)	U		0.0119	0.100	10	10/17/2020 03:39	WG1560784
2-Hexanone	U		0.00787	0.100	10	10/17/2020 03:39	WG1560784
Methylene Chloride	U		0.00430	0.0500	10	10/17/2020 03:39	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/17/2020 03:39	WG1560784
Methyl tert-butyl ether	0.0751		0.00101	0.0100	10	10/17/2020 03:39	WG1560784
Naphthalene	0.0750		0.0100	0.0500	10	10/17/2020 03:39	WG1560784
n-Propylbenzene	0.153		0.000993	0.0100	10	10/17/2020 03:39	WG1560784
Styrene	U		0.00118	0.0100	10	10/17/2020 03:39	WG1560784
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/17/2020 03:39	WG1560784
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/17/2020 03:39	WG1560784
Tetrachloroethene	U		0.00300	0.0100	10	10/17/2020 03:39	WG1560784
Toluene	U		0.00278	0.0100	10	10/17/2020 03:39	WG1560784
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/17/2020 03:39	WG1560784
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/17/2020 03:39	WG1560784
Trichloroethene	U	J4	0.00190	0.0100	10	10/17/2020 03:39	WG1560784
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/17/2020 03:39	WG1560784
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/17/2020 03:39	WG1560784
Vinyl chloride	U		0.00234	0.0100	10	10/17/2020 03:39	WG1560784
o-Xylene	U		0.00174	0.0100	10	10/17/2020 03:39	WG1560784
m&p-Xylene	U		0.00430	0.0200	10	10/17/2020 03:39	WG1560784
Xylenes, Total	U		0.00174	0.0300	10	10/17/2020 03:39	WG1560784
(S) Toluene-d8	101			80.0-120		10/17/2020 03:39	WG1560784
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 03:39	WG1560784
(S) 1,2-Dichloroethane-d4	98.5			70.0-130		10/17/2020 03:39	WG1560784

Sample Narrative:

L1271301-30 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	17.9		0.247	1.00	10	10/14/2020 18:47	WG1557498
(S) o-Terphenyl	289	J1		31.0-160		10/14/2020 18:47	WG1557498

Sample Narrative:

L1271301-30 WG1557498: Surrogate failure due to matrix interference

Collected date/time: 10/06/20 10:10

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2260		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:26	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	91.5		0.379	1.00	1	10/14/2020 06:05	WG1557664
Fluoride	3.28		0.0640	0.150	1	10/14/2020 06:05	WG1557664
Sulfate	686		11.9	100	20	10/14/2020 06:23	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00755		0.000735	0.00200	1	10/15/2020 04:09	WG1556445
Barium	0.0130	J	0.00778	0.0200	1	10/15/2020 04:09	WG1556445
Calcium	63.8		0.480	1.00	1	10/15/2020 04:09	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:09	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:09	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:09	WG1556445
Manganese	0.0546		0.00132	0.00500	1	10/15/2020 04:09	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:09	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:09	WG1556445
Sodium	655		0.630	2.00	1	10/15/2020 04:09	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.412		0.0314	0.100	1	10/16/2020 06:19	WG1560160
(S) a,a,a-Trifluorotoluene(FID)	95.4			78.0-120		10/16/2020 06:19	WG1560160

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 00:18	WG1560700
Benzene	0.00397		0.0000941	0.00100	1	10/18/2020 09:58	WG1561145
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 00:18	WG1560700
Bromoform	U		0.000129	0.00100	1	10/17/2020 00:18	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/17/2020 00:18	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 00:18	WG1560700
sec-Butylbenzene	0.00199		0.000125	0.00100	1	10/17/2020 00:18	WG1560700
Carbon disulfide	0.000500	J	0.0000962	0.00100	1	10/17/2020 00:18	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 00:18	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 00:18	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 00:18	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/17/2020 00:18	WG1560700
Chloroform	U		0.000111	0.00500	1	10/17/2020 00:18	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/17/2020 00:18	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 00:18	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 00:18	WG1560700

Collected date/time: 10/06/20 10:10

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 00:18	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 00:18	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 00:18	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 00:18	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 00:18	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 00:18	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 00:18	WG1560700
Ethylbenzene	0.00165		0.000137	0.00100	1	10/17/2020 00:18	WG1560700
Isopropylbenzene	0.0123		0.000105	0.00100	1	10/17/2020 00:18	WG1560700
p-Isopropyltoluene	0.000315	J	0.000120	0.00100	1	10/17/2020 00:18	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 00:18	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 00:18	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 00:18	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 00:18	WG1560700
Methyl tert-butyl ether	0.00138		0.000101	0.00100	1	10/17/2020 00:18	WG1560700
Naphthalene	0.00123	J	0.00100	0.00500	1	10/17/2020 00:18	WG1560700
n-Propylbenzene	0.00123		0.0000993	0.00100	1	10/17/2020 00:18	WG1560700
Styrene	U		0.000118	0.00100	1	10/17/2020 00:18	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 00:18	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 00:18	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 00:18	WG1560700
Toluene	0.000978	J	0.000278	0.00100	1	10/17/2020 00:18	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 00:18	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 00:18	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 00:18	WG1560700
1,2,4-Trimethylbenzene	0.00377		0.000322	0.00100	1	10/17/2020 00:18	WG1560700
1,3,5-Trimethylbenzene	0.00119		0.000104	0.00100	1	10/17/2020 00:18	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 00:18	WG1560700
o-Xylene	0.00588		0.000174	0.00100	1	10/17/2020 00:18	WG1560700
m&p-Xylene	0.0115		0.000430	0.00200	1	10/17/2020 00:18	WG1560700
Xylenes, Total	0.0174		0.000174	0.00300	1	10/17/2020 00:18	WG1560700
(S) Toluene-d8	101			80.0-120		10/17/2020 00:18	WG1560700
(S) Toluene-d8	107			80.0-120		10/18/2020 09:58	WG1561145
(S) 4-Bromofluorobenzene	99.5			77.0-126		10/17/2020 00:18	WG1560700
(S) 4-Bromofluorobenzene	99.1			77.0-126		10/18/2020 09:58	WG1561145
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		10/17/2020 00:18	WG1560700
(S) 1,2-Dichloroethane-d4	101			70.0-130		10/18/2020 09:58	WG1561145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.28		0.0247	0.100	1	10/14/2020 03:08	WG1557908
(S) o-Terphenyl	133			31.0-160		10/14/2020 03:08	WG1557908

Collected date/time: 10/06/20 11:05

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3060		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:27	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	195		37.9	100	100	10/14/2020 07:00	WG1557664
Fluoride	1.73		0.0640	0.150	1	10/14/2020 06:42	WG1557664
Sulfate	1300		59.4	500	100	10/15/2020 05:35	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.000795	J	0.000735	0.00200	1	10/15/2020 04:12	WG1556445
Barium	0.0176	J	0.00778	0.0200	1	10/15/2020 04:12	WG1556445
Calcium	515		0.480	1.00	1	10/15/2020 04:12	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:12	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:12	WG1556445
Lead	0.00690		0.00249	0.00500	1	10/15/2020 04:12	WG1556445
Manganese	0.0208		0.00132	0.00500	1	10/15/2020 04:12	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:12	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:12	WG1556445
Sodium	125		0.630	2.00	1	10/15/2020 04:12	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	22.0		0.628	2.00	20	10/16/2020 21:48	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120		10/16/2020 21:48	WG1560609

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2020 04:41	WG1560784
Benzene	1.73		0.00471	0.0500	50	10/17/2020 04:41	WG1560784
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2020 04:41	WG1560784
Bromoform	U		0.00645	0.0500	50	10/17/2020 04:41	WG1560784
Bromomethane	U		0.0303	0.250	50	10/17/2020 04:41	WG1560784
n-Butylbenzene	U		0.00785	0.0500	50	10/17/2020 04:41	WG1560784
sec-Butylbenzene	U		0.00625	0.0500	50	10/17/2020 04:41	WG1560784
Carbon disulfide	0.0133	J	0.00481	0.0500	50	10/17/2020 04:41	WG1560784
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2020 04:41	WG1560784
Chlorobenzene	U		0.00580	0.0500	50	10/17/2020 04:41	WG1560784
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2020 04:41	WG1560784
Chloroethane	U		0.00960	0.250	50	10/17/2020 04:41	WG1560784
Chloroform	U		0.00555	0.250	50	10/17/2020 04:41	WG1560784
Chloromethane	U		0.0480	0.125	50	10/17/2020 04:41	WG1560784
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2020 04:41	WG1560784
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2020 04:41	WG1560784

Collected date/time: 10/06/20 11:05

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2020 04:41	WG1560784
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2020 04:41	WG1560784
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2020 04:41	WG1560784
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2020 04:41	WG1560784
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2020 04:41	WG1560784
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	10/17/2020 04:41	WG1560784
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	10/17/2020 04:41	WG1560784
Ethylbenzene	0.788		0.00685	0.0500	50	10/17/2020 04:41	WG1560784
Isopropylbenzene	0.0840		0.00525	0.0500	50	10/17/2020 04:41	WG1560784
p-Isopropyltoluene	0.0145	J	0.00600	0.0500	50	10/17/2020 04:41	WG1560784
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2020 04:41	WG1560784
2-Hexanone	U		0.0394	0.500	50	10/17/2020 04:41	WG1560784
Methylene Chloride	U		0.0215	0.250	50	10/17/2020 04:41	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2020 04:41	WG1560784
Methyl tert-butyl ether	U		0.00505	0.0500	50	10/17/2020 04:41	WG1560784
Naphthalene	0.207	J	0.0500	0.250	50	10/17/2020 04:41	WG1560784
n-Propylbenzene	0.0916		0.00497	0.0500	50	10/17/2020 04:41	WG1560784
Styrene	U		0.00590	0.0500	50	10/17/2020 04:41	WG1560784
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2020 04:41	WG1560784
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2020 04:41	WG1560784
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2020 04:41	WG1560784
Toluene	0.236		0.0139	0.0500	50	10/17/2020 04:41	WG1560784
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2020 04:41	WG1560784
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2020 04:41	WG1560784
Trichloroethene	U	J4	0.00950	0.0500	50	10/17/2020 04:41	WG1560784
1,2,4-Trimethylbenzene	0.371		0.0161	0.0500	50	10/17/2020 04:41	WG1560784
1,3,5-Trimethylbenzene	0.0820		0.00520	0.0500	50	10/17/2020 04:41	WG1560784
Vinyl chloride	U		0.0117	0.0500	50	10/17/2020 04:41	WG1560784
o-Xylene	0.0254	J	0.00870	0.0500	50	10/17/2020 04:41	WG1560784
m&p-Xylene	1.85		0.0215	0.100	50	10/17/2020 04:41	WG1560784
Xylenes, Total	1.88		0.00870	0.150	50	10/17/2020 04:41	WG1560784
(S) Toluene-d8	100			80.0-120		10/17/2020 04:41	WG1560784
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 04:41	WG1560784
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		10/17/2020 04:41	WG1560784

Sample Narrative:

L1271301-32 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.31		0.0247	0.100	1	10/14/2020 16:40	WG1557908
(S) o-Terphenyl	108			31.0-160		10/14/2020 16:40	WG1557908

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

Collected date/time: 10/06/20 12:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3110		3.75	13.3	1	10/13/2020 17:56	WG1558062

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:28	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	213		37.9	100	100	10/14/2020 08:14	WG1557664
Fluoride	0.865		0.0640	0.150	1	10/14/2020 07:55	WG1557664
Sulfate	980		59.4	500	100	10/15/2020 05:53	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0255		0.000735	0.00200	1	10/15/2020 04:16	WG1556445
Barium	0.0306		0.00778	0.0200	1	10/15/2020 04:16	WG1556445
Calcium	285		0.480	1.00	1	10/15/2020 04:16	WG1556445
Chromium	0.00250		0.00149	0.00200	1	10/15/2020 04:16	WG1556445
Iron	0.161		0.0489	0.100	1	10/15/2020 04:16	WG1556445
Lead	0.00411	J	0.00249	0.00500	1	10/15/2020 04:16	WG1556445
Manganese	0.00472	J	0.00132	0.00500	1	10/15/2020 04:16	WG1556445
Potassium	0.777	J	0.534	2.00	1	10/15/2020 04:16	WG1556445
Selenium	0.000967	J	0.000657	0.00200	1	10/15/2020 04:16	WG1556445
Sodium	318		0.630	2.00	1	10/15/2020 04:16	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	54.4		3.14	10.0	100	10/16/2020 23:03	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		10/16/2020 23:03	WG1560609

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	10/17/2020 05:22	WG1560784
Benzene	14.9		0.0188	0.200	200	10/17/2020 05:22	WG1560784
Bromodichloromethane	U		0.0272	0.200	200	10/17/2020 05:22	WG1560784
Bromoform	U		0.0258	0.200	200	10/17/2020 05:22	WG1560784
Bromomethane	U		0.121	1.00	200	10/17/2020 05:22	WG1560784
n-Butylbenzene	U		0.0314	0.200	200	10/17/2020 05:22	WG1560784
sec-Butylbenzene	U		0.0250	0.200	200	10/17/2020 05:22	WG1560784
Carbon disulfide	U		0.0192	0.200	200	10/17/2020 05:22	WG1560784
Carbon tetrachloride	U		0.0256	0.200	200	10/17/2020 05:22	WG1560784
Chlorobenzene	U		0.0232	0.200	200	10/17/2020 05:22	WG1560784
Chlorodibromomethane	U		0.0280	0.200	200	10/17/2020 05:22	WG1560784
Chloroethane	U		0.0384	1.00	200	10/17/2020 05:22	WG1560784
Chloroform	U		0.0222	1.00	200	10/17/2020 05:22	WG1560784
Chloromethane	U		0.192	0.500	200	10/17/2020 05:22	WG1560784
1,2-Dibromoethane	U		0.0252	0.200	200	10/17/2020 05:22	WG1560784
1,1-Dichloroethane	U		0.0200	0.200	200	10/17/2020 05:22	WG1560784

Collected date/time: 10/06/20 12:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0164	0.200	200	10/17/2020 05:22	WG1560784
1,1-Dichloroethene	U		0.0376	0.200	200	10/17/2020 05:22	WG1560784
cis-1,2-Dichloroethene	U		0.0252	0.200	200	10/17/2020 05:22	WG1560784
trans-1,2-Dichloroethene	U		0.0298	0.200	200	10/17/2020 05:22	WG1560784
1,2-Dichloropropane	U		0.0298	0.200	200	10/17/2020 05:22	WG1560784
cis-1,3-Dichloropropene	U		0.0222	0.200	200	10/17/2020 05:22	WG1560784
trans-1,3-Dichloropropene	U		0.0236	0.200	200	10/17/2020 05:22	WG1560784
Ethylbenzene	0.161	U	0.0274	0.200	200	10/17/2020 05:22	WG1560784
Isopropylbenzene	0.0376	U	0.0210	0.200	200	10/17/2020 05:22	WG1560784
p-Isopropyltoluene	U		0.0240	0.200	200	10/17/2020 05:22	WG1560784
2-Butanone (MEK)	U		0.238	2.00	200	10/17/2020 05:22	WG1560784
2-Hexanone	U		0.157	2.00	200	10/17/2020 05:22	WG1560784
Methylene Chloride	U		0.0860	1.00	200	10/17/2020 05:22	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	10/17/2020 05:22	WG1560784
Methyl tert-butyl ether	0.105	U	0.0202	0.200	200	10/17/2020 05:22	WG1560784
Naphthalene	U		0.200	1.00	200	10/17/2020 05:22	WG1560784
n-Propylbenzene	0.0426	U	0.0199	0.200	200	10/17/2020 05:22	WG1560784
Styrene	U		0.0236	0.200	200	10/17/2020 05:22	WG1560784
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	10/17/2020 05:22	WG1560784
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	10/17/2020 05:22	WG1560784
Tetrachloroethene	U		0.0600	0.200	200	10/17/2020 05:22	WG1560784
Toluene	0.295		0.0556	0.200	200	10/17/2020 05:22	WG1560784
1,1,1-Trichloroethane	U		0.0298	0.200	200	10/17/2020 05:22	WG1560784
1,1,2-Trichloroethane	U		0.0316	0.200	200	10/17/2020 05:22	WG1560784
Trichloroethene	U	U4	0.0380	0.200	200	10/17/2020 05:22	WG1560784
1,2,4-Trimethylbenzene	0.0943	U	0.0644	0.200	200	10/17/2020 05:22	WG1560784
1,3,5-Trimethylbenzene	U		0.0208	0.200	200	10/17/2020 05:22	WG1560784
Vinyl chloride	U		0.0468	0.200	200	10/17/2020 05:22	WG1560784
o-Xylene	0.0359	U	0.0348	0.200	200	10/17/2020 05:22	WG1560784
m&p-Xylene	0.253	U	0.0860	0.400	200	10/17/2020 05:22	WG1560784
Xylenes, Total	0.289	U	0.0348	0.600	200	10/17/2020 05:22	WG1560784
(S) Toluene-d8	102			80.0-120		10/17/2020 05:22	WG1560784
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 05:22	WG1560784
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		10/17/2020 05:22	WG1560784

Sample Narrative:

L1271301-33 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.5		0.123	0.500	5	10/14/2020 20:30	WG1557908
(S) o-Terphenyl	102			31.0-160		10/14/2020 20:30	WG1557908

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	7810		9.39	33.3	1	10/13/2020 17:56	WG1558062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	78.5	V	2.50	5.00	50	10/15/2020 22:00	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	390		37.9	100	100	10/14/2020 08:51	WG1557664
Fluoride	3.64		0.0640	0.150	1	10/14/2020 08:32	WG1557664
Sulfate	4100		59.4	500	100	10/14/2020 08:51	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00301		0.000735	0.00200	1	10/15/2020 04:19	WG1556445
Barium	0.0128	J	0.00778	0.0200	1	10/15/2020 04:19	WG1556445
Calcium	490		0.480	1.00	1	10/15/2020 04:19	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:19	WG1556445
Iron	0.0795	J	0.0489	0.100	1	10/15/2020 04:19	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:19	WG1556445
Manganese	0.450		0.00132	0.00500	1	10/15/2020 04:19	WG1556445
Potassium	4.05		0.534	2.00	1	10/15/2020 04:19	WG1556445
Selenium	0.0377		0.000657	0.00200	1	10/15/2020 04:19	WG1556445
Sodium	682		0.630	2.00	1	10/15/2020 04:19	WG1556445

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 00:38	WG1560700
Benzene	U		0.0000941	0.00100	1	10/18/2020 10:21	WG1561145
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 00:38	WG1560700
Bromoform	U		0.000129	0.00100	1	10/17/2020 00:38	WG1560700
Bromomethane	U	J4	0.000605	0.00500	1	10/17/2020 00:38	WG1560700
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 00:38	WG1560700
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 00:38	WG1560700
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 00:38	WG1560700
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 00:38	WG1560700
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 00:38	WG1560700
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 00:38	WG1560700
Chloroethane	U		0.000192	0.00500	1	10/17/2020 00:38	WG1560700
Chloroform	U		0.000111	0.00500	1	10/17/2020 00:38	WG1560700
Chloromethane	U		0.000960	0.00250	1	10/17/2020 00:38	WG1560700
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 00:38	WG1560700
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 00:38	WG1560700
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 00:38	WG1560700
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 00:38	WG1560700
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 00:38	WG1560700
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 00:38	WG1560700
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 00:38	WG1560700
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 00:38	WG1560700
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 00:38	WG1560700

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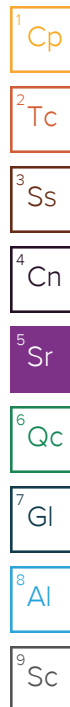
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 00:38	WG1560700
Isopropylbenzene	0.000110	J	0.000105	0.00100	1	10/17/2020 00:38	WG1560700
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 00:38	WG1560700
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 00:38	WG1560700
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 00:38	WG1560700
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 00:38	WG1560700
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 00:38	WG1560700
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 00:38	WG1560700
Naphthalene	U		0.00100	0.00500	1	10/17/2020 00:38	WG1560700
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 00:38	WG1560700
Styrene	U		0.000118	0.00100	1	10/17/2020 00:38	WG1560700
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 00:38	WG1560700
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 00:38	WG1560700
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 00:38	WG1560700
Toluene	U		0.000278	0.00100	1	10/17/2020 00:38	WG1560700
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 00:38	WG1560700
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 00:38	WG1560700
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 00:38	WG1560700
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 00:38	WG1560700
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 00:38	WG1560700
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 00:38	WG1560700
o-Xylene	U		0.000174	0.00100	1	10/17/2020 00:38	WG1560700
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 00:38	WG1560700
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 00:38	WG1560700
(S) Toluene-d8	101			80.0-120		10/17/2020 00:38	WG1560700
(S) Toluene-d8	110			80.0-120		10/18/2020 10:21	WG1561145
(S) 4-Bromofluorobenzene	97.4			77.0-126		10/17/2020 00:38	WG1560700
(S) 4-Bromofluorobenzene	107			77.0-126		10/18/2020 10:21	WG1561145
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		10/17/2020 00:38	WG1560700
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/18/2020 10:21	WG1561145

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.526		0.0247	0.100	1	10/14/2020 08:39	WG1557908
(S) o-Terphenyl	101			31.0-160		10/14/2020 08:39	WG1557908



Collected date/time: 10/06/20 12:45

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2910		3.75	13.3	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:36	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	210		37.9	100	100	10/14/2020 09:27	WG1557664
Fluoride	1.05		0.0640	0.150	1	10/14/2020 09:09	WG1557664
Sulfate	1280		59.4	500	100	10/15/2020 06:11	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00318		0.000735	0.00200	1	10/15/2020 04:22	WG1556445
Barium	0.0163	J	0.00778	0.0200	1	10/15/2020 04:22	WG1556445
Calcium	293		0.480	1.00	1	10/15/2020 04:22	WG1556445
Chromium	0.00157	J	0.00149	0.00200	1	10/15/2020 04:22	WG1556445
Iron	0.495		0.0489	0.100	1	10/15/2020 04:22	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:22	WG1556445
Manganese	0.124		0.00132	0.00500	1	10/15/2020 04:22	WG1556445
Potassium	0.913	J	0.534	2.00	1	10/15/2020 04:22	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:22	WG1556445
Sodium	171		0.630	2.00	1	10/15/2020 04:22	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.498		0.0314	0.100	1	10/16/2020 18:51	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	98.4			78.0-120		10/16/2020 18:51	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 01:36	WG1560784
Benzene	0.00334		0.0000941	0.00100	1	10/17/2020 01:36	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 01:36	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 01:36	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 01:36	WG1560784
n-Butylbenzene	0.000237	J	0.000157	0.00100	1	10/17/2020 01:36	WG1560784
sec-Butylbenzene	0.00644		0.000125	0.00100	1	10/17/2020 01:36	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 01:36	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 01:36	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 01:36	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 01:36	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 01:36	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 01:36	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 01:36	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 01:36	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 01:36	WG1560784

Collected date/time: 10/06/20 12:45

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 01:36	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 01:36	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 01:36	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 01:36	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 01:36	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 01:36	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 01:36	WG1560784
Ethylbenzene	0.000310	J	0.000137	0.00100	1	10/17/2020 01:36	WG1560784
Isopropylbenzene	0.0462		0.000105	0.00100	1	10/17/2020 01:36	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 01:36	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 01:36	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 01:36	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 01:36	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 01:36	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 01:36	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 01:36	WG1560784
n-Propylbenzene	0.00349		0.0000993	0.00100	1	10/17/2020 01:36	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 01:36	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 01:36	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 01:36	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 01:36	WG1560784
Toluene	0.000323	J	0.000278	0.00100	1	10/17/2020 01:36	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 01:36	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 01:36	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 01:36	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 01:36	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 01:36	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 01:36	WG1560784
o-Xylene	0.000349	J	0.000174	0.00100	1	10/17/2020 01:36	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 01:36	WG1560784
Xylenes, Total	0.000349	J	0.000174	0.00300	1	10/17/2020 01:36	WG1560784
(S) Toluene-d8	98.1			80.0-120		10/17/2020 01:36	WG1560784
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 01:36	WG1560784
(S) 1,2-Dichloroethane-d4	99.4			70.0-130		10/17/2020 01:36	WG1560784

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.99		0.0247	0.100	1	10/14/2020 03:59	WG1557908
(S) o-Terphenyl	139			31.0-160		10/14/2020 03:59	WG1557908

Collected date/time: 10/06/20 14:50

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1420		2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:37	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	128		1.90	5.00	5	10/14/2020 10:41	WG1557664
Fluoride	1.15		0.0640	0.150	1	10/14/2020 09:46	WG1557664
Sulfate	69.3	P1	2.97	25.0	5	10/14/2020 10:41	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00207		0.000735	0.00200	1	10/15/2020 04:25	WG1556445
Barium	0.175		0.00778	0.0200	1	10/15/2020 04:25	WG1556445
Calcium	142		0.480	1.00	1	10/15/2020 04:25	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:25	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:25	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:25	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:25	WG1556445
Potassium	1.17	J	0.534	2.00	1	10/15/2020 04:25	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:25	WG1556445
Sodium	218		0.630	2.00	1	10/15/2020 04:25	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	71.6		1.57	5.00	50	10/16/2020 22:38	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	108			78.0-120		10/16/2020 22:38	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/17/2020 05:43	WG1560784
Benzene	0.0424	J	0.0235	0.250	250	10/17/2020 05:43	WG1560784
Bromodichloromethane	U		0.0340	0.250	250	10/17/2020 05:43	WG1560784
Bromoform	U		0.0323	0.250	250	10/17/2020 05:43	WG1560784
Bromomethane	U		0.151	1.25	250	10/17/2020 05:43	WG1560784
n-Butylbenzene	U		0.0393	0.250	250	10/17/2020 05:43	WG1560784
sec-Butylbenzene	U		0.0313	0.250	250	10/17/2020 05:43	WG1560784
Carbon disulfide	U		0.0241	0.250	250	10/17/2020 05:43	WG1560784
Carbon tetrachloride	U		0.0320	0.250	250	10/17/2020 05:43	WG1560784
Chlorobenzene	U		0.0290	0.250	250	10/17/2020 05:43	WG1560784
Chlorodibromomethane	U		0.0350	0.250	250	10/17/2020 05:43	WG1560784
Chloroethane	U		0.0480	1.25	250	10/17/2020 05:43	WG1560784
Chloroform	U		0.0278	1.25	250	10/17/2020 05:43	WG1560784
Chloromethane	U		0.240	0.625	250	10/17/2020 05:43	WG1560784
1,2-Dibromoethane	U		0.0315	0.250	250	10/17/2020 05:43	WG1560784
1,1-Dichloroethane	U		0.0250	0.250	250	10/17/2020 05:43	WG1560784

Collected date/time: 10/06/20 14:50

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0205	0.250	250	10/17/2020 05:43	WG1560784
1,1-Dichloroethene	U		0.0470	0.250	250	10/17/2020 05:43	WG1560784
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/17/2020 05:43	WG1560784
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/17/2020 05:43	WG1560784
1,2-Dichloropropane	U		0.0373	0.250	250	10/17/2020 05:43	WG1560784
cis-1,3-Dichloropropene	U		0.0278	0.250	250	10/17/2020 05:43	WG1560784
trans-1,3-Dichloropropene	U		0.0295	0.250	250	10/17/2020 05:43	WG1560784
Ethylbenzene	U		0.0343	0.250	250	10/17/2020 05:43	WG1560784
Isopropylbenzene	0.0931	J	0.0263	0.250	250	10/17/2020 05:43	WG1560784
p-Isopropyltoluene	U		0.0300	0.250	250	10/17/2020 05:43	WG1560784
2-Butanone (MEK)	U		0.298	2.50	250	10/17/2020 05:43	WG1560784
2-Hexanone	U		0.197	2.50	250	10/17/2020 05:43	WG1560784
Methylene Chloride	U		0.108	1.25	250	10/17/2020 05:43	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/17/2020 05:43	WG1560784
Methyl tert-butyl ether	40.5		0.0253	0.250	250	10/17/2020 05:43	WG1560784
Naphthalene	U		0.250	1.25	250	10/17/2020 05:43	WG1560784
n-Propylbenzene	0.0692	J	0.0248	0.250	250	10/17/2020 05:43	WG1560784
Styrene	U		0.0295	0.250	250	10/17/2020 05:43	WG1560784
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/17/2020 05:43	WG1560784
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/17/2020 05:43	WG1560784
Tetrachloroethene	U		0.0750	0.250	250	10/17/2020 05:43	WG1560784
Toluene	U		0.0695	0.250	250	10/17/2020 05:43	WG1560784
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/17/2020 05:43	WG1560784
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/17/2020 05:43	WG1560784
Trichloroethene	U	J4	0.0475	0.250	250	10/17/2020 05:43	WG1560784
1,2,4-Trimethylbenzene	U		0.0805	0.250	250	10/17/2020 05:43	WG1560784
1,3,5-Trimethylbenzene	U		0.0260	0.250	250	10/17/2020 05:43	WG1560784
Vinyl chloride	U		0.0585	0.250	250	10/17/2020 05:43	WG1560784
o-Xylene	U		0.0435	0.250	250	10/17/2020 05:43	WG1560784
m&p-Xylene	U		0.108	0.500	250	10/17/2020 05:43	WG1560784
Xylenes, Total	U		0.0435	0.750	250	10/17/2020 05:43	WG1560784
(S) Toluene-d8	100			80.0-120		10/17/2020 05:43	WG1560784
(S) 4-Bromofluorobenzene	107			77.0-126		10/17/2020 05:43	WG1560784
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		10/17/2020 05:43	WG1560784

Sample Narrative:

L1271301-36 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.91		0.0247	0.100	1	10/14/2020 16:14	WG1557908
(S) o-Terphenyl	107			31.0-160		10/14/2020 16:14	WG1557908

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

Collected date/time: 10/06/20 11:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1450		2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:39	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	71.7		0.379	1.00	1	10/14/2020 11:55	WG1557664
Fluoride	1.36		0.0640	0.150	1	10/14/2020 11:55	WG1557664
Sulfate	702		11.9	100	20	10/14/2020 12:13	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00192	J	0.000735	0.00200	1	10/15/2020 04:29	WG1556445
Barium	0.0238		0.00778	0.0200	1	10/15/2020 04:29	WG1556445
Calcium	241		0.480	1.00	1	10/15/2020 04:29	WG1556445
Chromium	0.00210		0.00149	0.00200	1	10/15/2020 04:29	WG1556445
Iron	0.312		0.0489	0.100	1	10/15/2020 04:29	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:29	WG1556445
Manganese	0.0245		0.00132	0.00500	1	10/15/2020 04:29	WG1556445
Potassium	5.28		0.534	2.00	1	10/15/2020 04:29	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:29	WG1556445
Sodium	73.7		0.630	2.00	1	10/15/2020 04:29	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.15		0.0314	0.100	1	10/16/2020 19:16	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		10/16/2020 19:16	WG1560609

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 01:57	WG1560784
Benzene	0.00631		0.0000941	0.00100	1	10/17/2020 01:57	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 01:57	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 01:57	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 01:57	WG1560784
n-Butylbenzene	0.000164	J	0.000157	0.00100	1	10/17/2020 01:57	WG1560784
sec-Butylbenzene	0.0389		0.000125	0.00100	1	10/17/2020 01:57	WG1560784
Carbon disulfide	0.000721	J	0.0000962	0.00100	1	10/17/2020 01:57	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 01:57	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 01:57	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 01:57	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 01:57	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 01:57	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 01:57	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 01:57	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 01:57	WG1560784

Collected date/time: 10/06/20 11:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 01:57	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 01:57	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 01:57	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 01:57	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 01:57	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 01:57	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 01:57	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 01:57	WG1560784
Isopropylbenzene	0.0221		0.000105	0.00100	1	10/17/2020 01:57	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 01:57	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 01:57	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 01:57	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 01:57	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 01:57	WG1560784
Methyl tert-butyl ether	0.000506	U	0.000101	0.00100	1	10/17/2020 01:57	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 01:57	WG1560784
n-Propylbenzene	0.00195		0.0000993	0.00100	1	10/17/2020 01:57	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 01:57	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 01:57	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 01:57	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 01:57	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 01:57	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 01:57	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 01:57	WG1560784
Trichloroethene	U	U4	0.000190	0.00100	1	10/17/2020 01:57	WG1560784
1,2,4-Trimethylbenzene	0.000351	U	0.000322	0.00100	1	10/17/2020 01:57	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 01:57	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 01:57	WG1560784
o-Xylene	0.000193	U	0.000174	0.00100	1	10/17/2020 01:57	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 01:57	WG1560784
Xylenes, Total	0.000193	U	0.000174	0.00300	1	10/17/2020 01:57	WG1560784
(S) Toluene-d8	85.0			80.0-120		10/17/2020 01:57	WG1560784
(S) 4-Bromofluorobenzene	86.3			77.0-126		10/17/2020 01:57	WG1560784
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		10/17/2020 01:57	WG1560784

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.10		0.0247	0.100	1	10/14/2020 04:24	WG1557908
(S) o-Terphenyl	111			31.0-160		10/14/2020 04:24	WG1557908

Collected date/time: 10/06/20 12:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4970		5.64	20.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.39		0.0500	0.100	1	10/15/2020 21:40	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	366		3.79	10.0	10	10/14/2020 12:32	WG1557664
Fluoride	1.32	J	0.640	1.50	10	10/14/2020 12:32	WG1557664
Sulfate	2530		59.4	500	100	10/14/2020 12:50	WG1557664

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00356		0.000735	0.00200	1	10/15/2020 04:32	WG1556445
Barium	0.0101	J	0.00778	0.0200	1	10/15/2020 04:32	WG1556445
Calcium	503		0.480	1.00	1	10/15/2020 04:32	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:32	WG1556445
Iron	0.0671	J	0.0489	0.100	1	10/15/2020 04:32	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:32	WG1556445
Manganese	0.0339		0.00132	0.00500	1	10/15/2020 04:32	WG1556445
Potassium	1.64	J	0.534	2.00	1	10/15/2020 04:32	WG1556445
Selenium	0.00527		0.000657	0.00200	1	10/15/2020 04:32	WG1556445
Sodium	251		0.630	2.00	1	10/15/2020 04:32	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 19:42	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		10/16/2020 19:42	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 02:17	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 02:17	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 02:17	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 02:17	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 02:17	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 02:17	WG1560784
sec-Butylbenzene	0.000176	J	0.000125	0.00100	1	10/17/2020 02:17	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 02:17	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 02:17	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 02:17	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 02:17	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 02:17	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 02:17	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 02:17	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 02:17	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 02:17	WG1560784

Collected date/time: 10/06/20 12:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 02:17	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 02:17	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 02:17	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 02:17	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 02:17	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 02:17	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 02:17	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 02:17	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 02:17	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 02:17	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 02:17	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 02:17	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 02:17	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 02:17	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 02:17	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 02:17	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 02:17	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 02:17	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 02:17	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 02:17	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 02:17	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 02:17	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 02:17	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 02:17	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 02:17	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 02:17	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 02:17	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 02:17	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 02:17	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 02:17	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 02:17	WG1560784
(S) Toluene-d8	98.2			80.0-120		10/17/2020 02:17	WG1560784
(S) 4-Bromofluorobenzene	104			77.0-126		10/17/2020 02:17	WG1560784
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		10/17/2020 02:17	WG1560784

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.129		0.0247	0.100	1	10/14/2020 08:13	WG1557908
(S) o-Terphenyl	97.9			31.0-160		10/14/2020 08:13	WG1557908

Collected date/time: 10/07/20 08:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3660		5.64	20.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:41	WG1559002

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.0180	0.0500	10	10/16/2020 00:39	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	219		3.79	10.0	10	10/14/2020 13:09	WG1557664
Fluoride	1.21	J	0.640	1.50	10	10/14/2020 13:09	WG1557664
Sulfate	1780		59.4	500	100	10/14/2020 13:27	WG1557664

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:57	WG1556621

Metals (ICP) by Method 6010B

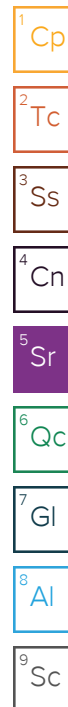
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.461		0.0254	0.200	1	10/12/2020 21:49	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00634		0.000735	0.00200	1	10/15/2020 04:42	WG1556445
Barium	0.0193	J	0.00778	0.0200	1	10/15/2020 04:42	WG1556445
Cadmium	U		0.000478	0.00100	1	10/15/2020 04:42	WG1556445
Calcium	401		0.480	1.00	1	10/15/2020 04:42	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:42	WG1556445
Cobalt	U		0.000477	0.00200	1	10/15/2020 04:42	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:42	WG1556445
Lead	0.00319	J	0.00249	0.00500	1	10/15/2020 04:42	WG1556445
Manganese	0.222		0.00132	0.00500	1	10/15/2020 04:42	WG1556445
Nickel	0.00110	J	0.000952	0.00200	1	10/15/2020 04:42	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:42	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:42	WG1556445
Sodium	190		0.630	2.00	1	10/15/2020 04:42	WG1556445
Uranium	U		0.00754	0.0200	1	10/15/2020 04:42	WG1556445
Vanadium	U		0.000986	0.00500	1	10/15/2020 04:42	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.587		0.0314	0.100	1	10/16/2020 20:07	WG1560609



Collected date/time: 10/07/20 08:00

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		10/16/2020 20:07	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2020 06:49	WG1560896
Benzene	0.00279	B	0.0000941	0.00100	1	10/18/2020 06:49	WG1560896
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2020 06:49	WG1560896
Bromoform	U		0.000129	0.00100	1	10/18/2020 06:49	WG1560896
Bromomethane	U		0.000605	0.00500	1	10/18/2020 06:49	WG1560896
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2020 06:49	WG1560896
sec-Butylbenzene	0.00303		0.000125	0.00100	1	10/18/2020 06:49	WG1560896
Carbon disulfide	0.000755	B J	0.0000962	0.00100	1	10/18/2020 06:49	WG1560896
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2020 06:49	WG1560896
Chlorobenzene	U		0.000116	0.00100	1	10/18/2020 06:49	WG1560896
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2020 06:49	WG1560896
Chloroethane	U		0.000192	0.00500	1	10/18/2020 06:49	WG1560896
Chloroform	U		0.000111	0.00500	1	10/18/2020 06:49	WG1560896
Chloromethane	U		0.000960	0.00250	1	10/18/2020 06:49	WG1560896
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2020 06:49	WG1560896
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2020 06:49	WG1560896
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2020 06:49	WG1560896
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2020 06:49	WG1560896
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2020 06:49	WG1560896
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2020 06:49	WG1560896
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2020 06:49	WG1560896
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2020 06:49	WG1560896
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2020 06:49	WG1560896
Ethylbenzene	0.000472	J	0.000137	0.00100	1	10/18/2020 06:49	WG1560896
Isopropylbenzene	0.0231		0.000105	0.00100	1	10/18/2020 06:49	WG1560896
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2020 06:49	WG1560896
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2020 06:49	WG1560896
2-Hexanone	U		0.000787	0.0100	1	10/18/2020 06:49	WG1560896
Methylene Chloride	U		0.000430	0.00500	1	10/18/2020 06:49	WG1560896
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2020 06:49	WG1560896
Methyl tert-butyl ether	0.000180	J	0.000101	0.00100	1	10/18/2020 06:49	WG1560896
Naphthalene	U	J4	0.00100	0.00500	1	10/18/2020 06:49	WG1560896
n-Propylbenzene	0.00136		0.0000993	0.00100	1	10/18/2020 06:49	WG1560896
Styrene	U		0.000118	0.00100	1	10/18/2020 06:49	WG1560896
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2020 06:49	WG1560896
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2020 06:49	WG1560896
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2020 06:49	WG1560896
Toluene	U		0.000278	0.00100	1	10/18/2020 06:49	WG1560896
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2020 06:49	WG1560896
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2020 06:49	WG1560896
Trichloroethene	U		0.000190	0.00100	1	10/18/2020 06:49	WG1560896
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2020 06:49	WG1560896
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2020 06:49	WG1560896
Vinyl chloride	U		0.000234	0.00100	1	10/18/2020 06:49	WG1560896
o-Xylene	U		0.000174	0.00100	1	10/18/2020 06:49	WG1560896
m&p-Xylene	0.00224		0.000430	0.00200	1	10/18/2020 06:49	WG1560896
Xylenes, Total	0.00224	J	0.000174	0.00300	1	10/18/2020 06:49	WG1560896
(S) Toluene-d8	107			80.0-120		10/18/2020 06:49	WG1560896
(S) 4-Bromofluorobenzene	104			77.0-126		10/18/2020 06:49	WG1560896
(S) 1,2-Dichloroethane-d4	101			70.0-130		10/18/2020 06:49	WG1560896

Collected date/time: 10/07/20 08:00

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.930		0.0247	0.100	1	10/15/2020 09:05	WG1557911
(S) o-Terphenyl	107			31.0-160		10/15/2020 09:05	WG1557911

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

Collected date/time: 10/06/20 12:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3760		3.75	13.3	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	7.25		0.250	0.500	5	10/15/2020 21:42	WG1559002

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	0.0565		0.00180	0.00500	1	10/16/2020 00:42	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	126		37.9	100	100	10/14/2020 14:04	WG1557664
Fluoride	0.395		0.0640	0.150	1	10/14/2020 13:45	WG1557664
Sulfate	2140		59.4	500	100	10/14/2020 14:04	WG1557664

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 09:59	WG1556621

Metals (ICP) by Method 6010B

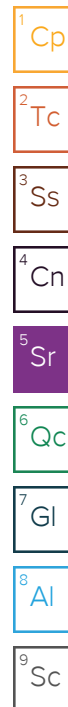
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.577		0.0254	0.200	1	10/12/2020 21:52	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00173	J	0.000735	0.00200	1	10/15/2020 04:45	WG1556445
Barium	0.00955	J	0.00778	0.0200	1	10/15/2020 04:45	WG1556445
Cadmium	U		0.000478	0.00100	1	10/15/2020 04:45	WG1556445
Calcium	533		0.480	1.00	1	10/15/2020 04:45	WG1556445
Chromium	0.00173	J	0.00149	0.00200	1	10/15/2020 04:45	WG1556445
Cobalt	U		0.000477	0.00200	1	10/15/2020 04:45	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:45	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:45	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:45	WG1556445
Nickel	U		0.000952	0.00200	1	10/15/2020 04:45	WG1556445
Potassium	0.642	J	0.534	2.00	1	10/15/2020 04:45	WG1556445
Selenium	0.00269		0.000657	0.00200	1	10/15/2020 04:45	WG1556445
Sodium	141		0.630	2.00	1	10/15/2020 04:45	WG1556445
Uranium	0.0268		0.00754	0.0200	1	10/15/2020 04:45	WG1556445
Vanadium	0.0134		0.000986	0.00500	1	10/15/2020 04:45	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 20:32	WG1560609



Collected date/time: 10/06/20 12:00

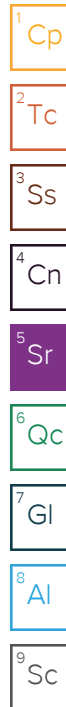
L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	108			78.0-120		10/16/2020 20:32	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 02:37	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 02:37	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 02:37	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 02:37	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 02:37	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 02:37	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 02:37	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 02:37	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 02:37	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 02:37	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 02:37	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 02:37	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 02:37	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 02:37	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 02:37	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 02:37	WG1560784
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 02:37	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 02:37	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 02:37	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 02:37	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 02:37	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 02:37	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 02:37	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 02:37	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 02:37	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 02:37	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 02:37	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 02:37	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 02:37	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 02:37	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 02:37	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 02:37	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 02:37	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 02:37	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 02:37	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 02:37	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 02:37	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 02:37	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 02:37	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 02:37	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 02:37	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 02:37	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 02:37	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 02:37	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 02:37	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 02:37	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 02:37	WG1560784
(S) Toluene-d8	101			80.0-120		10/17/2020 02:37	WG1560784
(S) 4-Bromofluorobenzene	109			77.0-126		10/17/2020 02:37	WG1560784
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		10/17/2020 02:37	WG1560784



Collected date/time: 10/06/20 12:00

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0684	J	0.0247	0.100	1	10/14/2020 05:15	WG1557908
(S) o-Terphenyl	101			31.0-160		10/14/2020 05:15	WG1557908

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

Collected date/time: 10/06/20 02:20

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	6.00	J	2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:44	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	0.501	J	0.379	1.00	1	10/15/2020 00:30	WG1557662
Fluoride	U		0.0640	0.150	1	10/15/2020 00:30	WG1557662
Sulfate	0.714	J	0.594	5.00	1	10/15/2020 00:30	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/15/2020 04:48	WG1556445
Barium	U		0.00778	0.0200	1	10/15/2020 04:48	WG1556445
Calcium	U		0.480	1.00	1	10/15/2020 04:48	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:48	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:48	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:48	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:48	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:48	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:48	WG1556445
Sodium	U		0.630	2.00	1	10/15/2020 04:48	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 17:10	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120		10/16/2020 17:10	WG1560609

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

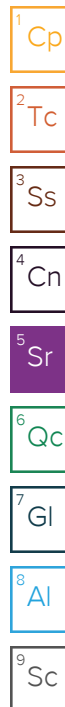
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 00:35	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 00:35	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 00:35	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 00:35	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 00:35	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 00:35	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 00:35	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 00:35	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 00:35	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 00:35	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 00:35	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 00:35	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 00:35	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 00:35	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 00:35	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 00:35	WG1560784

Collected date/time: 10/06/20 02:20

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 00:35	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 00:35	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 00:35	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 00:35	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 00:35	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 00:35	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 00:35	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 00:35	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 00:35	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 00:35	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 00:35	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 00:35	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 00:35	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 00:35	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 00:35	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 00:35	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 00:35	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 00:35	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 00:35	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 00:35	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 00:35	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 00:35	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 00:35	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 00:35	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 00:35	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 00:35	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 00:35	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 00:35	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 00:35	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 00:35	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 00:35	WG1560784
(S) Toluene-d8	102			80.0-120		10/17/2020 00:35	WG1560784
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 00:35	WG1560784
(S) 1,2-Dichloroethane-d4	99.0			70.0-130		10/17/2020 00:35	WG1560784



Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0432	J	0.0247	0.100	1	10/14/2020 05:40	WG1557908
(S) o-Terphenyl	96.3			31.0-160		10/14/2020 05:40	WG1557908

Collected date/time: 10/06/20 06:50

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5.00	J	2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:45	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.468	J	0.379	1.00	1	10/15/2020 00:48	WG1557662
Fluoride	U		0.0640	0.150	1	10/15/2020 00:48	WG1557662
Sulfate	U		0.594	5.00	1	10/15/2020 00:48	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/15/2020 04:51	WG1556445
Barium	U		0.00778	0.0200	1	10/15/2020 04:51	WG1556445
Calcium	U		0.480	1.00	1	10/15/2020 04:51	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:51	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:51	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:51	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:51	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:51	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:51	WG1556445
Sodium	U		0.630	2.00	1	10/15/2020 04:51	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 17:35	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		10/16/2020 17:35	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 00:55	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 00:55	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 00:55	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 00:55	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 00:55	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 00:55	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 00:55	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 00:55	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 00:55	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 00:55	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 00:55	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 00:55	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 00:55	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 00:55	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 00:55	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 00:55	WG1560784

Collected date/time: 10/06/20 06:50

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 00:55	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 00:55	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 00:55	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 00:55	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 00:55	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 00:55	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 00:55	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 00:55	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 00:55	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 00:55	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 00:55	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 00:55	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 00:55	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 00:55	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 00:55	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 00:55	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 00:55	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 00:55	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 00:55	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 00:55	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 00:55	WG1560784
Toluene	0.000304	J	0.000278	0.00100	1	10/17/2020 00:55	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 00:55	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 00:55	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 00:55	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 00:55	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 00:55	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 00:55	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 00:55	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 00:55	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 00:55	WG1560784
(S) Toluene-d8	103			80.0-120		10/17/2020 00:55	WG1560784
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 00:55	WG1560784
(S) 1,2-Dichloroethane-d4	101			70.0-130		10/17/2020 00:55	WG1560784

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0467	J	0.0247	0.100	1	10/14/2020 06:06	WG1557908
(S) o-Terphenyl	98.4			31.0-160		10/14/2020 06:06	WG1557908

Collected date/time: 10/07/20 10:45

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:50	WG1559002

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:43	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	0.461	J	0.379	1.00	1	10/15/2020 01:06	WG1557662
Fluoride	U		0.0640	0.150	1	10/15/2020 01:06	WG1557662
Sulfate	U		0.594	5.00	1	10/15/2020 01:06	WG1557662

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 10:01	WG1556621

Metals (ICP) by Method 6010B

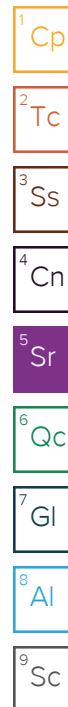
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	U		0.0254	0.200	1	10/12/2020 21:55	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/15/2020 04:55	WG1556445
Barium	U		0.00778	0.0200	1	10/15/2020 04:55	WG1556445
Cadmium	U		0.000478	0.00100	1	10/15/2020 04:55	WG1556445
Calcium	U		0.480	1.00	1	10/15/2020 04:55	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:55	WG1556445
Cobalt	U		0.000477	0.00200	1	10/15/2020 04:55	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:55	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:55	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:55	WG1556445
Nickel	U		0.000952	0.00200	1	10/15/2020 04:55	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:55	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:55	WG1556445
Sodium	U		0.630	2.00	1	10/15/2020 04:55	WG1556445
Uranium	U		0.00754	0.0200	1	10/15/2020 04:55	WG1556445
Vanadium	U		0.000986	0.00500	1	10/15/2020 04:55	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 18:01	WG1560609



Collected date/time: 10/07/20 10:45

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		10/16/2020 18:01	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2020 04:21	WG1560896
Benzene	0.000931	B J	0.0000941	0.00100	1	10/18/2020 04:21	WG1560896
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2020 04:21	WG1560896
Bromoform	U		0.000129	0.00100	1	10/18/2020 04:21	WG1560896
Bromomethane	U		0.000605	0.00500	1	10/18/2020 04:21	WG1560896
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2020 04:21	WG1560896
sec-Butylbenzene	U		0.000125	0.00100	1	10/18/2020 04:21	WG1560896
Carbon disulfide	0.000347	B J	0.0000962	0.00100	1	10/18/2020 04:21	WG1560896
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2020 04:21	WG1560896
Chlorobenzene	U		0.000116	0.00100	1	10/18/2020 04:21	WG1560896
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2020 04:21	WG1560896
Chloroethane	U		0.000192	0.00500	1	10/18/2020 04:21	WG1560896
Chloroform	U		0.000111	0.00500	1	10/18/2020 04:21	WG1560896
Chloromethane	U		0.000960	0.00250	1	10/18/2020 04:21	WG1560896
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2020 04:21	WG1560896
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2020 04:21	WG1560896
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2020 04:21	WG1560896
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2020 04:21	WG1560896
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2020 04:21	WG1560896
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2020 04:21	WG1560896
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2020 04:21	WG1560896
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2020 04:21	WG1560896
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2020 04:21	WG1560896
Ethylbenzene	U		0.000137	0.00100	1	10/18/2020 04:21	WG1560896
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2020 04:21	WG1560896
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2020 04:21	WG1560896
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2020 04:21	WG1560896
2-Hexanone	U		0.000787	0.0100	1	10/18/2020 04:21	WG1560896
Methylene Chloride	U		0.000430	0.00500	1	10/18/2020 04:21	WG1560896
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2020 04:21	WG1560896
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/18/2020 04:21	WG1560896
Naphthalene	U	J4	0.00100	0.00500	1	10/18/2020 04:21	WG1560896
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2020 04:21	WG1560896
Styrene	U		0.000118	0.00100	1	10/18/2020 04:21	WG1560896
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2020 04:21	WG1560896
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2020 04:21	WG1560896
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2020 04:21	WG1560896
Toluene	U		0.000278	0.00100	1	10/18/2020 04:21	WG1560896
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2020 04:21	WG1560896
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2020 04:21	WG1560896
Trichloroethene	U		0.000190	0.00100	1	10/18/2020 04:21	WG1560896
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2020 04:21	WG1560896
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2020 04:21	WG1560896
Vinyl chloride	U		0.000234	0.00100	1	10/18/2020 04:21	WG1560896
o-Xylene	U		0.000174	0.00100	1	10/18/2020 04:21	WG1560896
m&p-Xylene	U		0.000430	0.00200	1	10/18/2020 04:21	WG1560896
Xylenes, Total	U		0.000174	0.00300	1	10/18/2020 04:21	WG1560896
(S) Toluene-d8	109			80.0-120		10/18/2020 04:21	WG1560896
(S) 4-Bromofluorobenzene	105			77.0-126		10/18/2020 04:21	WG1560896
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/18/2020 04:21	WG1560896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/07/20 10:45

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0373	<u>BJ</u>	0.0247	0.100	1	10/15/2020 09:25	WG1557911
(S) o-Terphenyl	88.4			31.0-160		10/15/2020 09:25	WG1557911

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 10/06/20 10:35

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:51	WG1559002

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 00:44	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U	P1	0.379	1.00	1	10/15/2020 02:00	WG1557662
Fluoride	U		0.0640	0.150	1	10/15/2020 02:00	WG1557662
Sulfate	U		0.594	5.00	1	10/15/2020 02:00	WG1557662

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 10:03	WG1556621

Metals (ICP) by Method 6010B

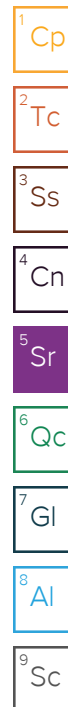
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	U		0.0254	0.200	1	10/12/2020 21:57	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/15/2020 04:58	WG1556445
Barium	U		0.00778	0.0200	1	10/15/2020 04:58	WG1556445
Cadmium	U		0.000478	0.00100	1	10/15/2020 04:58	WG1556445
Calcium	U		0.480	1.00	1	10/15/2020 04:58	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 04:58	WG1556445
Cobalt	U		0.000477	0.00200	1	10/15/2020 04:58	WG1556445
Iron	U		0.0489	0.100	1	10/15/2020 04:58	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 04:58	WG1556445
Manganese	U		0.00132	0.00500	1	10/15/2020 04:58	WG1556445
Nickel	U		0.000952	0.00200	1	10/15/2020 04:58	WG1556445
Potassium	U		0.534	2.00	1	10/15/2020 04:58	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 04:58	WG1556445
Sodium	U		0.630	2.00	1	10/15/2020 04:58	WG1556445
Uranium	U		0.00754	0.0200	1	10/15/2020 04:58	WG1556445
Vanadium	U		0.000986	0.00500	1	10/15/2020 04:58	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/16/2020 18:26	WG1560609



Collected date/time: 10/06/20 10:35

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120		10/16/2020 18:26	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 01:16	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 01:16	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 01:16	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 01:16	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 01:16	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 01:16	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 01:16	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 01:16	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 01:16	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 01:16	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 01:16	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 01:16	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 01:16	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 01:16	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 01:16	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 01:16	WG1560784
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 01:16	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 01:16	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 01:16	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 01:16	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 01:16	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 01:16	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 01:16	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 01:16	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 01:16	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 01:16	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 01:16	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 01:16	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 01:16	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 01:16	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 01:16	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 01:16	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 01:16	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 01:16	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 01:16	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 01:16	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 01:16	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 01:16	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 01:16	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 01:16	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 01:16	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 01:16	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 01:16	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 01:16	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 01:16	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 01:16	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 01:16	WG1560784
(S) Toluene-d8	100			80.0-120		10/17/2020 01:16	WG1560784
(S) 4-Bromofluorobenzene	107			77.0-126		10/17/2020 01:16	WG1560784
(S) 1,2-Dichloroethane-d4	101			70.0-130		10/17/2020 01:16	WG1560784

Collected date/time: 10/06/20 10:35

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0392	J	0.0247	0.100	1	10/14/2020 06:31	WG1557908
(S) o-Terphenyl	98.4			31.0-160		10/14/2020 06:31	WG1557908

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 00:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 23:07	WG1560784
Benzene	U		0.0000941	0.00100	1	10/16/2020 23:07	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 23:07	WG1560784
Bromoform	U		0.000129	0.00100	1	10/16/2020 23:07	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/16/2020 23:07	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 23:07	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 23:07	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 23:07	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 23:07	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 23:07	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 23:07	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/16/2020 23:07	WG1560784
Chloroform	U		0.000111	0.00500	1	10/16/2020 23:07	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/16/2020 23:07	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 23:07	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 23:07	WG1560784
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 23:07	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 23:07	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 23:07	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 23:07	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 23:07	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 23:07	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 23:07	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 23:07	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 23:07	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 23:07	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 23:07	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 23:07	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 23:07	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 23:07	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 23:07	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/16/2020 23:07	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 23:07	WG1560784
Styrene	U		0.000118	0.00100	1	10/16/2020 23:07	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 23:07	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 23:07	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 23:07	WG1560784
Toluene	U		0.000278	0.00100	1	10/16/2020 23:07	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 23:07	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 23:07	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 23:07	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 23:07	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 23:07	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 23:07	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/16/2020 23:07	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 23:07	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 23:07	WG1560784
(S) Toluene-d8	102			80.0-120		10/16/2020 23:07	WG1560784
(S) 4-Bromofluorobenzene	102			77.0-126		10/16/2020 23:07	WG1560784
(S) 1,2-Dichloroethane-d4	94.7			70.0-130		10/16/2020 23:07	WG1560784

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 00:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2020 23:28	WG1560784
Benzene	U		0.0000941	0.00100	1	10/16/2020 23:28	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2020 23:28	WG1560784
Bromoform	U		0.000129	0.00100	1	10/16/2020 23:28	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/16/2020 23:28	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2020 23:28	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2020 23:28	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2020 23:28	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2020 23:28	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/16/2020 23:28	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2020 23:28	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/16/2020 23:28	WG1560784
Chloroform	U		0.000111	0.00500	1	10/16/2020 23:28	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/16/2020 23:28	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2020 23:28	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2020 23:28	WG1560784
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2020 23:28	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2020 23:28	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2020 23:28	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2020 23:28	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2020 23:28	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2020 23:28	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2020 23:28	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/16/2020 23:28	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2020 23:28	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2020 23:28	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2020 23:28	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/16/2020 23:28	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/16/2020 23:28	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2020 23:28	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2020 23:28	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/16/2020 23:28	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2020 23:28	WG1560784
Styrene	U		0.000118	0.00100	1	10/16/2020 23:28	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2020 23:28	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2020 23:28	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2020 23:28	WG1560784
Toluene	U		0.000278	0.00100	1	10/16/2020 23:28	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2020 23:28	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2020 23:28	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/16/2020 23:28	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2020 23:28	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2020 23:28	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/16/2020 23:28	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/16/2020 23:28	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/16/2020 23:28	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/16/2020 23:28	WG1560784
(S) Toluene-d8	99.1			80.0-120		10/16/2020 23:28	WG1560784
(S) 4-Bromofluorobenzene	101			77.0-126		10/16/2020 23:28	WG1560784
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		10/16/2020 23:28	WG1560784

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/07/20 00:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2020 04:42	WG1560896
Benzene	0.000496	B J	0.0000941	0.00100	1	10/18/2020 04:42	WG1560896
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2020 04:42	WG1560896
Bromoform	U		0.000129	0.00100	1	10/18/2020 04:42	WG1560896
Bromomethane	U		0.000605	0.00500	1	10/18/2020 04:42	WG1560896
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2020 04:42	WG1560896
sec-Butylbenzene	U		0.000125	0.00100	1	10/18/2020 04:42	WG1560896
Carbon disulfide	0.000393	B J	0.0000962	0.00100	1	10/18/2020 04:42	WG1560896
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2020 04:42	WG1560896
Chlorobenzene	U		0.000116	0.00100	1	10/18/2020 04:42	WG1560896
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2020 04:42	WG1560896
Chloroethane	U		0.000192	0.00500	1	10/18/2020 04:42	WG1560896
Chloroform	U		0.000111	0.00500	1	10/18/2020 04:42	WG1560896
Chloromethane	U		0.000960	0.00250	1	10/18/2020 04:42	WG1560896
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2020 04:42	WG1560896
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2020 04:42	WG1560896
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2020 04:42	WG1560896
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2020 04:42	WG1560896
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2020 04:42	WG1560896
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2020 04:42	WG1560896
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2020 04:42	WG1560896
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2020 04:42	WG1560896
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2020 04:42	WG1560896
Ethylbenzene	U		0.000137	0.00100	1	10/18/2020 04:42	WG1560896
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2020 04:42	WG1560896
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2020 04:42	WG1560896
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2020 04:42	WG1560896
2-Hexanone	U		0.000787	0.0100	1	10/18/2020 04:42	WG1560896
Methylene Chloride	U		0.000430	0.00500	1	10/18/2020 04:42	WG1560896
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2020 04:42	WG1560896
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/18/2020 04:42	WG1560896
Naphthalene	U	J4	0.00100	0.00500	1	10/18/2020 04:42	WG1560896
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2020 04:42	WG1560896
Styrene	U		0.000118	0.00100	1	10/18/2020 04:42	WG1560896
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2020 04:42	WG1560896
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2020 04:42	WG1560896
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2020 04:42	WG1560896
Toluene	U		0.000278	0.00100	1	10/18/2020 04:42	WG1560896
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2020 04:42	WG1560896
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2020 04:42	WG1560896
Trichloroethene	U		0.000190	0.00100	1	10/18/2020 04:42	WG1560896
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2020 04:42	WG1560896
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2020 04:42	WG1560896
Vinyl chloride	U		0.000234	0.00100	1	10/18/2020 04:42	WG1560896
o-Xylene	U		0.000174	0.00100	1	10/18/2020 04:42	WG1560896
m&p-Xylene	U		0.000430	0.00200	1	10/18/2020 04:42	WG1560896
Xylenes, Total	U		0.000174	0.00300	1	10/18/2020 04:42	WG1560896
(S) Toluene-d8	109			80.0-120		10/18/2020 04:42	WG1560896
(S) 4-Bromofluorobenzene	106			77.0-126		10/18/2020 04:42	WG1560896
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/18/2020 04:42	WG1560896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 00:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 00:14	WG1560784
Benzene	U		0.0000941	0.00100	1	10/17/2020 00:14	WG1560784
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 00:14	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 00:14	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 00:14	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 00:14	WG1560784
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 00:14	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 00:14	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 00:14	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 00:14	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 00:14	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 00:14	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 00:14	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 00:14	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 00:14	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 00:14	WG1560784
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 00:14	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 00:14	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 00:14	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 00:14	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 00:14	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 00:14	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 00:14	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 00:14	WG1560784
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 00:14	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 00:14	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 00:14	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 00:14	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 00:14	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 00:14	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 00:14	WG1560784
Naphthalene	U		0.00100	0.00500	1	10/17/2020 00:14	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 00:14	WG1560784
Styrene	U		0.000118	0.00100	1	10/17/2020 00:14	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 00:14	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 00:14	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 00:14	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 00:14	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 00:14	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 00:14	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 00:14	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 00:14	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 00:14	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 00:14	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 00:14	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 00:14	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 00:14	WG1560784
(S) Toluene-d8	99.2			80.0-120		10/17/2020 00:14	WG1560784
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 00:14	WG1560784
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		10/17/2020 00:14	WG1560784

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

Collected date/time: 10/06/20 15:10

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2150		3.75	13.3	1	10/13/2020 17:56	WG1558063

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:53	WG1559002

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.0180	0.0500	10	10/16/2020 00:45	WG1559474

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	550		3.79	10.0	10	10/15/2020 03:12	WG1557662
Fluoride	1.09		0.0640	0.150	1	10/15/2020 02:54	WG1557662
Sulfate	102		5.94	50.0	10	10/15/2020 03:12	WG1557662

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 10:05	WG1556621

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.770		0.0254	0.200	1	10/12/2020 22:00	WG1556429

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00541		0.000735	0.00200	1	10/15/2020 05:01	WG1556445
Barium	0.801		0.00778	0.0200	1	10/15/2020 05:01	WG1556445
Cadmium	U		0.000478	0.00100	1	10/15/2020 05:01	WG1556445
Calcium	141		0.480	1.00	1	10/15/2020 05:01	WG1556445
Chromium	0.00150	J	0.00149	0.00200	1	10/15/2020 05:01	WG1556445
Cobalt	U		0.000477	0.00200	1	10/15/2020 05:01	WG1556445
Iron	0.106		0.0489	0.100	1	10/15/2020 05:01	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 05:01	WG1556445
Manganese	0.252		0.00132	0.00500	1	10/15/2020 05:01	WG1556445
Nickel	0.00410		0.000952	0.00200	1	10/15/2020 05:01	WG1556445
Potassium	0.896	J	0.534	2.00	1	10/15/2020 05:01	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 05:01	WG1556445
Sodium	350		0.630	2.00	1	10/15/2020 05:01	WG1556445
Uranium	U		0.00754	0.0200	1	10/15/2020 05:01	WG1556445
Vanadium	0.00249	J	0.000986	0.00500	1	10/15/2020 05:01	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	34.2		0.628	2.00	20	10/16/2020 22:13	WG1560609

Collected date/time: 10/06/20 15:10

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		10/16/2020 22:13	WG1560609

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2020 05:02	WG1560784
Benzene	9.06		0.0471	0.500	500	10/18/2020 11:55	WG1561142
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2020 05:02	WG1560784
Bromoform	U		0.00645	0.0500	50	10/17/2020 05:02	WG1560784
Bromomethane	U		0.0303	0.250	50	10/17/2020 05:02	WG1560784
n-Butylbenzene	U		0.00785	0.0500	50	10/17/2020 05:02	WG1560784
sec-Butylbenzene	U		0.00625	0.0500	50	10/17/2020 05:02	WG1560784
Carbon disulfide	U		0.00481	0.0500	50	10/17/2020 05:02	WG1560784
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2020 05:02	WG1560784
Chlorobenzene	U		0.00580	0.0500	50	10/17/2020 05:02	WG1560784
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2020 05:02	WG1560784
Chloroethane	U		0.00960	0.250	50	10/17/2020 05:02	WG1560784
Chloroform	U		0.00555	0.250	50	10/17/2020 05:02	WG1560784
Chloromethane	U		0.0480	0.125	50	10/17/2020 05:02	WG1560784
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2020 05:02	WG1560784
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2020 05:02	WG1560784
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2020 05:02	WG1560784
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2020 05:02	WG1560784
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2020 05:02	WG1560784
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2020 05:02	WG1560784
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2020 05:02	WG1560784
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	10/17/2020 05:02	WG1560784
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	10/17/2020 05:02	WG1560784
Ethylbenzene	0.136		0.00685	0.0500	50	10/17/2020 05:02	WG1560784
Isopropylbenzene	0.0453	J	0.00525	0.0500	50	10/17/2020 05:02	WG1560784
p-Isopropyltoluene	U		0.00600	0.0500	50	10/17/2020 05:02	WG1560784
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2020 05:02	WG1560784
2-Hexanone	U		0.0394	0.500	50	10/17/2020 05:02	WG1560784
Methylene Chloride	U		0.0215	0.250	50	10/17/2020 05:02	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2020 05:02	WG1560784
Methyl tert-butyl ether	0.0481	J	0.00505	0.0500	50	10/17/2020 05:02	WG1560784
Naphthalene	0.105	J	0.0500	0.250	50	10/17/2020 05:02	WG1560784
n-Propylbenzene	0.0559		0.00497	0.0500	50	10/17/2020 05:02	WG1560784
Styrene	U		0.00590	0.0500	50	10/17/2020 05:02	WG1560784
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2020 05:02	WG1560784
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2020 05:02	WG1560784
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2020 05:02	WG1560784
Toluene	0.0676		0.0139	0.0500	50	10/17/2020 05:02	WG1560784
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2020 05:02	WG1560784
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2020 05:02	WG1560784
Trichloroethene	U	J4	0.00950	0.0500	50	10/17/2020 05:02	WG1560784
1,2,4-Trimethylbenzene	0.302		0.0161	0.0500	50	10/17/2020 05:02	WG1560784
1,3,5-Trimethylbenzene	U		0.00520	0.0500	50	10/17/2020 05:02	WG1560784
Vinyl chloride	U		0.0117	0.0500	50	10/17/2020 05:02	WG1560784
o-Xylene	0.0510		0.00870	0.0500	50	10/17/2020 05:02	WG1560784
m&p-Xylene	0.852		0.0215	0.100	50	10/17/2020 05:02	WG1560784
Xylenes, Total	0.903		0.00870	0.150	50	10/17/2020 05:02	WG1560784
(S) Toluene-d8	96.3			80.0-120		10/17/2020 05:02	WG1560784
(S) Toluene-d8	116			80.0-120		10/18/2020 11:55	WG1561142
(S) 4-Bromofluorobenzene	101			77.0-126		10/17/2020 05:02	WG1560784

Collected date/time: 10/06/20 15:10

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	107			77.0-126		10/18/2020 11:55	WG1561142
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		10/17/2020 05:02	WG1560784
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/18/2020 11:55	WG1561142

Sample Narrative:

L1271301-49 WG1560784: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.74		0.0247	0.100	1	10/14/2020 15:49	WG1557908
(S) o-Terphenyl	116			31.0-160		10/14/2020 15:49	WG1557908

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/06/20 16:20

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2240		2.82	10.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:54	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	311		3.79	10.0	10	10/15/2020 03:47	WG1557662
Fluoride	0.806		0.0640	0.150	1	10/15/2020 03:30	WG1557662
Sulfate	571		5.94	50.0	10	10/15/2020 03:47	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0788		0.000735	0.00200	1	10/15/2020 05:05	WG1556445
Barium	0.129		0.00778	0.0200	1	10/15/2020 05:05	WG1556445
Calcium	304		0.480	1.00	1	10/15/2020 05:05	WG1556445
Chromium	0.00169	J	0.00149	0.00200	1	10/15/2020 05:05	WG1556445
Iron	2.90		0.0489	0.100	1	10/15/2020 05:05	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 05:05	WG1556445
Manganese	1.09		0.00132	0.00500	1	10/15/2020 05:05	WG1556445
Potassium	3.38		0.534	2.00	1	10/15/2020 05:05	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 05:05	WG1556445
Sodium	152		0.630	2.00	1	10/15/2020 05:05	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	7.74		0.0314	0.100	1	10/16/2020 20:57	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	89.6			78.0-120		10/16/2020 20:57	WG1560609

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 02:58	WG1560784
Benzene	1.92		0.00471	0.0500	50	10/18/2020 11:32	WG1561142
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 02:58	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 02:58	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 02:58	WG1560784
n-Butylbenzene	0.00319		0.000157	0.00100	1	10/17/2020 02:58	WG1560784
sec-Butylbenzene	0.0194		0.000125	0.00100	1	10/17/2020 02:58	WG1560784
Carbon disulfide	0.00126		0.0000962	0.00100	1	10/17/2020 02:58	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 02:58	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 02:58	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 02:58	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 02:58	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 02:58	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 02:58	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 02:58	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 02:58	WG1560784

Collected date/time: 10/06/20 16:20

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 02:58	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 02:58	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 02:58	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 02:58	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 02:58	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 02:58	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 02:58	WG1560784
Ethylbenzene	0.0302		0.000137	0.00100	1	10/17/2020 02:58	WG1560784
Isopropylbenzene	0.162		0.000105	0.00100	1	10/17/2020 02:58	WG1560784
p-Isopropyltoluene	0.00274		0.000120	0.00100	1	10/17/2020 02:58	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 02:58	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 02:58	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 02:58	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 02:58	WG1560784
Methyl tert-butyl ether	0.0107		0.000101	0.00100	1	10/17/2020 02:58	WG1560784
Naphthalene	0.0790		0.00100	0.00500	1	10/17/2020 02:58	WG1560784
n-Propylbenzene	0.160		0.00497	0.0500	50	10/18/2020 11:32	WG1561142
Styrene	U		0.000118	0.00100	1	10/17/2020 02:58	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 02:58	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 02:58	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 02:58	WG1560784
Toluene	0.000571	J	0.000278	0.00100	1	10/17/2020 02:58	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 02:58	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 02:58	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 02:58	WG1560784
1,2,4-Trimethylbenzene	0.0775		0.000322	0.00100	1	10/17/2020 02:58	WG1560784
1,3,5-Trimethylbenzene	0.0117		0.000104	0.00100	1	10/17/2020 02:58	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 02:58	WG1560784
o-Xylene	0.00103		0.000174	0.00100	1	10/17/2020 02:58	WG1560784
m&p-Xylene	0.136		0.000430	0.00200	1	10/17/2020 02:58	WG1560784
Xylenes, Total	0.137		0.000174	0.00300	1	10/17/2020 02:58	WG1560784
(S) Toluene-d8	97.6			80.0-120		10/17/2020 02:58	WG1560784
(S) Toluene-d8	116			80.0-120		10/18/2020 11:32	WG1561142
(S) 4-Bromofluorobenzene	100			77.0-126		10/17/2020 02:58	WG1560784
(S) 4-Bromofluorobenzene	102			77.0-126		10/18/2020 11:32	WG1561142
(S) 1,2-Dichloroethane-d4	87.5			70.0-130		10/17/2020 02:58	WG1560784
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/18/2020 11:32	WG1561142

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	11.4		0.247	1.00	10	10/14/2020 19:38	WG1557908
(S) o-Terphenyl	324	J1		31.0-160		10/14/2020 19:38	WG1557908

Sample Narrative:

L1271301-50 WG1557908: Surrogate failure due to matrix interference

Collected date/time: 10/06/20 10:55

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3690		5.64	20.0	1	10/13/2020 17:56	WG1558063

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/15/2020 21:56	WG1559002

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	186		37.9	100	100	10/15/2020 04:23	WG1557662
Fluoride	0.533		0.0640	0.150	1	10/15/2020 04:05	WG1557662
Sulfate	1510		59.4	500	100	10/15/2020 04:23	WG1557662

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00744		0.000735	0.00200	1	10/15/2020 05:08	WG1556445
Barium	0.0321		0.00778	0.0200	1	10/15/2020 05:08	WG1556445
Calcium	373		0.480	1.00	1	10/15/2020 05:08	WG1556445
Chromium	U		0.00149	0.00200	1	10/15/2020 05:08	WG1556445
Iron	0.608		0.0489	0.100	1	10/15/2020 05:08	WG1556445
Lead	U		0.00249	0.00500	1	10/15/2020 05:08	WG1556445
Manganese	1.89		0.00132	0.00500	1	10/15/2020 05:08	WG1556445
Potassium	0.560	J	0.534	2.00	1	10/15/2020 05:08	WG1556445
Selenium	U		0.000657	0.00200	1	10/15/2020 05:08	WG1556445
Sodium	286		0.630	2.00	1	10/15/2020 05:08	WG1556445

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.490		0.0314	0.100	1	10/16/2020 21:23	WG1560609
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120		10/16/2020 21:23	WG1560609

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 03:18	WG1560784
Benzene	0.000206	J	0.0000941	0.00100	1	10/18/2020 10:45	WG1561142
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 03:18	WG1560784
Bromoform	U		0.000129	0.00100	1	10/17/2020 03:18	WG1560784
Bromomethane	U		0.000605	0.00500	1	10/17/2020 03:18	WG1560784
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 03:18	WG1560784
sec-Butylbenzene	0.00597		0.000125	0.00100	1	10/17/2020 03:18	WG1560784
Carbon disulfide	U		0.0000962	0.00100	1	10/17/2020 03:18	WG1560784
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 03:18	WG1560784
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 03:18	WG1560784
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 03:18	WG1560784
Chloroethane	U		0.000192	0.00500	1	10/17/2020 03:18	WG1560784
Chloroform	U		0.000111	0.00500	1	10/17/2020 03:18	WG1560784
Chloromethane	U		0.000960	0.00250	1	10/17/2020 03:18	WG1560784
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 03:18	WG1560784
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 03:18	WG1560784

Collected date/time: 10/06/20 10:55

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 03:18	WG1560784
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 03:18	WG1560784
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 03:18	WG1560784
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 03:18	WG1560784
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 03:18	WG1560784
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 03:18	WG1560784
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 03:18	WG1560784
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 03:18	WG1560784
Isopropylbenzene	0.00832		0.000105	0.00100	1	10/17/2020 03:18	WG1560784
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 03:18	WG1560784
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 03:18	WG1560784
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 03:18	WG1560784
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 03:18	WG1560784
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 03:18	WG1560784
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 03:18	WG1560784
Naphthalene	0.00410	J	0.00100	0.00500	1	10/17/2020 03:18	WG1560784
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2020 10:45	WG1561142
Styrene	U		0.000118	0.00100	1	10/17/2020 03:18	WG1560784
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 03:18	WG1560784
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 03:18	WG1560784
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 03:18	WG1560784
Toluene	U		0.000278	0.00100	1	10/17/2020 03:18	WG1560784
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 03:18	WG1560784
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 03:18	WG1560784
Trichloroethene	U	J4	0.000190	0.00100	1	10/17/2020 03:18	WG1560784
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 03:18	WG1560784
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 03:18	WG1560784
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 03:18	WG1560784
o-Xylene	U		0.000174	0.00100	1	10/17/2020 03:18	WG1560784
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 03:18	WG1560784
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 03:18	WG1560784
(S) Toluene-d8	90.7			80.0-120		10/17/2020 03:18	WG1560784
(S) Toluene-d8	101			80.0-120		10/18/2020 10:45	WG1561142
(S) 4-Bromofluorobenzene	97.8			77.0-126		10/17/2020 03:18	WG1560784
(S) 4-Bromofluorobenzene	99.3			77.0-126		10/18/2020 10:45	WG1561142
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		10/17/2020 03:18	WG1560784
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/18/2020 10:45	WG1561142

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.30		0.0247	0.100	1	10/14/2020 18:22	WG1557908
(S) o-Terphenyl	106			31.0-160		10/14/2020 18:22	WG1557908

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

Collected date/time: 10/07/20 09:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2200		2.82	10.0	1	10/14/2020 22:24	WG1558087

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.199		0.0500	0.100	1	10/21/2020 18:00	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	177		7.58	20.0	20	10/13/2020 19:50	WG1558271
Fluoride	0.527		0.0640	0.150	1	10/13/2020 19:29	WG1558271
Sulfate	773		11.9	100	20	10/13/2020 19:50	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/12/2020 23:48	WG1557632
Barium	0.0438		0.00778	0.0200	1	10/12/2020 23:48	WG1557632
Calcium	274		0.480	1.00	1	10/12/2020 23:48	WG1557632
Chromium	U		0.00149	0.00200	1	10/12/2020 23:48	WG1557632
Iron	0.253		0.0489	0.100	1	10/12/2020 23:48	WG1557632
Lead	U		0.00249	0.00500	1	10/12/2020 23:48	WG1557632
Manganese	1.08		0.00132	0.00500	1	10/12/2020 23:48	WG1557632
Potassium	U		0.534	2.00	1	10/12/2020 23:48	WG1557632
Selenium	U		0.000657	0.00200	1	10/12/2020 23:48	WG1557632
Sodium	158		0.630	2.00	1	10/12/2020 23:48	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.18		0.0314	0.100	1	10/17/2020 11:08	WG1560698
(S) a,a,a-Trifluorotoluene(FID)	95.6			78.0-120		10/17/2020 11:08	WG1560698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/17/2020 22:36	WG1560897
Benzene	0.368		0.000471	0.00500	5	10/17/2020 22:36	WG1560897
Bromodichloromethane	U		0.000680	0.00500	5	10/17/2020 22:36	WG1560897
Bromoform	U		0.000645	0.00500	5	10/17/2020 22:36	WG1560897
Bromomethane	U		0.00303	0.0250	5	10/17/2020 22:36	WG1560897
n-Butylbenzene	0.000994	J	0.000785	0.00500	5	10/17/2020 22:36	WG1560897
sec-Butylbenzene	0.00271	J	0.000625	0.00500	5	10/17/2020 22:36	WG1560897
Carbon disulfide	0.00185	B J	0.000481	0.00500	5	10/17/2020 22:36	WG1560897
Carbon tetrachloride	U		0.000640	0.00500	5	10/17/2020 22:36	WG1560897
Chlorobenzene	U		0.000580	0.00500	5	10/17/2020 22:36	WG1560897
Chlorodibromomethane	U		0.000700	0.00500	5	10/17/2020 22:36	WG1560897
Chloroethane	U		0.000960	0.0250	5	10/17/2020 22:36	WG1560897
Chloroform	U		0.000555	0.0250	5	10/17/2020 22:36	WG1560897
Chloromethane	U		0.00480	0.0125	5	10/17/2020 22:36	WG1560897
1,2-Dibromoethane	U		0.000630	0.00500	5	10/17/2020 22:36	WG1560897
1,1-Dichloroethane	U		0.000500	0.00500	5	10/17/2020 22:36	WG1560897

Collected date/time: 10/07/20 09:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000409	0.00500	5	10/17/2020 22:36	WG1560897
1,1-Dichloroethene	U		0.000940	0.00500	5	10/17/2020 22:36	WG1560897
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/17/2020 22:36	WG1560897
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/17/2020 22:36	WG1560897
1,2-Dichloropropane	U		0.000745	0.00500	5	10/17/2020 22:36	WG1560897
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/17/2020 22:36	WG1560897
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/17/2020 22:36	WG1560897
Ethylbenzene	0.129		0.000685	0.00500	5	10/17/2020 22:36	WG1560897
Isopropylbenzene	0.0208		0.000525	0.00500	5	10/17/2020 22:36	WG1560897
p-Isopropyltoluene	0.00147	U	0.000600	0.00500	5	10/17/2020 22:36	WG1560897
2-Butanone (MEK)	U		0.00595	0.0500	5	10/17/2020 22:36	WG1560897
2-Hexanone	U		0.00394	0.0500	5	10/17/2020 22:36	WG1560897
Methylene Chloride	U		0.00215	0.0250	5	10/17/2020 22:36	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/17/2020 22:36	WG1560897
Methyl tert-butyl ether	0.0117		0.000505	0.00500	5	10/17/2020 22:36	WG1560897
Naphthalene	0.0101	U	0.00500	0.0250	5	10/17/2020 22:36	WG1560897
n-Propylbenzene	0.0265		0.000497	0.00500	5	10/17/2020 22:36	WG1560897
Styrene	U		0.000590	0.00500	5	10/17/2020 22:36	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/17/2020 22:36	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/17/2020 22:36	WG1560897
Tetrachloroethene	U		0.00150	0.00500	5	10/17/2020 22:36	WG1560897
Toluene	0.00446	U	0.00139	0.00500	5	10/17/2020 22:36	WG1560897
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/17/2020 22:36	WG1560897
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/17/2020 22:36	WG1560897
Trichloroethene	U		0.000950	0.00500	5	10/17/2020 22:36	WG1560897
1,2,4-Trimethylbenzene	0.102		0.00161	0.00500	5	10/17/2020 22:36	WG1560897
1,3,5-Trimethylbenzene	0.00118	U	0.000520	0.00500	5	10/17/2020 22:36	WG1560897
Vinyl chloride	U		0.00117	0.00500	5	10/17/2020 22:36	WG1560897
o-Xylene	U		0.000870	0.00500	5	10/17/2020 22:36	WG1560897
m&p-Xylene	0.154		0.00215	0.0100	5	10/17/2020 22:36	WG1560897
Xylenes, Total	0.154		0.000870	0.0150	5	10/17/2020 22:36	WG1560897
(S) Toluene-d8	108			80.0-120		10/17/2020 22:36	WG1560897
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 22:36	WG1560897
(S) 1,2-Dichloroethane-d4	100			70.0-130		10/17/2020 22:36	WG1560897

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.784		0.0247	0.100	1	10/15/2020 09:45	WG1557911
(S) o-Terphenyl	110			31.0-160		10/15/2020 09:45	WG1557911

Collected date/time: 10/06/20 12:50

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	4440		5.64	20.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1.00	2.00	20	10/21/2020 18:01	WG1560789

Sample Narrative:

L1271301-53 WG1560789: dilution due to sulfide interference

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.0180	0.0500	10	10/16/2020 03:47	WG1559964

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	398		37.9	100	100	10/13/2020 20:12	WG1558271
Fluoride	0.694		0.0640	0.150	1	10/13/2020 20:45	WG1558271
Sulfate	1660		59.4	500	100	10/13/2020 20:12	WG1558271

Mercury by Method 7470A

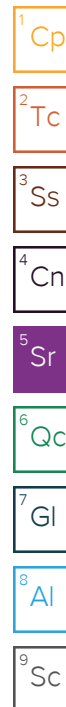
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 08:48	WG1557453

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.661		0.0254	0.200	1	10/13/2020 14:28	WG1557841

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00348		0.000735	0.00200	1	10/12/2020 23:51	WG1557632
Barium	0.0706		0.00778	0.0200	1	10/12/2020 23:51	WG1557632
Cadmium	U		0.000478	0.00100	1	10/12/2020 23:51	WG1557632
Calcium	301		0.480	1.00	1	10/12/2020 23:51	WG1557632
Chromium	0.00626		0.00149	0.00200	1	10/12/2020 23:51	WG1557632
Cobalt	0.000490	J	0.000477	0.00200	1	10/12/2020 23:51	WG1557632
Iron	1.32		0.0489	0.100	1	10/12/2020 23:51	WG1557632
Lead	0.00678		0.00249	0.00500	1	10/12/2020 23:51	WG1557632
Manganese	0.0432		0.00132	0.00500	1	10/12/2020 23:51	WG1557632
Nickel	0.00306		0.000952	0.00200	1	10/12/2020 23:51	WG1557632
Potassium	U		0.534	2.00	1	10/12/2020 23:51	WG1557632
Selenium	U		0.000657	0.00200	1	10/12/2020 23:51	WG1557632
Sodium	546		0.630	2.00	1	10/12/2020 23:51	WG1557632
Uranium	U		0.00754	0.0200	1	10/12/2020 23:51	WG1557632
Vanadium	0.00115	J	0.000986	0.00500	1	10/12/2020 23:51	WG1557632



Collected date/time: 10/06/20 12:50

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	10/17/2020 22:56	WG1560897
Benzene	17.8		0.0188	0.200	200	10/17/2020 22:56	WG1560897
Bromodichloromethane	U		0.0272	0.200	200	10/17/2020 22:56	WG1560897
Bromoform	U		0.0258	0.200	200	10/17/2020 22:56	WG1560897
Bromomethane	U		0.121	1.00	200	10/17/2020 22:56	WG1560897
n-Butylbenzene	U		0.0314	0.200	200	10/17/2020 22:56	WG1560897
sec-Butylbenzene	U		0.0250	0.200	200	10/17/2020 22:56	WG1560897
Carbon disulfide	0.0664	BJ	0.0192	0.200	200	10/17/2020 22:56	WG1560897
Carbon tetrachloride	U		0.0256	0.200	200	10/17/2020 22:56	WG1560897
Chlorobenzene	U		0.0232	0.200	200	10/17/2020 22:56	WG1560897
Chlorodibromomethane	U		0.0280	0.200	200	10/17/2020 22:56	WG1560897
Chloroethane	U		0.0384	1.00	200	10/17/2020 22:56	WG1560897
Chloroform	U		0.0222	1.00	200	10/17/2020 22:56	WG1560897
Chloromethane	U		0.192	0.500	200	10/17/2020 22:56	WG1560897
1,2-Dibromoethane	U		0.0252	0.200	200	10/17/2020 22:56	WG1560897
1,1-Dichloroethane	U		0.0200	0.200	200	10/17/2020 22:56	WG1560897
1,2-Dichloroethane	U		0.0164	0.200	200	10/17/2020 22:56	WG1560897
1,1-Dichloroethene	U		0.0376	0.200	200	10/17/2020 22:56	WG1560897
cis-1,2-Dichloroethene	U		0.0252	0.200	200	10/17/2020 22:56	WG1560897
trans-1,2-Dichloroethene	U		0.0298	0.200	200	10/17/2020 22:56	WG1560897
1,2-Dichloropropane	U		0.0298	0.200	200	10/17/2020 22:56	WG1560897
cis-1,3-Dichloropropene	U		0.0222	0.200	200	10/17/2020 22:56	WG1560897
trans-1,3-Dichloropropene	U		0.0236	0.200	200	10/17/2020 22:56	WG1560897
Ethylbenzene	2.89		0.0274	0.200	200	10/17/2020 22:56	WG1560897
Isopropylbenzene	0.0937	IL	0.0210	0.200	200	10/17/2020 22:56	WG1560897
p-Isopropyltoluene	U		0.0240	0.200	200	10/17/2020 22:56	WG1560897
2-Butanone (MEK)	U		0.238	2.00	200	10/17/2020 22:56	WG1560897
2-Hexanone	U		0.157	2.00	200	10/17/2020 22:56	WG1560897
Methylene Chloride	U		0.0860	1.00	200	10/17/2020 22:56	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	10/17/2020 22:56	WG1560897
Methyl tert-butyl ether	0.0230	IL	0.0202	0.200	200	10/17/2020 22:56	WG1560897
Naphthalene	0.539	IL	0.200	1.00	200	10/17/2020 22:56	WG1560897
n-Propylbenzene	0.168	IL	0.0199	0.200	200	10/17/2020 22:56	WG1560897
Styrene	U		0.0236	0.200	200	10/17/2020 22:56	WG1560897
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	10/17/2020 22:56	WG1560897
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	10/17/2020 22:56	WG1560897
Tetrachloroethene	U		0.0600	0.200	200	10/17/2020 22:56	WG1560897
Toluene	1.08		0.0556	0.200	200	10/17/2020 22:56	WG1560897
1,1,1-Trichloroethane	U		0.0298	0.200	200	10/17/2020 22:56	WG1560897
1,1,2-Trichloroethane	U		0.0316	0.200	200	10/17/2020 22:56	WG1560897
Trichloroethene	U		0.0380	0.200	200	10/17/2020 22:56	WG1560897
1,2,4-Trimethylbenzene	0.833		0.0644	0.200	200	10/17/2020 22:56	WG1560897
1,3,5-Trimethylbenzene	0.191	IL	0.0208	0.200	200	10/17/2020 22:56	WG1560897
Vinyl chloride	U		0.0468	0.200	200	10/17/2020 22:56	WG1560897
o-Xylene	0.139	IL	0.0348	0.200	200	10/17/2020 22:56	WG1560897
m&p-Xylene	4.05		0.0860	0.400	200	10/17/2020 22:56	WG1560897
Xylenes, Total	4.19		0.0348	0.600	200	10/17/2020 22:56	WG1560897
(S) Toluene-d8	108			80.0-120		10/17/2020 22:56	WG1560897
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 22:56	WG1560897
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/17/2020 22:56	WG1560897

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.80		0.0247	0.100	1	10/14/2020 17:31	WG1557908
(S) o-Terphenyl	115			31.0-160		10/14/2020 17:31	WG1557908

Collected date/time: 10/06/20 13:15

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2200		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.18		0.0500	0.100	1	10/21/2020 18:03	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	104		7.58	20.0	20	10/13/2020 21:06	WG1558271
Fluoride	0.358		0.0640	0.150	1	10/13/2020 20:56	WG1558271
Sulfate	1080		11.9	100	20	10/13/2020 21:06	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Calcium	356		0.480	1.00	1	10/16/2020 20:49	WG1559507
Potassium	2.36		0.534	2.00	1	10/16/2020 20:49	WG1559507
Sodium	87.6		0.630	2.00	1	10/16/2020 20:49	WG1559507

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 18:28	WG1560897
Benzene	U	Q	0.0000941	0.00100	1	11/06/2020 17:03	WG1572494
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 18:28	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 18:28	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 18:28	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 18:28	WG1560897
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 18:28	WG1560897
Carbon disulfide	0.000185	B J	0.0000962	0.00100	1	10/17/2020 18:28	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 18:28	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 18:28	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 18:28	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 18:28	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 18:28	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 18:28	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 18:28	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 18:28	WG1560897
1,2-Dichloroethane	0.000877	J	0.0000819	0.00100	1	10/17/2020 18:28	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 18:28	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 18:28	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 18:28	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 18:28	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 18:28	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 18:28	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 18:28	WG1560897
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 18:28	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 18:28	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 18:28	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 18:28	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 18:28	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 18:28	WG1560897

Collected date/time: 10/06/20 13:15

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.00654		0.000101	0.00100	1	10/17/2020 18:28	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 18:28	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 18:28	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 18:28	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 18:28	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 18:28	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 18:28	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 18:28	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 18:28	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 18:28	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 18:28	WG1560897
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 18:28	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 18:28	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 18:28	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 18:28	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 18:28	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 18:28	WG1560897
(S) Toluene-d8	107			80.0-120		10/17/2020 18:28	WG1560897
(S) Toluene-d8	105			80.0-120		11/06/2020 17:03	WG1572494
(S) 4-Bromofluorobenzene	105			77.0-126		10/17/2020 18:28	WG1560897
(S) 4-Bromofluorobenzene	103			77.0-126		11/06/2020 17:03	WG1572494
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/17/2020 18:28	WG1560897
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		11/06/2020 17:03	WG1572494

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 13:30

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2340		2.82	10.0	1	10/13/2020 21:36	WG1558091

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.842	J6	0.0500	0.100	1	10/21/2020 18:05	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	123		7.58	20.0	20	10/13/2020 21:39	WG1558271
Fluoride	0.348		0.0640	0.150	1	10/13/2020 21:28	WG1558271
Sulfate	1250		11.9	100	20	10/13/2020 21:39	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Calcium	382		0.480	1.00	1	10/16/2020 20:52	WG1559507
Potassium	2.36		0.534	2.00	1	10/16/2020 20:52	WG1559507
Sodium	98.7		0.630	2.00	1	10/16/2020 20:52	WG1559507

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 18:49	WG1560897
Benzene	U	Q	0.0000941	0.00100	1	11/06/2020 17:23	WG1572494
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 18:49	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 18:49	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 18:49	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 18:49	WG1560897
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 18:49	WG1560897
Carbon disulfide	0.000179	B J	0.0000962	0.00100	1	10/17/2020 18:49	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 18:49	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 18:49	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 18:49	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 18:49	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 18:49	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 18:49	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 18:49	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 18:49	WG1560897
1,2-Dichloroethane	0.000876	J	0.0000819	0.00100	1	10/17/2020 18:49	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 18:49	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 18:49	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 18:49	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 18:49	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 18:49	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 18:49	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 18:49	WG1560897
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 18:49	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 18:49	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 18:49	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 18:49	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 18:49	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 18:49	WG1560897

Collected date/time: 10/06/20 13:30

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.00798		0.000101	0.00100	1	10/17/2020 18:49	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 18:49	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 18:49	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 18:49	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 18:49	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 18:49	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 18:49	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 18:49	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 18:49	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 18:49	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 18:49	WG1560897
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 18:49	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 18:49	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 18:49	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 18:49	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 18:49	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 18:49	WG1560897
(S) Toluene-d8	108			80.0-120		10/17/2020 18:49	WG1560897
(S) Toluene-d8	106			80.0-120		11/06/2020 17:23	WG1572494
(S) 4-Bromofluorobenzene	103			77.0-126		10/17/2020 18:49	WG1560897
(S) 4-Bromofluorobenzene	103			77.0-126		11/06/2020 17:23	WG1572494
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/17/2020 18:49	WG1560897
(S) 1,2-Dichloroethane-d4	97.0			70.0-130		11/06/2020 17:23	WG1572494

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/06/20 12:00

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3180		5.64	20.0	1	10/13/2020 23:02	WG1558083

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0590	J	0.0500	0.100	1	10/21/2020 18:12	WG1560789

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U	J6	0.00180	0.00500	1	10/16/2020 03:48	WG1559964

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	330		7.58	20.0	20	10/13/2020 22:01	WG1558271
Fluoride	0.794		0.0640	0.150	1	10/13/2020 21:50	WG1558271
Sulfate	1260		11.9	100	20	10/13/2020 22:01	WG1558271

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 08:50	WG1557453

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.439		0.0254	0.200	1	10/13/2020 14:36	WG1557841

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.00368	0.0100	5	10/13/2020 00:19	WG1557632
Barium	0.0528	J	0.0389	0.100	5	10/13/2020 00:19	WG1557632
Cadmium	U		0.00239	0.00500	5	10/13/2020 00:19	WG1557632
Calcium	371		2.40	5.00	5	10/13/2020 00:19	WG1557632
Chromium	U		0.00745	0.0100	5	10/13/2020 00:19	WG1557632
Cobalt	U		0.00238	0.0100	5	10/13/2020 00:19	WG1557632
Iron	U		0.244	0.500	5	10/13/2020 00:19	WG1557632
Lead	U		0.0124	0.0250	5	10/13/2020 00:19	WG1557632
Manganese	2.15		0.00660	0.0250	5	10/13/2020 00:19	WG1557632
Nickel	U		0.00476	0.0100	5	10/13/2020 00:19	WG1557632
Potassium	U		2.67	10.0	5	10/13/2020 00:19	WG1557632
Selenium	U		0.00328	0.0100	5	10/13/2020 00:19	WG1557632
Sodium	263		3.15	10.0	5	10/13/2020 00:19	WG1557632
Uranium	U		0.0377	0.100	5	10/13/2020 00:19	WG1557632
Vanadium	U		0.00493	0.0250	5	10/13/2020 00:19	WG1557632

Collected date/time: 10/06/20 12:00

L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 19:09	WG1560897
Benzene	0.00789		0.0000941	0.00100	1	10/17/2020 19:09	WG1560897
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 19:09	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 19:09	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 19:09	WG1560897
n-Butylbenzene	0.000270	U	0.000157	0.00100	1	10/17/2020 19:09	WG1560897
sec-Butylbenzene	0.00555		0.000125	0.00100	1	10/17/2020 19:09	WG1560897
Carbon disulfide	0.000319	B J	0.0000962	0.00100	1	10/17/2020 19:09	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 19:09	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 19:09	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 19:09	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 19:09	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 19:09	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 19:09	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 19:09	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 19:09	WG1560897
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 19:09	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 19:09	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 19:09	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 19:09	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 19:09	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 19:09	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 19:09	WG1560897
Ethylbenzene	0.00262		0.000137	0.00100	1	10/17/2020 19:09	WG1560897
Isopropylbenzene	0.0188		0.000105	0.00100	1	10/17/2020 19:09	WG1560897
p-Isopropyltoluene	0.000201	U	0.000120	0.00100	1	10/17/2020 19:09	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 19:09	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 19:09	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 19:09	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 19:09	WG1560897
Methyl tert-butyl ether	0.00365		0.000101	0.00100	1	10/17/2020 19:09	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 19:09	WG1560897
n-Propylbenzene	0.0140		0.0000993	0.00100	1	10/17/2020 19:09	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 19:09	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 19:09	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 19:09	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 19:09	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 19:09	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 19:09	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 19:09	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 19:09	WG1560897
1,2,4-Trimethylbenzene	0.00287		0.000322	0.00100	1	10/17/2020 19:09	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 19:09	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 19:09	WG1560897
o-Xylene	0.000402	U	0.000174	0.00100	1	10/17/2020 19:09	WG1560897
m&p-Xylene	0.00249		0.000430	0.00200	1	10/17/2020 19:09	WG1560897
Xylenes, Total	0.00289	U	0.000174	0.00300	1	10/17/2020 19:09	WG1560897
(S) Toluene-d8	103			80.0-120		10/17/2020 19:09	WG1560897
(S) 4-Bromofluorobenzene	102			77.0-126		10/17/2020 19:09	WG1560897
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 19:09	WG1560897

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.05		0.0247	0.100	1	10/14/2020 14:32	WG1557908
(S) o-Terphenyl	111			31.0-160		10/14/2020 14:32	WG1557908

Collected date/time: 10/07/20 10:30

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	5460		14.1	50.0	1	10/14/2020 22:24	WG1558087

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.9		0.250	0.500	5	10/21/2020 18:14	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	504		37.9	100	100	10/13/2020 22:22	WG1558271
Fluoride	1.13		0.0640	0.150	1	10/13/2020 22:12	WG1558271
Sulfate	2970		59.4	500	100	10/13/2020 22:22	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.00368	0.0100	5	10/13/2020 00:29	WG1557632
Barium	U		0.0389	0.100	5	10/13/2020 00:29	WG1557632
Calcium	538		2.40	5.00	5	10/13/2020 00:29	WG1557632
Chromium	U		0.00745	0.0100	5	10/13/2020 00:29	WG1557632
Iron	0.745		0.244	0.500	5	10/13/2020 00:29	WG1557632
Lead	U		0.0124	0.0250	5	10/13/2020 00:29	WG1557632
Manganese	0.0315		0.00660	0.0250	5	10/13/2020 00:29	WG1557632
Potassium	U		2.67	10.0	5	10/13/2020 00:29	WG1557632
Selenium	0.0186		0.00328	0.0100	5	10/13/2020 00:29	WG1557632
Sodium	621		3.15	10.0	5	10/13/2020 00:29	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/17/2020 11:33	WG1560698
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120		10/17/2020 11:33	WG1560698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 19:30	WG1560897
Benzene	0.00250		0.0000941	0.00100	1	10/17/2020 19:30	WG1560897
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 19:30	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 19:30	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 19:30	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 19:30	WG1560897
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 19:30	WG1560897
Carbon disulfide	0.000188	B J	0.0000962	0.00100	1	10/17/2020 19:30	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 19:30	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 19:30	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 19:30	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 19:30	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 19:30	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 19:30	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 19:30	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 19:30	WG1560897

Collected date/time: 10/07/20 10:30

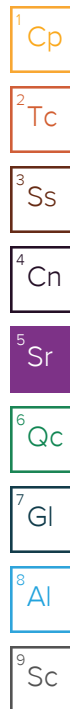
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 19:30	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 19:30	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 19:30	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 19:30	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 19:30	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 19:30	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 19:30	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 19:30	WG1560897
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 19:30	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 19:30	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 19:30	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 19:30	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 19:30	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 19:30	WG1560897
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2020 19:30	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 19:30	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 19:30	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 19:30	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 19:30	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 19:30	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 19:30	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 19:30	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 19:30	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 19:30	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 19:30	WG1560897
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 19:30	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 19:30	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 19:30	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 19:30	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 19:30	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 19:30	WG1560897
(S) Toluene-d8	110			80.0-120		10/17/2020 19:30	WG1560897
(S) 4-Bromofluorobenzene	107			77.0-126		10/17/2020 19:30	WG1560897
(S) 1,2-Dichloroethane-d4	100			70.0-130		10/17/2020 19:30	WG1560897

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0723	B J	0.0247	0.100	1	10/15/2020 10:06	WG1557911
(S) o-Terphenyl	85.8			31.0-160		10/15/2020 10:06	WG1557911



Collected date/time: 10/06/20 10:25

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2930		5.64	20.0	1	10/13/2020 19:46	WG1558089

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.414		0.0500	0.100	1	10/21/2020 18:15	WG1560789

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 03:53	WG1559964

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	541		37.9	100	100	10/13/2020 23:06	WG1558271
Fluoride	0.652		0.0640	0.150	1	10/13/2020 22:55	WG1558271
Sulfate	1090		59.4	500	100	10/13/2020 23:06	WG1558271

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 08:52	WG1557453

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.387		0.0254	0.200	1	10/13/2020 14:39	WG1557841

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.00403		0.000735	0.00200	1	10/12/2020 21:30	WG1557632
Barium	0.0227		0.00778	0.0200	1	10/12/2020 21:30	WG1557632
Cadmium	U		0.000478	0.00100	1	10/12/2020 21:30	WG1557632
Calcium	396		0.480	1.00	1	10/12/2020 21:30	WG1557632
Chromium	U		0.00149	0.00200	1	10/12/2020 21:30	WG1557632
Cobalt	0.00271		0.000477	0.00200	1	10/12/2020 21:30	WG1557632
Iron	1.05		0.0489	0.100	1	10/12/2020 21:30	WG1557632
Lead	U		0.00249	0.00500	1	10/12/2020 21:30	WG1557632
Manganese	0.471		0.00132	0.00500	1	10/12/2020 21:30	WG1557632
Nickel	0.00413		0.000952	0.00200	1	10/12/2020 21:30	WG1557632
Potassium	0.676	J	0.534	2.00	1	10/12/2020 21:30	WG1557632
Selenium	0.00134	J	0.000657	0.00200	1	10/12/2020 21:30	WG1557632
Sodium	306		0.630	2.00	1	10/12/2020 21:30	WG1557632
Uranium	0.0118	J	0.00754	0.0200	1	10/12/2020 21:30	WG1557632
Vanadium	0.00555		0.000986	0.00500	1	10/12/2020 21:30	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0992	J	0.0314	0.100	1	10/17/2020 11:59	WG1560698

Collected date/time: 10/06/20 10:25

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Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	113			78.0-120		10/17/2020 11:59	WG1560698

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 19:50	WG1560897
Benzene	0.00234		0.0000941	0.00100	1	10/17/2020 19:50	WG1560897
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 19:50	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 19:50	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 19:50	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 19:50	WG1560897
sec-Butylbenzene	0.00279		0.000125	0.00100	1	10/17/2020 19:50	WG1560897
Carbon disulfide	0.000169	B J	0.0000962	0.00100	1	10/17/2020 19:50	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 19:50	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 19:50	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 19:50	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 19:50	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 19:50	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 19:50	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 19:50	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 19:50	WG1560897
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 19:50	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 19:50	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 19:50	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 19:50	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 19:50	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 19:50	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 19:50	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 19:50	WG1560897
Isopropylbenzene	0.000380	J	0.000105	0.00100	1	10/17/2020 19:50	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 19:50	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 19:50	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 19:50	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 19:50	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 19:50	WG1560897
Methyl tert-butyl ether	0.00307		0.000101	0.00100	1	10/17/2020 19:50	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 19:50	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 19:50	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 19:50	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 19:50	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 19:50	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 19:50	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 19:50	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 19:50	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 19:50	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 19:50	WG1560897
1,2,4-Trimethylbenzene	0.00151		0.000322	0.00100	1	10/17/2020 19:50	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 19:50	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 19:50	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 19:50	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 19:50	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 19:50	WG1560897
(S) Toluene-d8	108			80.0-120		10/17/2020 19:50	WG1560897
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 19:50	WG1560897
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 19:50	WG1560897

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

Collected date/time: 10/06/20 10:25

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.376		0.0247	0.100	1	10/14/2020 14:58	WG1557908
(S) o-Terphenyl	108			31.0-160		10/14/2020 14:58	WG1557908

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/06/20 11:10

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3130		3.75	13.3	1	10/13/2020 19:46	WG1558089

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.03		0.0500	0.100	1	10/21/2020 18:16	WG1560789

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/16/2020 03:54	WG1559964

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	365		37.9	100	100	10/13/2020 23:28	WG1558271
Fluoride	0.395		0.0640	0.150	1	10/13/2020 23:17	WG1558271
Sulfate	1380		59.4	500	100	10/13/2020 23:28	WG1558271

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/13/2020 08:54	WG1557453

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Boron	0.111	J	0.0254	0.200	1	10/13/2020 14:43	WG1557841

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.00368	0.0100	5	10/13/2020 00:33	WG1557632
Barium	U		0.0389	0.100	5	10/13/2020 00:33	WG1557632
Cadmium	U		0.00239	0.00500	5	10/13/2020 00:33	WG1557632
Calcium	509		2.40	5.00	5	10/13/2020 00:33	WG1557632
Chromium	U		0.00745	0.0100	5	10/13/2020 00:33	WG1557632
Cobalt	U		0.00238	0.0100	5	10/13/2020 00:33	WG1557632
Iron	U		0.244	0.500	5	10/13/2020 00:33	WG1557632
Lead	U		0.0124	0.0250	5	10/13/2020 00:33	WG1557632
Manganese	U		0.00660	0.0250	5	10/13/2020 00:33	WG1557632
Nickel	U		0.00476	0.0100	5	10/13/2020 00:33	WG1557632
Potassium	U		2.67	10.0	5	10/13/2020 00:33	WG1557632
Selenium	0.00750	J	0.00328	0.0100	5	10/13/2020 00:33	WG1557632
Sodium	100		3.15	10.0	5	10/13/2020 00:33	WG1557632
Uranium	U		0.0377	0.100	5	10/13/2020 00:33	WG1557632
Vanadium	0.00905	J	0.00493	0.0250	5	10/13/2020 00:33	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/17/2020 12:25	WG1560698

Collected date/time: 10/06/20 11:10

L1271301

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120		10/17/2020 12:25	WG1560698

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 20:11	WG1560897
Benzene	0.00192		0.0000941	0.00100	1	10/17/2020 20:11	WG1560897
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 20:11	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 20:11	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 20:11	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 20:11	WG1560897
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 20:11	WG1560897
Carbon disulfide	0.000191	B J	0.0000962	0.00100	1	10/17/2020 20:11	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 20:11	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 20:11	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 20:11	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 20:11	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 20:11	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 20:11	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 20:11	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 20:11	WG1560897
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 20:11	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 20:11	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 20:11	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 20:11	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 20:11	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 20:11	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 20:11	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 20:11	WG1560897
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 20:11	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 20:11	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 20:11	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 20:11	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 20:11	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 20:11	WG1560897
Methyl tert-butyl ether	0.00156		0.000101	0.00100	1	10/17/2020 20:11	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 20:11	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 20:11	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 20:11	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 20:11	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 20:11	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 20:11	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 20:11	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 20:11	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 20:11	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 20:11	WG1560897
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 20:11	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 20:11	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 20:11	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 20:11	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 20:11	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 20:11	WG1560897
(S) Toluene-d8	112			80.0-120		10/17/2020 20:11	WG1560897
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 20:11	WG1560897
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 20:11	WG1560897

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

Collected date/time: 10/06/20 11:10

L1271301

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0956	J	0.0247	0.100	1	10/14/2020 15:23	WG1557908
(S) o-Terphenyl	100			31.0-160		10/14/2020 15:23	WG1557908

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

Collected date/time: 10/07/20 09:25

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3530		5.64	20.0	1	10/14/2020 22:24	WG1558087

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/21/2020 18:17	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	418		37.9	100	100	10/13/2020 23:49	WG1558271
Fluoride	1.47		0.0640	0.150	1	10/13/2020 23:38	WG1558271
Sulfate	1430		59.4	500	100	10/13/2020 23:49	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	0.0170		0.000735	0.00200	1	10/12/2020 17:10	WG1557632
Barium	0.0188	J	0.00778	0.0200	1	10/12/2020 17:10	WG1557632
Calcium	336		0.480	1.00	1	10/12/2020 17:10	WG1557632
Chromium	U		0.00149	0.00200	1	10/12/2020 17:10	WG1557632
Iron	0.294		0.0489	0.100	1	10/12/2020 17:10	WG1557632
Lead	U		0.00249	0.00500	1	10/12/2020 17:10	WG1557632
Manganese	0.233	V	0.00132	0.00500	1	10/12/2020 17:10	WG1557632
Potassium	1.90	J	0.534	2.00	1	10/12/2020 17:10	WG1557632
Selenium	0.000944	J	0.000657	0.00200	1	10/12/2020 17:10	WG1557632
Sodium	333	V	0.630	2.00	1	10/12/2020 17:10	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0886	J	0.0314	0.100	1	10/17/2020 12:51	WG1560698
(S) a,a,a-Trifluorotoluene(FID)	111			78.0-120		10/17/2020 12:51	WG1560698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 20:32	WG1560897
Benzene	0.00158		0.0000941	0.00100	1	10/17/2020 20:32	WG1560897
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 20:32	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 20:32	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 20:32	WG1560897
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2020 20:32	WG1560897
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2020 20:32	WG1560897
Carbon disulfide	0.000298	B J	0.0000962	0.00100	1	10/17/2020 20:32	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 20:32	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 20:32	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 20:32	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 20:32	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 20:32	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 20:32	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 20:32	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 20:32	WG1560897

Collected date/time: 10/07/20 09:25

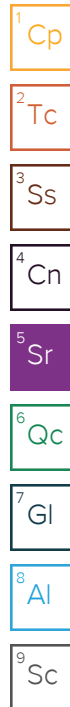
L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 20:32	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 20:32	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 20:32	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 20:32	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 20:32	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 20:32	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 20:32	WG1560897
Ethylbenzene	U		0.000137	0.00100	1	10/17/2020 20:32	WG1560897
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2020 20:32	WG1560897
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2020 20:32	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 20:32	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 20:32	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 20:32	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 20:32	WG1560897
Methyl tert-butyl ether	0.00251		0.000101	0.00100	1	10/17/2020 20:32	WG1560897
Naphthalene	U		0.00100	0.00500	1	10/17/2020 20:32	WG1560897
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2020 20:32	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 20:32	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 20:32	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 20:32	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 20:32	WG1560897
Toluene	U		0.000278	0.00100	1	10/17/2020 20:32	WG1560897
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2020 20:32	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 20:32	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 20:32	WG1560897
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2020 20:32	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 20:32	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 20:32	WG1560897
o-Xylene	U		0.000174	0.00100	1	10/17/2020 20:32	WG1560897
m&p-Xylene	U		0.000430	0.00200	1	10/17/2020 20:32	WG1560897
Xylenes, Total	U		0.000174	0.00300	1	10/17/2020 20:32	WG1560897
(S) Toluene-d8	108			80.0-120		10/17/2020 20:32	WG1560897
(S) 4-Bromofluorobenzene	106			77.0-126		10/17/2020 20:32	WG1560897
(S) 1,2-Dichloroethane-d4	101			70.0-130		10/17/2020 20:32	WG1560897

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.28		0.0247	0.100	1	10/15/2020 10:26	WG1557911
(S) o-Terphenyl	97.9			31.0-160		10/15/2020 10:26	WG1557911



Collected date/time: 10/07/20 08:00

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2210		2.82	10.0	1	10/14/2020 22:24	WG1558087

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.128		0.0500	0.100	1	10/21/2020 18:19	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	185		7.58	20.0	20	10/14/2020 00:22	WG1558271
Fluoride	0.536		0.0640	0.150	1	10/14/2020 00:11	WG1558271
Sulfate	786		11.9	100	20	10/14/2020 00:22	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.00368	0.0100	5	10/13/2020 00:36	WG1557632
Barium	0.0408	J	0.0389	0.100	5	10/13/2020 00:36	WG1557632
Calcium	280		2.40	5.00	5	10/13/2020 00:36	WG1557632
Chromium	U		0.00745	0.0100	5	10/13/2020 00:36	WG1557632
Iron	U		0.244	0.500	5	10/13/2020 00:36	WG1557632
Lead	U		0.0124	0.0250	5	10/13/2020 00:36	WG1557632
Manganese	1.12		0.00660	0.0250	5	10/13/2020 00:36	WG1557632
Potassium	U		2.67	10.0	5	10/13/2020 00:36	WG1557632
Selenium	U		0.00328	0.0100	5	10/13/2020 00:36	WG1557632
Sodium	177		3.15	10.0	5	10/13/2020 00:36	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.30		0.0314	0.100	1	10/17/2020 13:16	WG1560698
(S) a,a,a-Trifluorotoluene(FID)	96.6			78.0-120		10/17/2020 13:16	WG1560698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2020 20:52	WG1560897
Benzene	0.428		0.000941	0.0100	10	10/19/2020 21:37	WG1561763
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2020 20:52	WG1560897
Bromoform	U		0.000129	0.00100	1	10/17/2020 20:52	WG1560897
Bromomethane	U		0.000605	0.00500	1	10/17/2020 20:52	WG1560897
n-Butylbenzene	0.00112		0.000157	0.00100	1	10/17/2020 20:52	WG1560897
sec-Butylbenzene	0.00332		0.000125	0.00100	1	10/17/2020 20:52	WG1560897
Carbon disulfide	0.000234	B J	0.0000962	0.00100	1	10/17/2020 20:52	WG1560897
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2020 20:52	WG1560897
Chlorobenzene	U		0.000116	0.00100	1	10/17/2020 20:52	WG1560897
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2020 20:52	WG1560897
Chloroethane	U		0.000192	0.00500	1	10/17/2020 20:52	WG1560897
Chloroform	U		0.000111	0.00500	1	10/17/2020 20:52	WG1560897
Chloromethane	U		0.000960	0.00250	1	10/17/2020 20:52	WG1560897
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2020 20:52	WG1560897
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2020 20:52	WG1560897

Collected date/time: 10/07/20 08:00

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2020 20:52	WG1560897
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2020 20:52	WG1560897
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2020 20:52	WG1560897
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2020 20:52	WG1560897
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2020 20:52	WG1560897
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/17/2020 20:52	WG1560897
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/17/2020 20:52	WG1560897
Ethylbenzene	0.137		0.000137	0.00100	1	10/17/2020 20:52	WG1560897
Isopropylbenzene	0.0226		0.000105	0.00100	1	10/17/2020 20:52	WG1560897
p-Isopropyltoluene	0.00191		0.000120	0.00100	1	10/17/2020 20:52	WG1560897
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2020 20:52	WG1560897
2-Hexanone	U		0.000787	0.0100	1	10/17/2020 20:52	WG1560897
Methylene Chloride	U		0.000430	0.00500	1	10/17/2020 20:52	WG1560897
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2020 20:52	WG1560897
Methyl tert-butyl ether	0.0118		0.000101	0.00100	1	10/17/2020 20:52	WG1560897
Naphthalene	0.0104		0.00100	0.00500	1	10/17/2020 20:52	WG1560897
n-Propylbenzene	0.0295		0.0000993	0.00100	1	10/17/2020 20:52	WG1560897
Styrene	U		0.000118	0.00100	1	10/17/2020 20:52	WG1560897
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2020 20:52	WG1560897
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2020 20:52	WG1560897
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2020 20:52	WG1560897
Toluene	0.00403		0.000278	0.00100	1	10/17/2020 20:52	WG1560897
1,1,1-Trichloroethane	0.000154	U	0.000149	0.00100	1	10/17/2020 20:52	WG1560897
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2020 20:52	WG1560897
Trichloroethene	U		0.000190	0.00100	1	10/17/2020 20:52	WG1560897
1,2,4-Trimethylbenzene	0.114		0.000322	0.00100	1	10/17/2020 20:52	WG1560897
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2020 20:52	WG1560897
Vinyl chloride	U		0.000234	0.00100	1	10/17/2020 20:52	WG1560897
o-Xylene	0.000755	U	0.000174	0.00100	1	10/17/2020 20:52	WG1560897
m&p-Xylene	0.165		0.000430	0.00200	1	10/17/2020 20:52	WG1560897
Xylenes, Total	0.166		0.000174	0.00300	1	10/17/2020 20:52	WG1560897
(S) Toluene-d8	105			80.0-120		10/17/2020 20:52	WG1560897
(S) Toluene-d8	107			80.0-120		10/19/2020 21:37	WG1561763
(S) 4-Bromofluorobenzene	100			77.0-126		10/17/2020 20:52	WG1560897
(S) 4-Bromofluorobenzene	101			77.0-126		10/19/2020 21:37	WG1561763
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/17/2020 20:52	WG1560897
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/19/2020 21:37	WG1561763

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

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.814		0.0247	0.100	1	10/15/2020 10:46	WG1557911
(S) o-Terphenyl	127			31.0-160		10/15/2020 10:46	WG1557911

Collected date/time: 10/07/20 09:20

L1271301

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7.00	<u>B J</u>	2.82	10.0	1	10/14/2020 22:24	WG1558087

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/21/2020 18:20	WG1560789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1.25		0.379	1.00	1	10/14/2020 00:00	WG1558271
Fluoride	U		0.0640	0.150	1	10/14/2020 00:00	WG1558271
Sulfate	3.22	<u>J</u>	0.594	5.00	1	10/14/2020 00:00	WG1558271

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	10/13/2020 00:07	WG1557632
Barium	U		0.00778	0.0200	1	10/13/2020 00:07	WG1557632
Calcium	U		0.480	1.00	1	10/13/2020 00:07	WG1557632
Chromium	U		0.00149	0.00200	1	10/13/2020 00:07	WG1557632
Iron	U		0.0489	0.100	1	10/13/2020 00:07	WG1557632
Lead	U		0.00249	0.00500	1	10/13/2020 00:07	WG1557632
Manganese	U		0.00132	0.00500	1	10/13/2020 00:07	WG1557632
Potassium	U		0.534	2.00	1	10/13/2020 00:07	WG1557632
Selenium	U		0.000657	0.00200	1	10/13/2020 00:07	WG1557632
Sodium	U		0.630	2.00	1	10/13/2020 00:07	WG1557632

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/17/2020 10:42	WG1560698
(S) a,a,a-Trifluorotoluene(FID)	111			78.0-120		10/17/2020 10:42	WG1560698

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/19/2020 03:36	WG1561357
Benzene	0.000133	<u>B J</u>	0.0000941	0.00100	1	10/19/2020 03:36	WG1561357
Bromodichloromethane	U		0.000136	0.00100	1	10/19/2020 03:36	WG1561357
Bromoform	U		0.000129	0.00100	1	10/19/2020 03:36	WG1561357
Bromomethane	U		0.000605	0.00500	1	10/19/2020 03:36	WG1561357
n-Butylbenzene	U		0.000157	0.00100	1	10/19/2020 03:36	WG1561357
sec-Butylbenzene	U		0.000125	0.00100	1	10/19/2020 03:36	WG1561357
Carbon disulfide	0.000239	<u>B J</u>	0.0000962	0.00100	1	10/19/2020 03:36	WG1561357
Carbon tetrachloride	U		0.000128	0.00100	1	10/19/2020 03:36	WG1561357
Chlorobenzene	U		0.000116	0.00100	1	10/19/2020 03:36	WG1561357
Chlorodibromomethane	U		0.000140	0.00100	1	10/19/2020 03:36	WG1561357
Chloroethane	U		0.000192	0.00500	1	10/19/2020 03:36	WG1561357
Chloroform	U		0.000111	0.00500	1	10/19/2020 03:36	WG1561357
Chloromethane	U		0.000960	0.00250	1	10/19/2020 03:36	WG1561357
1,2-Dibromoethane	U		0.000126	0.00100	1	10/19/2020 03:36	WG1561357
1,1-Dichloroethane	U		0.000100	0.00100	1	10/19/2020 03:36	WG1561357

Collected date/time: 10/07/20 09:20

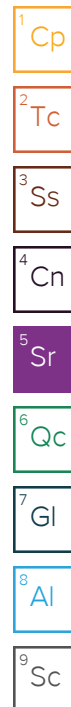
L1271301

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/19/2020 03:36	WG1561357
1,1-Dichloroethene	U		0.000188	0.00100	1	10/19/2020 03:36	WG1561357
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/19/2020 03:36	WG1561357
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/19/2020 03:36	WG1561357
1,2-Dichloropropane	U		0.000149	0.00100	1	10/19/2020 03:36	WG1561357
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/19/2020 03:36	WG1561357
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/19/2020 03:36	WG1561357
Ethylbenzene	U		0.000137	0.00100	1	10/19/2020 03:36	WG1561357
Isopropylbenzene	U		0.000105	0.00100	1	10/19/2020 03:36	WG1561357
p-Isopropyltoluene	U		0.000120	0.00100	1	10/19/2020 03:36	WG1561357
2-Butanone (MEK)	U		0.00119	0.0100	1	10/19/2020 03:36	WG1561357
2-Hexanone	U		0.000787	0.0100	1	10/19/2020 03:36	WG1561357
Methylene Chloride	U		0.000430	0.00500	1	10/19/2020 03:36	WG1561357
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/19/2020 03:36	WG1561357
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/19/2020 03:36	WG1561357
Naphthalene	U		0.00100	0.00500	1	10/19/2020 03:36	WG1561357
n-Propylbenzene	U		0.0000993	0.00100	1	10/19/2020 03:36	WG1561357
Styrene	U		0.000118	0.00100	1	10/19/2020 03:36	WG1561357
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/19/2020 03:36	WG1561357
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/19/2020 03:36	WG1561357
Tetrachloroethene	U		0.000300	0.00100	1	10/19/2020 03:36	WG1561357
Toluene	U		0.000278	0.00100	1	10/19/2020 03:36	WG1561357
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/19/2020 03:36	WG1561357
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/19/2020 03:36	WG1561357
Trichloroethene	U		0.000190	0.00100	1	10/19/2020 03:36	WG1561357
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/19/2020 03:36	WG1561357
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/19/2020 03:36	WG1561357
Vinyl chloride	U		0.000234	0.00100	1	10/19/2020 03:36	WG1561357
o-Xylene	U		0.000174	0.00100	1	10/19/2020 03:36	WG1561357
m&p-Xylene	U		0.000430	0.00200	1	10/19/2020 03:36	WG1561357
Xylenes, Total	U		0.000174	0.00300	1	10/19/2020 03:36	WG1561357
(S) Toluene-d8	109			80.0-120		10/19/2020 03:36	WG1561357
(S) 4-Bromofluorobenzene	100			77.0-126		10/19/2020 03:36	WG1561357
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/19/2020 03:36	WG1561357

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2020 11:06	WG1557911
(S) o-Terphenyl	85.8			31.0-160		10/15/2020 11:06	WG1557911



Gravimetric Analysis by Method 2540 C-2011

[L1271301-01,02,03,04,06,08,09,10,11,12,13,14,15,16](#)

Method Blank (MB)

(MB) R3581348-1 10/13/20 14:38

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1271301-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-08 10/13/20 14:38 • (DUP) R3581348-3 10/13/20 14:38

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3870	4090	1	5.53	<u>J3</u>	5

L1271301-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-16 10/13/20 14:38 • (DUP) R3581348-4 10/13/20 14:38

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3520	3480	1	1.07		5

Laboratory Control Sample (LCS)

(LCS) R3581348-2 10/13/20 14:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8540	97.0	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Gravimetric Analysis by Method 2540 C-2011

[L1271301-17,18,19,23,24,26,27,28,29,30,31,32,33,34](#)

Method Blank (MB)

(MB) R3581629-1 10/13/20 17:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	5.00	⬇	2.82	10.0

L1271301-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-24 10/13/20 17:56 • (DUP) R3581629-3 10/13/20 17:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4350	4580	1	4.97		5

L1271301-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-34 10/13/20 17:56 • (DUP) R3581629-4 10/13/20 17:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	7810	7560	1	3.30		5

Laboratory Control Sample (LCS)

(LCS) R3581629-2 10/13/20 17:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8490	96.5	77.4-123	

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

Gravimetric Analysis by Method 2540 C-2011 [L1271301-35,36,37,38,39,40,41,42,43,44,49,50,51](#)

Method Blank (MB)

(MB) R3581627-1 10/13/20 17:56

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1271301-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-38 10/13/20 17:56 • (DUP) R3581627-3 10/13/20 17:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Dissolved Solids	4970	4790	1	3.65		5

L1271301-51 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-51 10/13/20 17:56 • (DUP) R3581627-4 10/13/20 17:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Dissolved Solids	3690	3770	1	2.36		5

Laboratory Control Sample (LCS)

(LCS) R3581627-2 10/13/20 17:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Dissolved Solids	8800	8690	98.8	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Gravimetric Analysis by Method 2540 C-2011

L1271301-56

Method Blank (MB)

(MB) R3581978-1 10/13/20 23:02

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1271239-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271239-01 10/13/20 23:02 • (DUP) R3581978-3 10/13/20 23:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1940	1930	1	0.310		5

L1271812-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1271812-09 10/13/20 23:02 • (DUP) R3581978-4 10/13/20 23:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3560	3610	1	1.45		5

Laboratory Control Sample (LCS)

(LCS) R3581978-2 10/13/20 23:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8870	101	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

L1271301-07,21,22,25

Method Blank (MB)

(MB) R3582135-1 10/14/20 02:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	3.00	⬇	2.82	10.0

L1271259-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271259-01 10/14/20 02:47 • (DUP) R3582135-3 10/14/20 02:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	971	980	1	0.923		5

L1271609-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271609-01 10/14/20 02:47 • (DUP) R3582135-4 10/14/20 02:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	900	911	1	1.21		5

Laboratory Control Sample (LCS)

(LCS) R3582135-2 10/14/20 02:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8810	100	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

L1271301-52,57,60,61,62

Method Blank (MB)

(MB) R3582479-1 10/14/20 22:24

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	3.00	⬇	2.82	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1270283-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1270283-01 10/14/20 22:24 • (DUP) R3582479-3 10/14/20 22:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	183	187	1	2.16		5

L1270444-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1270444-01 10/14/20 22:24 • (DUP) R3582479-4 10/14/20 22:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1390	1410	1	1.50		5

Laboratory Control Sample (LCS)

(LCS) R3582479-2 10/14/20 22:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8790	99.9	77.4-123	

Gravimetric Analysis by Method 2540 C-2011 [L1271301-58,59](#)

Method Blank (MB)

(MB) R3581630-1 10/13/20 19:46

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1271301-58 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-58 10/13/20 19:46 • (DUP) R3581630-3 10/13/20 19:46

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2930	2960	1	0.952		5

L1271301-59 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-59 10/13/20 19:46 • (DUP) R3581630-4 10/13/20 19:46

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3130	3210	1	2.48		5

Laboratory Control Sample (LCS)

(LCS) R3581630-2 10/13/20 19:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8520	96.8	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Gravimetric Analysis by Method 2540 C-2011

[L1271301-05,20,53,54,55](#)

Method Blank (MB)

(MB) R3581958-1 10/13/20 21:36

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	10.0

L1270630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270630-02 10/13/20 21:36 • (DUP) R3581958-3 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	159	155	1	2.55		5

L1271301-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-53 10/13/20 21:36 • (DUP) R3581958-4 10/13/20 21:36

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	4440	4390	1	1.27		5

Laboratory Control Sample (LCS)

(LCS) R3581958-2 10/13/20 21:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8840	100	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 353.2

[L1271301-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3582489-1 10/16/20 20:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271298-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-22 10/16/20 20:04 • (DUP) R3582489-3 10/16/20 20:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1271298-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-36 10/16/20 20:21 • (DUP) R3582489-5 10/16/20 20:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.0505	0.0526	1	4.07	<u>J</u>	20

Laboratory Control Sample (LCS)

(LCS) R3582489-2 10/16/20 20:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	2.34	93.6	90.0-110	

L1271298-35 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271298-35 10/16/20 20:19 • (MS) R3582489-4 10/16/20 20:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.245	2.40	86.2	1	90.0-110	<u>J6</u>

L1271301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-02 10/16/20 20:52 • (MS) R3582489-6 10/16/20 20:53 • (MSD) R3582489-7 10/16/20 20:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	0.250	15.3	17.8	17.4	100	84.0	10	90.0-110		<u>V</u>	2.27	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 353.2

L1271301-08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Method Blank (MB)

(MB) R3582451-1 10/16/20 16:21

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271301-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-20 10/16/20 16:30 • (DUP) R3582451-5 10/16/20 16:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	U	U	1	0.000		20

L1271301-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-23 10/16/20 18:05 • (DUP) R3582451-7 10/16/20 18:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.203	0.205	1	0.980		20

Laboratory Control Sample (LCS)

(LCS) R3582451-2 10/16/20 16:23

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Nitrate-Nitrite	4.00	2.35	94.0	90.0-110	

L1271301-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-19 10/16/20 16:26 • (MS) R3582451-3 10/16/20 16:28 • (MSD) R3582451-4 10/16/20 16:29

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	2.50	U	2.67	2.13	107	85.2	1	90.0-110		J3 J6	22.5	20

L1271301-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-16 10/16/20 16:57 • (MS) R3582451-6 10/16/20 16:58

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	2.50	9.01	11.2	87.6	1	90.0-110	E J6

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 353.2

L1271301-28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,49,50,51

Method Blank (MB)

(MB) R3582077-1 10/15/20 21:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271301-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-28 10/15/20 21:21 • (DUP) R3582077-3 10/15/20 21:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	U	U	1	0.000		20

L1271301-50 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-50 10/15/20 21:54 • (DUP) R3582077-4 10/15/20 21:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582077-2 10/15/20 21:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Nitrate-Nitrite	4.00	2.38	95.2	90.0-110	

L1271301-51 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-51 10/15/20 21:56 • (MS) R3582077-5 10/15/20 21:58 • (MSD) R3582077-6 10/15/20 21:59

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	2.50	U	2.60	2.51	104	100	1	90.0-110			3.52	20

L1271301-34 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-34 10/15/20 22:00 • (MS) R3582077-7 10/15/20 22:01

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	0.0500	78.5	80.0	60.0	50	90.0-110	✓

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 353.2

L1271301-52,53,54,55,56,57,58,59,60,61,62

Method Blank (MB)

(MB) R3584086-1 10/21/20 17:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1271301-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-53 10/21/20 18:01 • (DUP) R3584086-3 10/21/20 18:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Nitrate-Nitrite	U	U	20	0.000		20

Sample Narrative:

OS: dilution due to sulfide interference

L1271467-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271467-01 10/21/20 18:29 • (DUP) R3584086-6 10/21/20 18:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Nitrate-Nitrite	2.39	2.38	1	0.419		20

Laboratory Control Sample (LCS)

(LCS) R3584086-2 10/21/20 17:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Nitrate-Nitrite	4.00	2.50	100	90.0-110	

L1271301-55 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-55 10/21/20 18:05 • (MS) R3584086-4 10/21/20 18:06 • (MSD) R3584086-5 10/21/20 18:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	2.50	0.842	3.09	2.93	89.9	83.5	1	90.0-110	J6	J6	5.32	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 353.2

[L1271301-52,53,54,55,56,57,58,59,60,61,62](#)

L1271481-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271481-02 10/21/20 18:35 • (MS) R3584086-7 10/21/20 18:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Nitrate-Nitrite	2.50	U	2.31	89.6	1	90.0-110	<u>J6</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 4500CN E-2011

L1271301-14,16,17,21,22,23,39,40,43,44,49

Method Blank (MB)

(MB) R3582097-1 10/16/20 00:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Cyanide	U		0.00180	0.00500

L1270328-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270328-02 10/16/20 00:21 • (DUP) R3582097-3 10/16/20 00:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Cyanide	0.00181	0.00206	1	0.000		20

L1270562-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270562-02 10/16/20 00:23 • (DUP) R3582097-4 10/16/20 00:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Cyanide	0.00261	0.00222	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582097-2 10/16/20 00:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Cyanide	0.100	0.101	101	87.1-120	

L1270653-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1270653-01 10/16/20 00:25 • (MS) R3582097-5 10/16/20 00:26 • (MSD) R3582097-6 10/16/20 00:29

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Cyanide	0.100	U	U	U	0.000	0.000	1	90.0-110	J6	J6	0.000	20

L1271301-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-14 10/16/20 00:30 • (MS) R3582097-7 10/16/20 00:31 • (MSD) R3582097-8 10/16/20 00:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Cyanide	0.100	U	0.0979	0.0991	97.9	99.1	1	90.0-110			1.22	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 4500CN E-2011

L1271301-53,56,58,59

Method Blank (MB)

(MB) R3582104-1 10/16/20 03:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1270884-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270884-02 10/16/20 03:45 • (DUP) R3582104-3 10/16/20 03:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.0278	0.0249	1	11.0		20

L1271478-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1271478-02 10/16/20 03:59 • (DUP) R3582104-6 10/16/20 04:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582104-2 10/16/20 03:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0954	95.4	87.1-120	

L1271301-56 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-56 10/16/20 03:48 • (MS) R3582104-4 10/16/20 03:49 • (MSD) R3582104-5 10/16/20 03:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0877	0.0849	87.7	84.9	1	90.0-110	J6	J6	3.24	20

L1271535-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271535-01 10/16/20 04:02 • (MS) R3582104-7 10/16/20 04:05 • (MSD) R3582104-8 10/16/20 04:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0976	0.00281	97.6	2.81	1	90.0-110		J3 J6	189	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 4500CN E-2011

[L1271301-02,11](#)

Method Blank (MB)

(MB) R3582107-1 10/16/20 04:25

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1270958-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1270958-02 10/16/20 04:34 • (DUP) R3582107-3 10/16/20 04:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Cyanide	U	0.00187	1	0.000		20

L1271284-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1271284-07 10/16/20 04:45 • (DUP) R3582107-6 10/16/20 04:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3582107-2 10/16/20 04:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Cyanide	0.100	0.106	106	87.1-120	

L1271000-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271000-02 10/16/20 04:39 • (MS) R3582107-4 10/16/20 04:40 • (MSD) R3582107-5 10/16/20 04:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cyanide	0.100	0.00382	0.108	0.103	104	99.2	1	90.0-110			4.74	20

L1271576-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271576-03 10/16/20 05:24 • (MS) R3582107-7 10/16/20 05:25 • (MSD) R3582107-8 10/16/20 05:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cyanide	0.100	0.00223	0.0894	0.0935	87.2	91.3	1	90.0-110	<u>J6</u>		4.48	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9056A

L1271301-41,42,43,44,49,50,51

Method Blank (MB)

(MB) R3581674-1 10/14/20 14:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271298-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271298-36 10/14/20 22:25 • (DUP) R3581674-3 10/14/20 22:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.84	5.83	1	0.0771		15
Fluoride	U	U	1	0.000		15
Sulfate	5.05	4.95	1	1.95	J	15

L1271301-44 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-44 10/15/20 02:00 • (DUP) R3581674-6 10/15/20 02:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.428	1	200	J P1	15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3581674-2 10/14/20 15:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.1	97.8	80.0-120	
Fluoride	8.00	8.02	100	80.0-120	
Sulfate	40.0	39.1	97.7	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

L1271301-41,42,43,44,49,50,51

L1271298-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-36 10/14/20 22:25 • (MS) R3581674-4 10/14/20 23:00 • (MSD) R3581674-5 10/14/20 23:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	5.84	55.8	56.1	99.9	100	1	80.0-120			0.546	15
Fluoride	5.00	U	5.00	5.03	99.9	101	1	80.0-120			0.666	15
Sulfate	50.0	5.05	54.9	55.2	99.7	100	1	80.0-120			0.487	15

L1271301-44 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-44 10/15/20 02:00 • (MS) R3581674-7 10/15/20 02:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	49.7	99.4	1	80.0-120	
Fluoride	5.00	U	4.99	99.8	1	80.0-120	
Sulfate	50.0	U	49.4	98.8	1	80.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Wet Chemistry by Method 9056A

[L1271301-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3581782-1 10/14/20 16:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271301-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-01 10/14/20 17:04 • (DUP) R3581782-3 10/14/20 17:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Fluoride	0.758	0.765	1	0.814	15

L1271301-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-01 10/14/20 17:41 • (DUP) R3581782-4 10/14/20 17:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	188	189	100	0.462	15
Sulfate	882	882	100	0.0274	15

L1271301-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-19 10/15/20 08:08 • (DUP) R3581782-8 10/15/20 08:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Fluoride	0.710	0.711	1	0.0844	15
Sulfate	8.17	7.08	1	14.4	15

L1271301-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-19 10/15/20 08:45 • (DUP) R3581782-9 10/15/20 09:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Chloride	310	310	10	0.0328	15

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 9056A L1271301-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Laboratory Control Sample (LCS)

(LCS) R3581782-2 10/14/20 16:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloride	40.0	39.5	98.7	80.0-120	
Fluoride	8.00	8.12	102	80.0-120	
Sulfate	40.0	39.6	99.0	80.0-120	

L1271301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-02 10/14/20 18:17 • (MS) R3581782-5 10/14/20 18:36 • (MSD) R3581782-6 10/14/20 18:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	201	243	243	83.8	83.9	1	80.0-120	<u>E</u>	<u>E</u>	0.0237	15
Fluoride	5.00	1.62	6.44	6.45	96.4	96.8	1	80.0-120			0.258	15
Sulfate	50.0	1250	1260	1260	19.1	20.3	1	80.0-120	<u>E V</u>	<u>E V</u>	0.0475	15

L1271301-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-12 10/15/20 02:17 • (MS) R3581782-7 10/15/20 03:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	225	265	80.8	1	80.0-120	<u>E</u>
Fluoride	5.00	0.706	5.35	92.8	1	80.0-120	
Sulfate	50.0	1580	1590	11.8	1	80.0-120	<u>E V</u>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

L1271301-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40

Method Blank (MB)

(MB) R3581561-1 10/13/20 19:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1271301-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-21 10/13/20 21:28 • (DUP) R3581561-3 10/13/20 21:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	192	192	1	0.0746	E	15
Fluoride	1.12	1.12	1	0.0714		15
Sulfate	6.68	6.70	1	0.214		15

L1271301-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-21 10/13/20 22:41 • (DUP) R3581561-6 10/13/20 22:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	189	189	5	0.0751		15

L1271301-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-36 10/14/20 09:46 • (DUP) R3581561-7 10/14/20 10:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	132	132	1	0.00689	E	15
Fluoride	1.15	1.15	1	0.0867		15
Sulfate	103	94.2	1	8.76		15

L1271301-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-36 10/14/20 10:41 • (DUP) R3581561-9 10/14/20 11:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	128	127	5	0.180		15
Sulfate	69.3	89.1	5	25.0	P1	15

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9056A

L1271301-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40

Laboratory Control Sample (LCS)

(LCS) R3581561-2 10/13/20 20:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloride	40.0	39.4	98.4	80.0-120	
Fluoride	8.00	8.10	101	80.0-120	
Sulfate	40.0	39.6	99.1	80.0-120	

L1271301-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-21 10/13/20 21:28 • (MS) R3581561-4 10/13/20 22:04 • (MSD) R3581561-5 10/13/20 22:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	192	233	232	80.8	79.9	1	80.0-120	<u>E</u>	<u>E J6</u>	0.186	15
Fluoride	5.00	1.12	5.90	5.89	95.6	95.3	1	80.0-120			0.268	15
Sulfate	50.0	6.68	54.6	54.5	95.9	95.6	1	80.0-120			0.285	15

L1271301-36 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-36 10/14/20 09:46 • (MS) R3581561-8 10/14/20 10:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	132	176	88.5	1	80.0-120	<u>E</u>
Fluoride	5.00	1.15	6.24	102	1	80.0-120	
Sulfate	50.0	103	136	66.2	1	80.0-120	<u>E J6</u>

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Wet Chemistry by Method 9056A

[L1271301-52,53,54,55,56,57,58,59,60,61,62](#)

Method Blank (MB)

(MB) R3581370-1 10/13/20 08:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1272493-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1272493-01 10/13/20 12:49 • (DUP) R3581370-3 10/13/20 13:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	122	124	1	1.50	E	15
Fluoride	3.29	3.38	1	2.71		15
Sulfate	113	116	1	2.04	E	15

L1271301-52 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-52 10/13/20 19:29 • (DUP) R3581370-6 10/13/20 19:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.527	0.542	1	2.77		15

L1271301-52 Original Sample (OS) • Duplicate (DUP)

(OS) L1271301-52 10/13/20 19:50 • (DUP) R3581370-7 10/13/20 20:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	177	178	20	0.205		15
Sulfate	773	774	20	0.0836		15

Laboratory Control Sample (LCS)

(LCS) R3581370-2 10/13/20 08:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.3	80.0-120	
Fluoride	8.00	8.07	101	80.0-120	
Sulfate	40.0	38.6	96.5	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 9056A L1271301-52,53,54,55,56,57,58,59,60,61,62

L1272493-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272493-02 10/13/20 13:11 • (MS) R3581370-4 10/13/20 13:22 • (MSD) R3581370-5 10/13/20 13:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	161	206	205	90.1	86.8	1	80.0-120	E	E	0.801	15
Fluoride	5.00	3.17	8.35	8.45	104	106	1	80.0-120			1.28	15
Sulfate	50.0	133	184	184	102	102	1	80.0-120	E	E	0.0251	15

L1271301-54 Original Sample (OS) • Matrix Spike (MS)

(OS) L1271301-54 10/13/20 20:56 • (MS) R3581370-8 10/13/20 21:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	119	164	89.5	1	80.0-120	E
Fluoride	5.00	0.358	5.10	94.8	1	80.0-120	
Sulfate	50.0	1230	1250	42.4	1	80.0-120	E V

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

[L1271301-02,11,14,16,17,21,22,23,39,40,43,44,49](#)

Method Blank (MB)

(MB) R3580958-1 10/13/20 09:22

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3580958-2 10/13/20 09:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Mercury	0.00300	0.00327	109	80.0-120	

L1271411-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271411-04 10/13/20 09:32 • (MS) R3580958-3 10/13/20 09:34 • (MSD) R3580958-4 10/13/20 09:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Mercury	0.00300	0.000251	0.00251	0.00238	75.3	70.9	1	75.0-125		<u>J6</u>	5.33	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Mercury by Method 7470A

[L1271301-53,56,58,59](#)

Method Blank (MB)

(MB) R3580903-1 10/13/20 08:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3580903-2 10/13/20 08:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00307	102	80.0-120	

L1271785-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271785-02 10/13/20 08:43 • (MS) R3580903-3 10/13/20 08:45 • (MSD) R3580903-4 10/13/20 08:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00320	0.00307	107	102	1	75.0-125			3.92	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Metals (ICP) by Method 6010B

[L1271301-02,11,14,16,17,21,22,23,39,40,43,44,49](#)

Method Blank (MB)

(MB) R3580751-1 10/12/20 20:41

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3580751-2 10/12/20 20:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Boron	1.00	0.961	96.1	80.0-120	

L1269158-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1269158-07 10/12/20 20:46 • (MS) R3580751-4 10/12/20 20:51 • (MSD) R3580751-5 10/12/20 20:54

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Boron	1.00		0.983	0.984	98.3	98.4	1	75.0-125			0.118	20

Metals (ICP) by Method 6010B [L1271301-53,56,58,59](#)

Method Blank (MB)

(MB) R3581193-1 10/13/20 14:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581193-2 10/13/20 14:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.977	97.7	80.0-120	

L1271471-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271471-01 10/13/20 14:09 • (MS) R3581193-4 10/13/20 14:14 • (MSD) R3581193-5 10/13/20 14:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0849	1.07	1.05	98.8	96.9	1	75.0-125			1.72	20

Metals (ICPMS) by Method 6020

[L1271301-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3581272-1 10/14/20 01:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	0.957	J	0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3581575-1 10/14/20 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sodium	0.764	J	0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3581272-2 10/14/20 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0483	96.6	80.0-120	
Barium	0.0500	0.0463	92.5	80.0-120	
Cadmium	0.0500	0.0541	108	80.0-120	
Calcium	5.00	4.93	98.7	80.0-120	
Chromium	0.0500	0.0513	103	80.0-120	
Cobalt	0.0500	0.0516	103	80.0-120	
Iron	5.00	4.99	99.8	80.0-120	
Lead	0.0500	0.0503	101	80.0-120	
Manganese	0.0500	0.0497	99.4	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	
Potassium	5.00	4.79	95.7	80.0-120	

Metals (ICPMS) by Method 6020

[L1271301-01,02,03,04,05,06,07,08,09](#)

Laboratory Control Sample (LCS)

(LCS) R3581272-2 10/14/20 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Selenium	0.0500	0.0505	101	80.0-120	
Sodium	5.00	4.83	96.7	80.0-120	
Uranium	0.0500	0.0486	97.2	80.0-120	
Vanadium	0.0500	0.0489	97.8	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3581575-2 10/14/20 18:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Sodium	5.00	4.77	95.4	80.0-120	

L1271298-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-29 10/14/20 01:22 • (MS) R3581272-4 10/14/20 01:28 • (MSD) R3581272-5 10/14/20 01:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Arsenic	0.0500	0.00783	0.0569	0.0573	98.1	99.0	1	75.0-125			0.773	20
Barium	0.0500	0.0169	0.0635	0.0650	93.3	96.1	1	75.0-125			2.20	20
Cadmium	0.0500	U	0.0509	0.0509	102	102	1	75.0-125			0.0707	20
Calcium	5.00	617	620	628	50.1	206	1	75.0-125	V	V	1.25	20
Chromium	0.0500	U	0.0495	0.0507	96.2	98.6	1	75.0-125			2.35	20
Cobalt	0.0500	0.00801	0.0566	0.0578	97.2	99.6	1	75.0-125			2.06	20
Potassium	5.00	23.5	28.0	28.2	89.6	94.7	1	75.0-125			0.893	20
Iron	5.00	0.925	5.66	5.72	94.7	95.9	1	75.0-125			1.06	20
Lead	0.0500	U	0.0510	0.0494	102	98.8	1	75.0-125			3.06	20
Manganese	0.0500	1.56	1.58	1.60	31.1	70.7	1	75.0-125	V	V	1.25	20
Nickel	0.0500	0.0177	0.0653	0.0674	95.0	99.2	1	75.0-125			3.16	20
Selenium	0.0500	U	0.0530	0.0538	106	108	1	75.0-125			1.46	20
Uranium	0.0500	0.0104	0.0619	0.0608	103	101	1	75.0-125			1.88	20
Vanadium	0.0500	U	0.0510	0.0519	100	102	1	75.0-125			1.81	20

L1271298-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271298-29 10/14/20 18:42 • (MS) R3581575-4 10/14/20 18:50 • (MSD) R3581575-5 10/14/20 18:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Sodium	5.00	2820	2770	2800	0.000	0.000	1	75.0-125	E V	E V	0.919	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICPMS) by Method 6020

L1271301-10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Method Blank (MB)

(MB) R3582094-1 10/15/20 23:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	0.00360	⌵	0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3582094-2 10/15/20 23:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0501	100	80.0-120	
Barium	0.0500	0.0483	96.6	80.0-120	
Cadmium	0.0500	0.0515	103	80.0-120	
Calcium	5.00	5.21	104	80.0-120	
Chromium	0.0500	0.0519	104	80.0-120	
Cobalt	0.0500	0.0517	103	80.0-120	
Iron	5.00	5.16	103	80.0-120	
Lead	0.0500	0.0501	100	80.0-120	
Manganese	0.0500	0.0524	105	80.0-120	
Nickel	0.0500	0.0517	103	80.0-120	
Potassium	5.00	5.16	103	80.0-120	
Selenium	0.0500	0.0534	107	80.0-120	
Sodium	5.00	5.26	105	80.0-120	
Uranium	0.0500	0.0491	98.2	80.0-120	
Vanadium	0.0500	0.0528	106	80.0-120	

Metals (ICPMS) by Method 6020 [L1271301-10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29](#)

L1271301-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-10 10/15/20 23:46 • (MS) R3582094-4 10/15/20 23:54 • (MSD) R3582094-5 10/15/20 23:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00451	0.0539	0.0510	98.9	93.0	1	75.0-125			5.59	20
Barium	0.0500	0.0101	0.0616	0.0607	103	101	1	75.0-125			1.42	20
Cadmium	0.0500	U	0.0521	0.0526	104	105	1	75.0-125			0.973	20
Calcium	5.00	641	616	625	0.000	0.000	1	75.0-125	V	V	1.42	20
Chromium	0.0500	0.00163	0.0515	0.0487	99.7	94.1	1	75.0-125			5.61	20
Cobalt	0.0500	U	0.0500	0.0475	99.6	94.5	1	75.0-125			5.26	20
Potassium	5.00	0.832	5.67	5.77	96.7	98.8	1	75.0-125			1.83	20
Iron	5.00	0.0836	5.05	4.78	99.4	93.9	1	75.0-125			5.64	20
Lead	0.0500	U	0.0508	0.0495	102	99.0	1	75.0-125			2.70	20
Manganese	0.0500	0.0114	0.0618	0.0585	101	94.1	1	75.0-125			5.45	20
Nickel	0.0500	0.00161	0.0505	0.0488	97.8	94.4	1	75.0-125			3.46	20
Selenium	0.0500	0.00422	0.0576	0.0568	107	105	1	75.0-125			1.39	20
Sodium	5.00	200	195	198	0.000	0.000	1	75.0-125	V	V	1.75	20
Uranium	0.0500	0.0476	0.0969	0.0965	98.5	97.7	1	75.0-125			0.417	20
Vanadium	0.0500	0.0189	0.0686	0.0654	99.4	93.0	1	75.0-125			4.75	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Metals (ICPMS) by Method 6020

[L1271301-30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,49,50,51](#)

Method Blank (MB)

(MB) R3581725-1 10/15/20 03:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3581725-2 10/15/20 03:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0483	96.6	80.0-120	
Barium	0.0500	0.0472	94.3	80.0-120	
Cadmium	0.0500	0.0518	104	80.0-120	
Calcium	5.00	4.94	98.8	80.0-120	
Chromium	0.0500	0.0514	103	80.0-120	
Cobalt	0.0500	0.0513	103	80.0-120	
Iron	5.00	5.14	103	80.0-120	
Lead	0.0500	0.0483	96.5	80.0-120	
Manganese	0.0500	0.0510	102	80.0-120	
Nickel	0.0500	0.0513	103	80.0-120	
Potassium	5.00	4.86	97.2	80.0-120	
Selenium	0.0500	0.0501	100	80.0-120	
Sodium	5.00	5.04	101	80.0-120	
Uranium	0.0500	0.0478	95.6	80.0-120	
Vanadium	0.0500	0.0498	99.5	80.0-120	

Received by BOD: 11/22/2022 9:55:52 AM

WG1556445

QUALITY CONTROL SUMMARY

L1271301-30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,49,50,51

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L1268418-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1268418-15 10/15/20 03:37 • (MS) R3581725-4 10/15/20 03:43 • (MSD) R3581725-5 10/15/20 03:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	9.28	0.0574	0.0579	96.3	97.2	1	75.0-125			0.747	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

[L1271301-52,53,56,57,58,59,60,61,62](#)

Method Blank (MB)

(MB) R3580670-1 10/12/20 17:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3580670-2 10/12/20 17:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0504	101	80.0-120	
Barium	0.0500	0.0504	101	80.0-120	
Cadmium	0.0500	0.0539	108	80.0-120	
Calcium	5.00	5.61	112	80.0-120	
Chromium	0.0500	0.0527	105	80.0-120	
Cobalt	0.0500	0.0523	105	80.0-120	
Iron	5.00	5.09	102	80.0-120	
Lead	0.0500	0.0488	97.6	80.0-120	
Manganese	0.0500	0.0500	100	80.0-120	
Nickel	0.0500	0.0535	107	80.0-120	
Potassium	5.00	4.99	99.9	80.0-120	
Selenium	0.0500	0.0512	102	80.0-120	
Sodium	5.00	5.91	118	80.0-120	
Uranium	0.0500	0.0480	96.0	80.0-120	
Vanadium	0.0500	0.0501	100	80.0-120	

Metals (ICPMS) by Method 6020 [L1271301-52,53,56,57,58,59,60,61,62](#)

L1271301-60 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-60 10/12/20 17:10 • (MS) R3580670-4 10/12/20 17:17 • (MSD) R3580670-5 10/12/20 17:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0170	0.0664	0.0669	98.8	99.9	1	75.0-125			0.813	20
Barium	0.0500	0.0188	0.0695	0.0711	101	105	1	75.0-125			2.25	20
Cadmium	0.0500	U	0.0534	0.0544	107	109	1	75.0-125			1.76	20
Calcium	5.00	336	342	343	133	152	1	75.0-125	V	V	0.267	20
Chromium	0.0500	U	0.0494	0.0499	98.7	99.7	1	75.0-125			1.01	20
Cobalt	0.0500	0.00155	0.0510	0.0518	99.0	100	1	75.0-125			1.40	20
Potassium	5.00	1.90	6.79	6.72	97.9	96.4	1	75.0-125			1.11	20
Iron	5.00	0.294	5.11	5.27	96.3	99.6	1	75.0-125			3.15	20
Lead	0.0500	U	0.0498	0.0545	99.5	109	1	75.0-125			9.05	20
Manganese	0.0500	0.233	0.278	0.268	90.2	69.5	1	75.0-125		V	3.79	20
Nickel	0.0500	0.00368	0.0525	0.0538	97.7	100	1	75.0-125			2.41	20
Selenium	0.0500	0.000944	0.0521	0.0535	102	105	1	75.0-125			2.80	20
Sodium	5.00	333	345	355	246	443	1	75.0-125	V	V	2.81	20
Uranium	0.0500	0.0152	0.0664	0.0699	102	109	1	75.0-125			5.08	20
Vanadium	0.0500	0.00416	0.0527	0.0534	97.1	98.5	1	75.0-125			1.30	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020 [L1271301-54.55](#)

Method Blank (MB)

(MB) R3582488-1 10/16/20 20:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Calcium	U		0.480	1.00
Potassium	U		0.534	2.00
Sodium	U		0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3582488-2 10/16/20 20:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Calcium	5.00	5.21	104	80.0-120	
Potassium	5.00	4.97	99.5	80.0-120	
Sodium	5.00	5.11	102	80.0-120	

L1271775-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271775-01 10/16/20 20:13 • (MS) R3582488-4 10/16/20 20:20 • (MSD) R3582488-5 10/16/20 20:23

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	5.00		175	173	14.8	0.000	1	75.0-125	✓	✓	1.04	20
Potassium	5.00		11.4	11.3	94.1	93.2	1	75.0-125			0.410	20
Sodium	5.00		50.3	49.6	75.4	62.8	1	75.0-125		✓	1.27	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

L1271301-01,02,04,05,06,07,08

Method Blank (MB)

(MB) R3582143-3 10/15/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582143-2 10/15/20 18:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.78	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271301-11,12,13,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31](#)

Method Blank (MB)

(MB) R3582255-2 10/16/20 01:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3582255-1 10/16/20 00:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.14	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			113	78.0-120	

L1271301-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1271301-16 10/16/20 03:13 • (MS) R3582255-3 10/16/20 08:43 • (MSD) R3582255-4 10/16/20 09:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.0364	2.93	3.16	52.6	56.8	1	10.0-160			7.55	22
(S) a,a,a-Trifluorotoluene(FID)					105	104		78.0-120				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271301-09.10](#)

Method Blank (MB)

(MB) R3583072-2 10/16/20 15:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3583072-1 10/16/20 13:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.21	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			100	78.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271301-32,33,35,36,37,38,39,40,41,42,43,44,49,50,51](#)

Method Blank (MB)

(MB) R3583073-2 10/16/20 15:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3583073-1 10/16/20 13:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.21	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			100	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1271301-52,57,58,59,60,61,62](#)

Method Blank (MB)

(MB) R3583154-2 10/17/20 09:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3583154-1 10/17/20 08:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.25	114	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1271301-03

Method Blank (MB)

(MB) R3583313-3 10/19/20 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3583313-2 10/19/20 13:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.48	99.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271301-01,02,03,04,06,07,19,20,21,22,23,24,25,27

Method Blank (MB)

(MB) R3582662-2 10/17/20 02:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271301-01,02,03,04,06,07,19,20,21,22,23,24,25,27

Method Blank (MB)

(MB) R3582662-2 10/17/20 02:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	95.6			77.0-126
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3582662-1 10/17/20 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0225	90.0	19.0-160	
Benzene	0.00500	0.00489	97.8	70.0-123	
Bromodichloromethane	0.00500	0.00447	89.4	75.0-120	
Bromoform	0.00500	0.00461	92.2	68.0-132	
Bromomethane	0.00500	0.00680	136	10.0-160	
n-Butylbenzene	0.00500	0.00384	76.8	73.0-125	
sec-Butylbenzene	0.00500	0.00421	84.2	75.0-125	
Carbon disulfide	0.00500	0.00492	98.4	61.0-128	
Carbon tetrachloride	0.00500	0.00473	94.6	68.0-126	
Chlorobenzene	0.00500	0.00505	101	80.0-121	
Chlorodibromomethane	0.00500	0.00456	91.2	77.0-125	
Chloroethane	0.00500	0.00635	127	47.0-150	
Chloroform	0.00500	0.00475	95.0	73.0-120	
Chloromethane	0.00500	0.00339	67.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00514	103	80.0-122	
1,1-Dichloroethane	0.00500	0.00435	87.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00485	97.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00506	101	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00481	96.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00492	98.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00415	83.0	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00422	84.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00386	77.2	78.0-124	J4

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

L1271301-01,02,03,04,06,07,19,20,21,22,23,24,25,27

Laboratory Control Sample (LCS)

(LCS) R3582662-1 10/17/20 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00530	106	79.0-123	
2-Hexanone	0.0250	0.0178	71.2	67.0-149	
Isopropylbenzene	0.00500	0.00485	97.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00411	82.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0182	72.8	44.0-160	
Methylene Chloride	0.00500	0.00439	87.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0172	68.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00464	92.8	68.0-125	
Naphthalene	0.00500	0.00389	77.8	54.0-135	
n-Propylbenzene	0.00500	0.00385	77.0	77.0-124	
Styrene	0.00500	0.00482	96.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00456	91.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00371	74.2	65.0-130	
Tetrachloroethene	0.00500	0.00581	116	72.0-132	
Toluene	0.00500	0.00455	91.0	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00485	97.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00477	95.4	80.0-120	
Trichloroethene	0.00500	0.00580	116	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00392	78.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00383	76.6	76.0-122	
Vinyl chloride	0.00500	0.00408	81.6	67.0-131	
Xylenes, Total	0.0150	0.0145	96.7	79.0-123	
o-Xylene	0.00500	0.00496	99.2	80.0-122	
m&p-Xylenes	0.0100	0.00958	95.8	80.0-122	
(S) Toluene-d8			100	80.0-120	
(S) 4-Bromofluorobenzene			95.6	77.0-126	
(S) 1,2-Dichloroethane-d4			96.9	70.0-130	

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 8260B

L1271301-05,08,09,10,11,12,13,14,15,16,17,18,26,31,34

Method Blank (MB)

(MB) R3582663-2 10/16/20 17:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271301-05,08,09,10,11,12,13,14,15,16,17,18,26,31,34

Method Blank (MB)

(MB) R3582663-2 10/16/20 17:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	94.8			77.0-126
(S) 1,2-Dichloroethane-d4	95.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3582663-1 10/16/20 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0251	100	19.0-160	
Benzene	0.00500	0.00525	105	70.0-123	
Bromodichloromethane	0.00500	0.00481	96.2	75.0-120	
Bromoform	0.00500	0.00501	100	68.0-132	
Bromomethane	0.00500	0.00925	185	10.0-160	J4
n-Butylbenzene	0.00500	0.00471	94.2	73.0-125	
sec-Butylbenzene	0.00500	0.00498	99.6	75.0-125	
Carbon disulfide	0.00500	0.00557	111	61.0-128	
Carbon tetrachloride	0.00500	0.00562	112	68.0-126	
Chlorobenzene	0.00500	0.00549	110	80.0-121	
Chlorodibromomethane	0.00500	0.00514	103	77.0-125	
Chloroethane	0.00500	0.00586	117	47.0-150	
Chloroform	0.00500	0.00518	104	73.0-120	
Chloromethane	0.00500	0.00360	72.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00569	114	80.0-122	
1,1-Dichloroethane	0.00500	0.00501	100	70.0-126	
1,2-Dichloroethane	0.00500	0.00542	108	70.0-128	
1,1-Dichloroethene	0.00500	0.00550	110	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00525	105	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00581	116	73.0-120	
1,2-Dichloropropane	0.00500	0.00461	92.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00505	101	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00463	92.6	78.0-124	

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

[L1271301-05,08,09,10,11,12,13,14,15,16,17,18,26,31,34](#)

Laboratory Control Sample (LCS)

(LCS) R3582663-1 10/16/20 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	0.00500	0.00573	115	79.0-123	
2-Hexanone	0.0250	0.0211	84.4	67.0-149	
Isopropylbenzene	0.00500	0.00540	108	76.0-127	
p-Isopropyltoluene	0.00500	0.00487	97.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0209	83.6	44.0-160	
Methylene Chloride	0.00500	0.00503	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0192	76.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00501	100	68.0-125	
Naphthalene	0.00500	0.00418	83.6	54.0-135	
n-Propylbenzene	0.00500	0.00449	89.8	77.0-124	
Styrene	0.00500	0.00529	106	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00533	107	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00445	89.0	65.0-130	
Tetrachloroethene	0.00500	0.00653	131	72.0-132	
Toluene	0.00500	0.00521	104	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00567	113	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00543	109	80.0-120	
Trichloroethene	0.00500	0.00663	133	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00446	89.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00436	87.2	76.0-122	
Vinyl chloride	0.00500	0.00498	99.6	67.0-131	
Xylenes, Total	0.0150	0.0164	109	79.0-123	
o-Xylene	0.00500	0.00565	113	80.0-122	
m&p-Xylenes	0.0100	0.0108	108	80.0-122	
(S) Toluene-d8			99.2	80.0-120	
(S) 4-Bromofluorobenzene			96.3	77.0-126	
(S) 1,2-Dichloroethane-d4			98.4	70.0-130	

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 8260B

[L1271301-28,29,30,32,33,35,36,37,38,40,41,42,44,45,46,48,49,50,51](#)

Method Blank (MB)

(MB) R3582658-2 10/16/20 22:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

[L1271301-28,29,30,32,33,35,36,37,38,40,41,42,44,45,46,48,49,50,51](#)

Method Blank (MB)

(MB) R3582658-2 10/16/20 22:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	99.9			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	99.7			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3582658-1 10/16/20 21:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0373	149	19.0-160	
Benzene	0.00500	0.00534	107	70.0-123	
Bromodichloromethane	0.00500	0.00501	100	75.0-120	
Bromoform	0.00500	0.00631	126	68.0-132	
Bromomethane	0.00500	0.00621	124	10.0-160	
n-Butylbenzene	0.00500	0.00429	85.8	73.0-125	
sec-Butylbenzene	0.00500	0.00420	84.0	75.0-125	
Carbon disulfide	0.00500	0.00572	114	61.0-128	
Carbon tetrachloride	0.00500	0.00598	120	68.0-126	
Chlorobenzene	0.00500	0.00545	109	80.0-121	
Chlorodibromomethane	0.00500	0.00514	103	77.0-125	
Chloroethane	0.00500	0.00589	118	47.0-150	
Chloroform	0.00500	0.00557	111	73.0-120	
Chloromethane	0.00500	0.00544	109	41.0-142	
1,2-Dibromoethane	0.00500	0.00489	97.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00598	120	70.0-126	
1,2-Dichloroethane	0.00500	0.00508	102	70.0-128	
1,1-Dichloroethene	0.00500	0.00575	115	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00598	120	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00585	117	73.0-120	
1,2-Dichloropropane	0.00500	0.00581	116	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00459	91.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00482	96.4	78.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271301-28,29,30,32,33,35,36,37,38,40,41,42,44,45,46,48,49,50,51

Laboratory Control Sample (LCS)

(LCS) R3582658-1 10/16/20 21:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00509	102	79.0-123	
2-Hexanone	0.0250	0.0296	118	67.0-149	
Isopropylbenzene	0.00500	0.00526	105	76.0-127	
p-Isopropyltoluene	0.00500	0.00423	84.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0249	99.6	44.0-160	
Methylene Chloride	0.00500	0.00596	119	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0251	100	68.0-142	
Methyl tert-butyl ether	0.00500	0.00546	109	68.0-125	
Naphthalene	0.00500	0.00386	77.2	54.0-135	
n-Propylbenzene	0.00500	0.00415	83.0	77.0-124	
Styrene	0.00500	0.00531	106	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00626	125	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00380	76.0	65.0-130	
Tetrachloroethene	0.00500	0.00560	112	72.0-132	
Toluene	0.00500	0.00527	105	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00598	120	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00523	105	80.0-120	
Trichloroethene	0.00500	0.00623	125	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00433	86.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00431	86.2	76.0-122	
Vinyl chloride	0.00500	0.00574	115	67.0-131	
Xylenes, Total	0.0150	0.0160	107	79.0-123	
o-Xylene	0.00500	0.00531	106	80.0-122	
m&p-Xylenes	0.0100	0.0107	107	80.0-122	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			103	77.0-126	
(S) 1,2-Dichloroethane-d4			93.1	70.0-130	

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 8260B

L1271301-39,43,47

Method Blank (MB)

(MB) R3582711-2 10/18/20 03:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	0.000540	U	0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000369	U	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

[L1271301-39,43,47](#)

Method Blank (MB)

(MB) R3582711-2 10/18/20 03:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	108			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3582711-1 10/18/20 02:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0238	95.2	19.0-160	
Benzene	0.00500	0.00517	103	70.0-123	
Bromodichloromethane	0.00500	0.00490	98.0	75.0-120	
Bromoform	0.00500	0.00495	99.0	68.0-132	
Bromomethane	0.00500	0.00303	60.6	10.0-160	
n-Butylbenzene	0.00500	0.00447	89.4	73.0-125	
sec-Butylbenzene	0.00500	0.00449	89.8	75.0-125	
Carbon disulfide	0.00500	0.00429	85.8	61.0-128	
Carbon tetrachloride	0.00500	0.00471	94.2	68.0-126	
Chlorobenzene	0.00500	0.00500	100	80.0-121	
Chlorodibromomethane	0.00500	0.00494	98.8	77.0-125	
Chloroethane	0.00500	0.00500	100	47.0-150	
Chloroform	0.00500	0.00454	90.8	73.0-120	
Chloromethane	0.00500	0.00426	85.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00485	97.0	80.0-122	
1,1-Dichloroethane	0.00500	0.00455	91.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00465	93.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00459	91.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00470	94.0	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00438	87.6	73.0-120	
1,2-Dichloropropane	0.00500	0.00456	91.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00426	85.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00453	90.6	78.0-124	

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

L1271301-39,43,47

Laboratory Control Sample (LCS)

(LCS) R3582711-1 10/18/20 02:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00469	93.8	79.0-123	
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00469	93.8	76.0-127	
p-Isopropyltoluene	0.00500	0.00448	89.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0243	97.2	44.0-160	
Methylene Chloride	0.00500	0.00496	99.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0245	98.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00481	96.2	68.0-125	
Naphthalene	0.00500	0.00729	146	54.0-135	J4
n-Propylbenzene	0.00500	0.00422	84.4	77.0-124	
Styrene	0.00500	0.00481	96.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00494	98.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00435	87.0	65.0-130	
Tetrachloroethene	0.00500	0.00483	96.6	72.0-132	
Toluene	0.00500	0.00468	93.6	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00450	90.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00504	101	80.0-120	
Trichloroethene	0.00500	0.00481	96.2	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00435	87.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00436	87.2	76.0-122	
Vinyl chloride	0.00500	0.00438	87.6	67.0-131	
Xylenes, Total	0.0150	0.0140	93.3	79.0-123	
o-Xylene	0.00500	0.00470	94.0	80.0-122	
m&p-Xylenes	0.0100	0.00934	93.4	80.0-122	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			106	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

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 8260B

[L1271301-52,53,54,55,56,57,58,59,60,61](#)

Method Blank (MB)

(MB) R3583066-3 10/17/20 17:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000217	U	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

[L1271301-52,53,54,55,56,57,58,59,60,61](#)

Method Blank (MB)

(MB) R3583066-3 10/17/20 17:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	112			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	104			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3583066-1 10/17/20 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0228	91.2	19.0-160	
Benzene	0.00500	0.00454	90.8	70.0-123	
Bromodichloromethane	0.00500	0.00477	95.4	75.0-120	
Bromoform	0.00500	0.00485	97.0	68.0-132	
Bromomethane	0.00500	0.00584	117	10.0-160	
n-Butylbenzene	0.00500	0.00455	91.0	73.0-125	
sec-Butylbenzene	0.00500	0.00443	88.6	75.0-125	
Carbon disulfide	0.00500	0.00407	81.4	61.0-128	
Carbon tetrachloride	0.00500	0.00474	94.8	68.0-126	
Chlorobenzene	0.00500	0.00479	95.8	80.0-121	
Chlorodibromomethane	0.00500	0.00483	96.6	77.0-125	
Chloroethane	0.00500	0.00453	90.6	47.0-150	
Chloroform	0.00500	0.00446	89.2	73.0-120	
Chloromethane	0.00500	0.00349	69.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00468	93.6	80.0-122	
1,1-Dichloroethane	0.00500	0.00432	86.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00446	89.2	70.0-128	
1,1-Dichloroethene	0.00500	0.00473	94.6	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00471	94.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00439	87.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00438	87.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00437	87.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00454	90.8	78.0-124	

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

L1271301-52,53,54,55,56,57,58,59,60,61

Laboratory Control Sample (LCS)

(LCS) R3583066-1 10/17/20 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00468	93.6	79.0-123	
2-Hexanone	0.0250	0.0248	99.2	67.0-149	
Isopropylbenzene	0.00500	0.00467	93.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00445	89.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0229	91.6	44.0-160	
Methylene Chloride	0.00500	0.00478	95.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0240	96.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00469	93.8	68.0-125	
Naphthalene	0.00500	0.00666	133	54.0-135	
n-Propylbenzene	0.00500	0.00432	86.4	77.0-124	
Styrene	0.00500	0.00480	96.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00496	99.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00433	86.6	65.0-130	
Tetrachloroethene	0.00500	0.00458	91.6	72.0-132	
Toluene	0.00500	0.00463	92.6	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00463	92.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00483	96.6	80.0-120	
Trichloroethene	0.00500	0.00456	91.2	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00431	86.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00433	86.6	76.0-122	
Vinyl chloride	0.00500	0.00444	88.8	67.0-131	
Xylenes, Total	0.0150	0.0137	91.3	79.0-123	
o-Xylene	0.00500	0.00478	95.6	80.0-122	
m&p-Xylenes	0.0100	0.00887	88.7	80.0-122	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

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 8260B

[L1271301-49,50,51](#)

Method Blank (MB)

(MB) R3583081-2 10/18/20 01:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
n-Propylbenzene	U		0.0000993	0.00100
(S) Toluene-d8	114			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3583081-1 10/18/20 00:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00473	94.6	70.0-123	
n-Propylbenzene	0.00500	0.00400	80.0	77.0-124	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			95.4	77.0-126	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

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

[L1271301-27](#)

Method Blank (MB)

(MB) R3583024-2 10/18/20 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583024-1 10/18/20 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00515	103	70.0-123	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			111	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1271301-26,31,34](#)

Method Blank (MB)

(MB) R3583082-2 10/18/20 01:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	114			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583082-1 10/18/20 00:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00473	94.6	70.0-123	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			95.4	77.0-126	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1271301-62

Method Blank (MB)

(MB) R3583389-3 10/19/20 02:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	0.000128	U	0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000262	U	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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 8260B

L1271301-62

Method Blank (MB)

(MB) R3583389-3 10/19/20 02:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583389-1 10/19/20 01:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0238	95.2	19.0-160	
Benzene	0.00500	0.00520	104	70.0-123	
Bromodichloromethane	0.00500	0.00507	101	75.0-120	
Bromoform	0.00500	0.00469	93.8	68.0-132	
Bromomethane	0.00500	0.00319	63.8	10.0-160	
n-Butylbenzene	0.00500	0.00508	102	73.0-125	
sec-Butylbenzene	0.00500	0.00534	107	75.0-125	
Carbon disulfide	0.00500	0.00504	101	61.0-128	
Carbon tetrachloride	0.00500	0.00541	108	68.0-126	
Chlorobenzene	0.00500	0.00527	105	80.0-121	
Chlorodibromomethane	0.00500	0.00493	98.6	77.0-125	
Chloroethane	0.00500	0.00536	107	47.0-150	
Chloroform	0.00500	0.00488	97.6	73.0-120	
Chloromethane	0.00500	0.00381	76.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00491	98.2	80.0-122	
1,1-Dichloroethane	0.00500	0.00499	99.8	70.0-126	
1,2-Dichloroethane	0.00500	0.00477	95.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00551	110	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00507	101	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00496	99.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00464	92.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00483	96.6	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00467	93.4	78.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1271301-62](#)

Laboratory Control Sample (LCS)

(LCS) R3583389-1 10/19/20 01:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	0.00500	0.00514	103	79.0-123	
2-Hexanone	0.0250	0.0246	98.4	67.0-149	
Isopropylbenzene	0.00500	0.00510	102	76.0-127	
p-Isopropyltoluene	0.00500	0.00502	100	76.0-125	
2-Butanone (MEK)	0.0250	0.0233	93.2	44.0-160	
Methylene Chloride	0.00500	0.00505	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0240	96.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Naphthalene	0.00500	0.00505	101	54.0-135	
n-Propylbenzene	0.00500	0.00516	103	77.0-124	
Styrene	0.00500	0.00516	103	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00495	99.0	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00478	95.6	65.0-130	
Tetrachloroethene	0.00500	0.00532	106	72.0-132	
Toluene	0.00500	0.00515	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00525	105	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00495	99.0	80.0-120	
Trichloroethene	0.00500	0.00515	103	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00490	98.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00495	99.0	76.0-122	
Vinyl chloride	0.00500	0.00475	95.0	67.0-131	
Xylenes, Total	0.0150	0.0151	101	79.0-123	
o-Xylene	0.00500	0.00502	100	80.0-122	
m&p-Xylenes	0.0100	0.0101	101	80.0-122	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			103	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3583465-2 10/19/20 19:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	111			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	116			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3583465-1 10/19/20 18:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00495	99.0	70.0-123	
(S) Toluene-d8			109	80.0-120	
(S) 4-Bromofluorobenzene			99.1	77.0-126	
(S) 1,2-Dichloroethane-d4			113	70.0-130	

1
Cp

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Tc

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Ss

4
Cn

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Sr

6
Qc

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Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3590379-3 11/06/20 13:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	96.5			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3590379-1 11/06/20 12:38 • (LCSD) R3590379-2 11/06/20 12:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00496	0.00459	99.2	91.8	70.0-123			7.75	20
(S) Toluene-d8				103	103	80.0-120				
(S) 4-Bromofluorobenzene				105	105	77.0-126				
(S) 1,2-Dichloroethane-d4				98.8	97.8	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271301-05,08,09,10,11,12,13,14,15](#)

Method Blank (MB)

(MB) R3582056-1 10/15/20 05:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0505	⬇	0.0247	0.100
(S) o-Terphenyl	85.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582056-2 10/15/20 06:04 • (LCSD) R3582056-3 10/15/20 06:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.44	1.45	96.0	96.7	50.0-150			0.692	20
(S) o-Terphenyl				114	111	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271301-16,17,18,19,20,27,28,29,30](#)

Method Blank (MB)

(MB) R3581136-1 10/13/20 12:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	109			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581136-2 10/13/20 13:12 • (LCSD) R3581136-3 10/13/20 13:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.53	1.59	102	106	50.0-150			3.85	20
(S) o-Terphenyl				106	115	31.0-160				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271301-26,31,32,33,34,35,36,37,38,40,41,42,44,49,50,51,53,56,58,59](#)

Method Blank (MB)

(MB) R3581227-1 10/13/20 21:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	106			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581227-2 10/13/20 21:35 • (LCSD) R3581227-3 10/13/20 22:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.63	1.60	109	107	50.0-150			1.86	20
(S) o-Terphenyl				109	105	31.0-160				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

[L1271301-01,02,03,04](#)

Method Blank (MB)

(MB) R3581676-1 10/14/20 23:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	101			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3581676-2 10/15/20 00:19 • (LCSD) R3581676-3 10/15/20 00:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.58	1.61	105	107	50.0-150			1.88	20
(S) o-Terphenyl				106	104	31.0-160				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1271301-06,07,21,22,23,24,25,39,43,52,57,60,61,62](#)

Method Blank (MB)

(MB) R3582057-1 10/15/20 04:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0315		0.0247	0.100
(S) o-Terphenyl	93.0			31.0-160

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3582057-2 10/15/20 05:04 • (LCSD) R3582057-3 10/15/20 05:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.55	1.55	103	103	50.0-150			0.000	20
(S) o-Terphenyl				117	117	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

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* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
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California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
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Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
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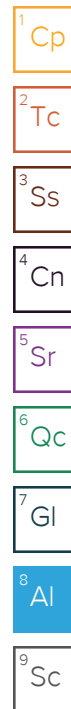
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Nevada	NV009412021-1

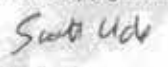
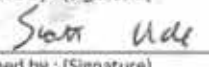
Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

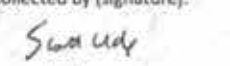
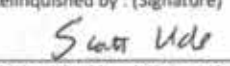
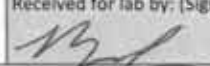
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

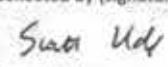
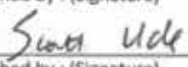


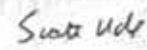
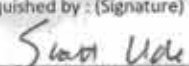
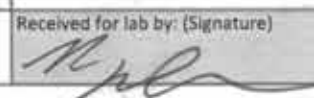
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Report to: Julie Speer		Email To: jspeer@trccompanies.com														 p. 2/19 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: REST Fall 2020		City/State Collected: Artesia, NM														L# L1271301	
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-REST												Table #	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # REST (Navajo - Artesia)		P.O. # 150726												Acctnum: TRCATX Template: T140424 Prelogin: P799490 TSR: 526 PB:	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #												Shipped Via:	
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed												Remarks	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions: TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Sample # (lab only)
RA-4798		Grab	GW		10/6/20	1315	5	x				x	x	x			08
RA-4196		Grab	GW		10/6/20	1330	5	x				x	x	x			09
KWB-7		Grab	GW		10/6/20	1200	8	x	x			x	x	x	x	x	10
MW-135		Grab	GW		10/7/20	1030	9	x	x	x	x	x	x	x			11
KWB-11A		Grab	GW		10/6/20	1025	10	x	x	x		x	x	x	x	x	12
KWB-11B		Grab	GW		10/6/20	1110	10	x	x	x		x	x	x	x	x	13
MW-115		Grab	GW		10/7/20	915	9	x	x	x	x	x	x	x			14
MW-114		Grab	GW		10/7/20	1000	9	x	x	x	x	x	x	x			15
MW-117		Grab	GW		10/6/20	1420	9	x	x	x	x	x	x	x			16
MW-118		Grab	GW		10/6/20	1335	9	x	x	x	x	x	x	x			17
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:															
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #															
Relinquished by: (Signature) 		Date: 10/7/20	Time: 1400	Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: 13°C 1.1-2.9		Bottles Received:		If preservation required by Login: Date/Time		Hold:		Condition: NGF / OK	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:		Hold:		Condition:		NGF / OK			
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:		Hold:		Condition:		NGF / OK			

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 3 of 10			
Report to: Julie Speer				Email To: jspeer@trccompanies.com																P. 3/19 Pace Analytical* National Center for Testing & Innovation			
Project Description: REST Fall 2020				City/State Collected: Artesia, NM																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Phone: 512-684-3170 Fax:				Client Project # 330538.0000.0000				Lab Project # TRCATX-REST												L# L1271301			
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # REST (Navajo - Artesia)				P.O. # 150726												Table #			
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #												Acctnum: TRCATX Template: T140424 Prelogin: P799490 TSR: 526 PB:			
Immediately Packed on Ice: N ☐ Y ☒				Date Results Needed				No. of Cntrs												Shipped Via:			
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time		VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)	
MW-119				Grab	GW		10/6/20	920	9	x	x	x	x	x	x	x						18-20	
MW-136				Grab	GW		10/6/20	1220	10	x	x	x		x	x	x	x	x				19-11	
MW-126A				Grab	GW		10/6/20	1010	9	x	x	x	x	x	x	x						20-12	
MW-126B				Grab	GW		10/6/20	1050	9	x	x	x	x	x	x	x						21-13	
MW-127 LNAPL				Grab	GW				9	x	x	x	x	x	x	x						22-14	
KWB-1A				Grab	GW		10/6/20	1325	8	x	x			x	x	x	x	x			-14	22-15	
KWB-10R LNAPL				Grab	GW				7	x	x		x	x	x	x							
MW-131 LNAPL				Grab	GW				9	x	x	x	x	x	x	x							
KWB-5 LNAPL				Grab	GW				7	x	x		x	x	x	x							
MW-111 LNAPL				Grab	GW				9	x	x	x	x	x	x	x							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☒ N COC Signed/Accurate: ☐ Y ☒ N Bottles arrive intact: ☐ Y ☒ N Correct bottles used: ☐ Y ☒ N Sufficient volume sent: ☐ Y ☒ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N			
Relinquished by: (Signature) <i>Scott Ude</i>				Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No	HCL / MeOH	TBR	Temp	Bottles Received:	If preservation required by Login: Date/Time											
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)				11/8/20	0900												
Relinquished by: (Signature)				Date:	Time:	Received for lab by: (Signature)																	

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 4 of 10 		
Report to: Julie Speer			Email To: jspeer@trccompanies.com															12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859		
Project Description: REST Fall 2020			City/State Collected: Artesia, NM															L# L1271301		
Phone: 512-684-3170 Fax:			Client Project # 330538.0000.0000			Lab Project # TRCATX-REST												Table #		
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # REST (Navajo - Artesia)			P.O. # 150726												Acctnum: TRCATX Template: T140424		
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #												Prelogin: P799490 TSR: 526 PB:		
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs												Shipped Via:		
Sample ID			Comp/Grab	Matrix *	Depth	Date	Time		VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions, TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB 8011	Remarks	Sample # (lab only)
~~KWB-6~~ LWAPL			Grab	GW				10	x	x		x	x	x	x			x		
~~MW-112~~ LWAPL			Grab	GW				9	x	x	x	x	x	x	x					
~~MW-132~~ LWAPL			Grab	GW				9	x	x	x	x	x	x	x					
MW-57			Grab	GW		10/6/20	1130	9	x	x	x	x	x	x	x				-15	-25
KWB-12A			Grab	GW		10/6/20	930	10	x	x	x		x	x	x	x	x		-16	-24
KWB-12B			Grab	GW		10/6/20	1015	10	x	x	x		x	x	x	x	x		-17	-25
~~KWB-2R~~ LWAPL			Grab	GW				7	x	x		x	x	x	x					
~~MW-58~~ LWAPL			Grab	GW				8	x	x			x	x	x	x	x			
MW-104			Grab	GW		10/6/20	1210	9	x	x	x	x	x	x	x				-18	-26
MW-64			Grab	GW		10/6/20	1305	9	x	x	x	x	x	x	x				-19	-27
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 			Date: 10/7/20		Time: 1400		Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR			Bottles Received:			If preservation required by Login: Date/Time				
Relinquished by: (Signature)			Date:		Time:		Received by: (Signature)			Temp: 11.1-1.9			Date:			Condition: NCF / OK				
Relinquished by: (Signature)			Date:		Time:		Received for lab by: (Signature) 			Date: 10/8/20			Time: 0900			Hold:				

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752		Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 5 of 10  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Report to: Julie Speer		Email To: jspeer@trccompanies.com													L# 4271301 Table # Acctnum: TRCATX Template: T140424 Prelogin: P799490 TSR: 526 PB: Shipped Via:	
Project Description: REST Fall 2020		City/State Collected: Artesia, NM													Remarks Sample # (lab only)	
Phone: 512-684-3170 Fax:	Client Project # 330538.0000.0000	Lab Project # TRCATX-REST													Sample # (lab only)	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID #: REST (Navajo - Artesia)		P.O. # 150726											Sample # (lab only)	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed											Sample # (lab only)	
Immediately Packed on Ice N ☐ Y ☒															Sample # (lab only)	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	
MW-65 LNAPL	Grab	GW				9	x	x	x	x	x	x	x			
MW-102	Grab	GW		10/6/20	1410	9	x	x	x	x	x	x	x			-20 -28
MW-99 LNAPL	Grab	GW				9	x	x	x	x	x	x	x			
MW-66	Grab	GW		10/7/20	925	10	x	x	x		x	x	x	x	x	-21 -29
MW-28	Grab	GW		↓	1110	10	x	x	x		x	x	x	x	x	-22 -30
MW-60	Grab	GW		↓	1025	10	x	x	x		x	x	x	x	x	-23 -31
MW-128 LNAPL	Grab	GW				9	x	x	x	x	x	x	x			
MW-125	Grab	GW		10/7/20	1050	9	x	x	x	x	x	x	x			-24 -32
MW-116	Grab	GW		10/7/20	1025	9	x	x	x	x	x	x	x			-25 -33
MW-101	Grab	GW		10/6/20	900	9	x	x	x	x	x	x	x			-26 -34
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist: COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N		
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #												Trip Blank Received: Yes / No HCL / MeOH TBR		
Relinquished by: (Signature) 		Date: 10/7/20 Time: 1400		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Bottles Received:		If preservation required by Login: Date/Time						
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:		Hold:		Condition:		NCF / OK				
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:		Hold:		Condition:		NCF / OK				

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 6 of 10	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: REST Fall 2020				City/State Collected: Artesia, NM																	
Phone: 512-684-3170 Fax:				Client Project # 330538.0000.0000				Lab Project # TRCATX-REST												L# L1271301	
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # REST (Navajo - Artesia)				P.O. # 150726												Table #	
Collected by (signature): 				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #												Acctnum: TRCATX Template: T140424 Prelogin: P799490 TSR: 526 PB:	
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed				No. of Cntrs												Shipped Via:	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time			VOC - 40ml/Amb HCl	DRO - 40ml/Amb-HCl-BT	GRO - 40ml/Amb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	SVOCs - 8270			
MW-105	Grab	GW			10/6/20	1515	9	x	x	x	x	x	x	x	x						54 -27 -35
MW-61	Grab	GW			10/6/20	1335	11	x	x	x	x	x	x	x	x						-28 -36
MW-62	Grab	GW			10/6/20	1535	11	x	x	x	x	x	x	x	x						-29 -37
~~MW-137 LNAPL~~	~~Grab~~	~~GW~~					12	x	x	x		x	x	x	x	x	x	x			
~~MW-138 LNAPL~~	~~Grab~~	~~GW~~					12	x	x	x		x	x	x	x	x	x	x			
MW-23	Grab	GW			10/6/20	1705	9	x	x	x	x	x	x	x	x						-30 -38
MW-39	Grab	GW			10/6/20	1010	9	x	x	x	x	x	x	x	x						-31 -39
MW-98	Grab	GW			10/6/20	1105	9	x	x	x	x	x	x	x	x						-32 -40
MW-29	Grab	GW			10/7/20	925	9	x	x	x	x	x	x	x	x						-33 -41
MW-106	Grab	GW			10/6/20	1200	9	x	x	x	x	x	x	x	x						-33 -34 -42
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N									
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #																	
Relinquished by: (Signature) 				Date: 10/7/20		Time: 1400		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR									
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: 11.1-12.9		Bottles Received:		If preservation required by Login: Date/Time					
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) 				Date: 10/8/20		Time: 0900		Hold:		Condition: NCF / OK			

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 7 of 10							
Report to: Julie Speer			Email To: jspeer@trccompanies.com														p. 7/19 Pace Analytical* National Center for Testing & Innovation							
Project Description: REST Fall 2020			City/State Collected: Artesia, NM														12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Phone: 512-684-3170 Fax:			Client Project # 330538.0000.0000			Lab Project # TRCATX-REST													L# L1271301					
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # REST (Navajo - Artesia)			P.O. # 150726													Table #					
Collected by (signature): <i>Scott Ude</i>			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #													Acctnum: TRCATX Template: T140424 Prelogin: P799490 TSR: 526 PB:					
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs													Shipped Via:					
Sample ID			Comp/Grab	Matrix *	Depth	Date	Time		VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	SVOCs - 8270	Remarks	Sample # (lab only)				
MW-50			Grab	GW		10/6/20	1125	7	x	x		x	x	x	x				-34	43				
MW-97 <i>Lost due to construction</i>			Grab	GW				11	x	x	x	x	x	x	x		x		unable to locate; construction, graded w/ extra soil/gravel					
MW-92 LNAPL			Grab	GW				9	x	x	x	x	x	x	x									
MW-91 LNAPL			Grab	GW				9	x	x	x	x	x	x	x									
MW-90			Grab	GW		10/6/20	1245	9	x	x	x	x	x	x	x				-35	44				
MW-96			Grab	GW		10/6/20	1450	9	x	x	x	x	x	x	x				-36	45				
MW-94 LNAPL			Grab	GW				9	x	x	x	x	x	x	x				46	Ke				
MW-97 LNAPL			Grab	GW				10	x	x	x		x	x	x	x	x							
• DUP-REST-01			Grab	GW		10/7/20	800	9	x	x	x	x	x	x	x				46					
DUP-REST-02			Grab	GW		10/6/20	1100	9	x	x	x	x	x	x	x				-37	47				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:										pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero HeadSpace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #										Trip Blank Received: Yes / No HCL / MeOH TBR										If preservation required by Login: Date/Time	
Relinquished by: (Signature) <i>Scott Ude</i>			Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:		
Relinquished by: (Signature)			Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:		
Relinquished by: (Signature)			Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:		

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 8 of 10						
Report to: Julie Speer			Email To: jspeer@trccompanies.com														Pace Analytical National Center for Testing & Inspection 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859						
Project: Description: REST Fall 2020			City/State Collected: Artesia, NM														L# U1271301						
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-REST													Table #						
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # REST (Navajo - Artesia)		P.O. # 150726													Acctnum: TRCATX Template: T140424						
Collected by (signature): <i>Scott Ude</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #													Prelogin: P799490 TSR: 526 PB:						
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs											Shipped Via:						
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		VOC - 40ml/Amb HCl	DRO - 40ml/Amb-HCl-BT	GRO - 40ml/Amb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH								
DUP-REST-03	Grab	GW		10/6/20	1200	9	x	x	x	x	x	x	x			-38 -48							
DUP-REST-04	Grab	GW		10/7/20	800	10	x	x	x		x	x	x	x		-39 -49							
DUP-REST-05	Grab	GW		10/6/20	1200	10	x	x	x		x	x	x	x		-40 -50							
EB-REST-01	Grab	GW		10/7/20	920	9	x	x	x	x	x	x	x			-51							
EB-REST-02	Grab	GW		10/6/20	1220	9	x	x	x	x	x	x	x			-41 -52							
EB-REST-03	Grab	GW		10/6/20	1450	9	x	x	x	x	x	x	x			-42 -53							
EB-REST-04	Grab	GW		10/7/20	1045	10	x	x	x		x	x	x	x		-43 -54							
EB-REST-05	Grab	GW		10/6/20	1035	10	x	x	x		x	x	x	x		-44 -55							
TRIP BLANK-REST-01	Grab	GW		10/6/20	—	1	x									-45							
TRIP BLANK-REST-02	Grab	GW		10/6/20	—	1	x									-46							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N		Relinquished by: (Signature) <i>Scott Ude</i>		Date: 10/7/20 Time: 1400		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: 11.2°C Bottles Received:		If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:		Condition: NET / OK									

[illegible]

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 10 of 10	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																p. 10/19 Pace Analytical* National Center for Testing & Inspection	
Project Description: REST Fall 2020				City/State Collected: Artesia, NM																12065 Lebanon Rd. Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Phone: 512-684-3170 Fax:		Client Project # 330538.0000.0000		Lab Project # TRCATX-REST														L# U274301			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # REST (Navajo - Artesia)		P.O. # 150726														Table #			
Collected by (signature): <i>Scott Ude</i>		Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day		Quote #		Date Results Needed												Acctnum: TRCATX Template: T140422 Prelogin: P799490 TSR: 526 PB:			
Immediately Packed on Ice N ☐ Y ☒						No. of Cntrs												Shipped Via:			
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time			VOC - 40mlAmb HCl	DRO - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Cations (from "total metals" bottle)	Anions. TDS - 250mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	SVOCs - 8270	Remarks	Sample # (lab only)		
MW-43	Grab	GW		10/6/20	1510	10		x	x	x		x	x	x	x	x			-49		
MW-62R	Grab	GW		10/6/20	1620	9		x	x	x	x	x	x	x					-50		
MW-137A LNAPL	Grab	GW				12		x	x	x		x	x	x	x	x					
MW-138A LNAPL	Grab	GW				12		x	x	x		x	x	x	x	x					
MW-139	Grab	GW		10/6/20	1055	9		x	x	x	x	x	x	x					-51		
RW-2 LNAPL	Grab	GW															X				
	Grab	GW																			
	Grab	GW																			
	Grab	GW																			
	Grab	GW																			

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 SW - Surface Water

Relinquished by (Signature): *Scott Ude* Date: *10/7/20* Time: *1400*

Remarks:
Samples returned via FedEx

Received by (Signature): *[Signature]* Date: *10/8/20* Time: *0900*

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y	N
COC Signed/Accurate:		Y	N
Bottles arrive Intact:		Y	N
Correct bottles used:		Y	N

1.1-.2=.9 *[Signature]*

TREATY
for 10/8

5906 4.5
5722 1.6
5891 0.7
5798 0.9
9874 1.0

5915 8784 5733 1.5
- 5810 1.3
- 5939 1.2
- 5744 1.8
- 5940 4.1
- 8206 1.4
- 5825 0.9
- 5803 1.1
- 5814 4
- 5880 1.2
- 5799 1.3
- 9863 2.4

1986 2502 9749

10911717

Katie Ingram

Login #: L1271301	Client: TRCATX	Date: 10/08/20	Evaluated by: Myra "Katie" Ingram

Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	If Broken Container:
Parameter(s) past holding time	☒ Login Clarification Needed	Insufficient packing material around container
Temperature not in range	Chain of custody is incomplete	Insufficient packing material inside cooler
Improper container type	Please specify Metals requested.	Improper handling by carrier (FedEx / UPS / Courier)
pH not in range.	Please specify TCLP requested.	Sample was frozen
Insufficient sample volume.	Received additional samples not listed on coc.	Container lid not intact
Sample is biphasic.	Sample ids on containers do not match ids on coc	If no Chain of Custody:
Vials received with headspace.	Trip Blank not received.	Received by:
Broken container	Client did not "X" analysis.	Date/Time:
Broken container:	Chain of Custody is missing	Temp./Cont. Rec./pH:
Sufficient sample remains		Carrier:
		Tracking#

Login Comments: Did not receive a metals container for RA-4798 and RA-4196.

Client informed by:	Call	Email	Voice Mail	Date: 10/12/20	Time: 22:37
TSR Initials: CM	Client Contact:				

Login Instructions:

Pour off 125mL from the 250ml and preserve for CAG, KG, NAG.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 160791

CONDITIONS

Operator: NAVAJO REFINING COMPANY, L.L.C. P.O. Box 159 Artesia, NM 88211	OGRID: 15694
	Action Number: 160791
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
scwells	Accepted for Record Retention Purposes-Only	11/22/2022