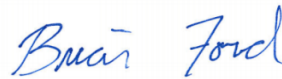


Cascade Corporation- Fairview, OR

Sample Delivery Group: L1187224
Samples Received: 02/07/2020
Project Number: PNG0564S19
Description: Cascade TSA

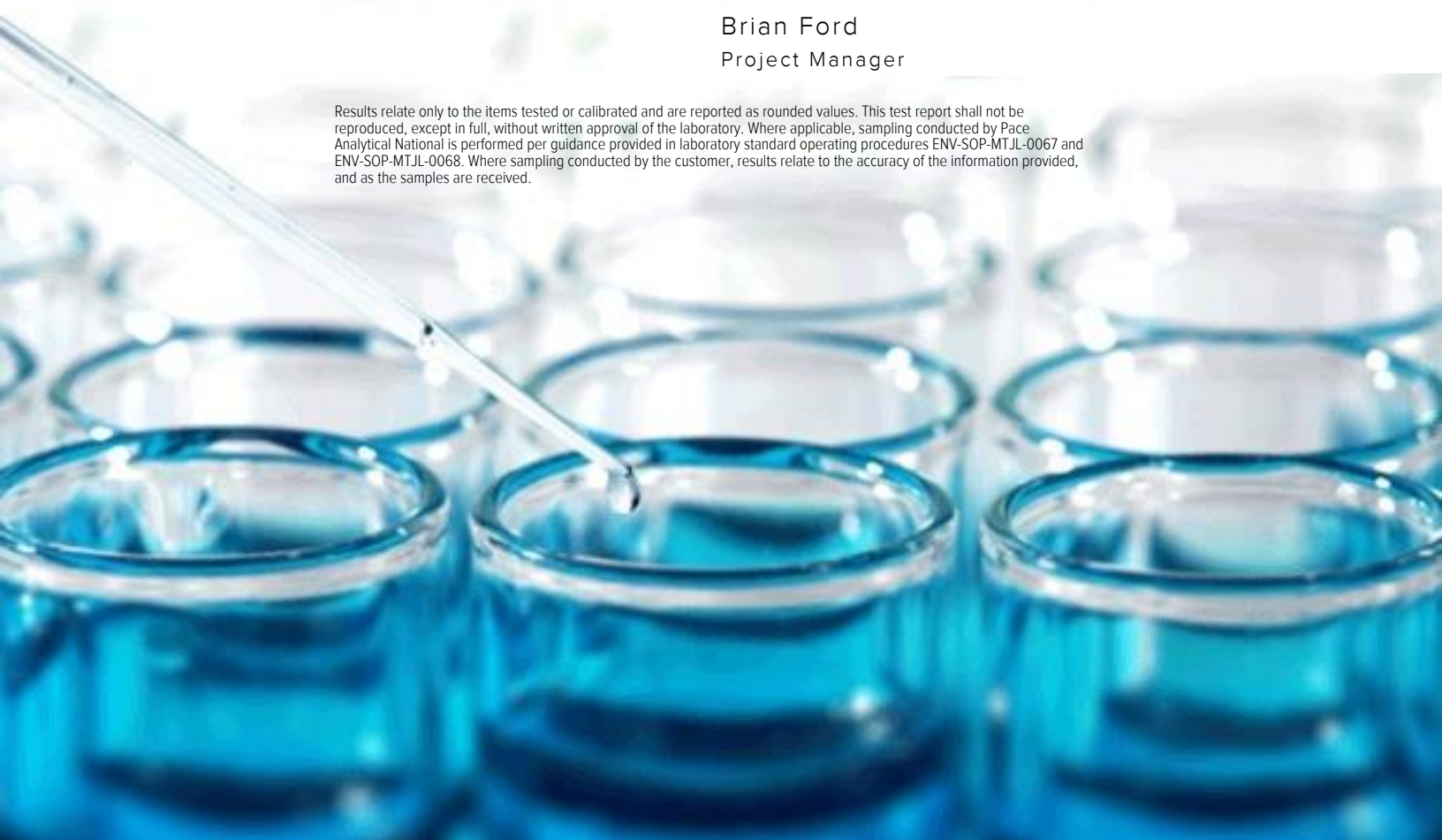
Report To: Cindy Bartlett
2201 NE 201st Avenue
Fairview, OR 97024-9718

Entire Report Reviewed By:



Brian Ford
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 Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



D17DS-020420 L1187224-01 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 13:25	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/09/20 23:13	02/09/20 23:13	BMB	Mt. Juliet, TN

1
Cp2
Tc3
Ss

D17DG-020420 L1187224-02 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 13:30	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/09/20 23:32	02/09/20 23:32	BMB	Mt. Juliet, TN

4
Cn5
Sr

EW12-020420 L1187224-03 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 14:25	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/09/20 23:51	02/09/20 23:51	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 11:08	02/14/20 11:08	JAH	Mt. Juliet, TN

6
Qc7
Gl8
Al

EW16-020420 L1187224-04 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 13:00	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 00:10	02/10/20 00:10	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 11:28	02/14/20 11:28	JAH	Mt. Juliet, TN

9
Sc

CMW10DS-020420 L1187224-05 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 16:00	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 00:28	02/10/20 00:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 11:48	02/14/20 11:48	JAH	Mt. Juliet, TN

CMW17DS-020420 L1187224-06 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 14:44	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 00:47	02/10/20 00:47	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 12:09	02/14/20 12:09	JAH	Mt. Juliet, TN

CMW17DS-020420-DUP L1187224-07 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 14:45	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 01:06	02/10/20 01:06	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 12:29	02/14/20 12:29	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



CMW18DS-020420 L1187224-08 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 15:45	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 01:25	02/10/20 01:25	BMB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

CMW18DS-020420-DUP L1187224-09 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 15:46	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 01:44	02/10/20 01:44	BMB	Mt. Juliet, TN

⁴ Cn

⁵ Sr

CMW19DS-020420 L1187224-10 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 16:32	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 02:03	02/10/20 02:03	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 12:49	02/14/20 12:49	JAH	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

CMW20DS-020420 L1187224-11 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 15:22	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 02:22	02/10/20 02:22	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 13:09	02/14/20 13:09	JAH	Mt. Juliet, TN

⁹ Sc

CMW24DG-020420 L1187224-12 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 12:52	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 02:41	02/10/20 02:41	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1427714	1	02/14/20 13:30	02/14/20 13:30	JAH	Mt. Juliet, TN

CMW25DG-020420 L1187224-13 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/04/20 12:25	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 03:00	02/10/20 03:00	BMB	Mt. Juliet, TN

EW1-020520 L1187224-14 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 10:05	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425102	1	02/10/20 03:19	02/10/20 03:19	BMB	Mt. Juliet, TN

EW2-020520 L1187224-15 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 09:30	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/10/20 22:41	02/10/20 22:41	JCP	Mt. Juliet, TN

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



EW14-020520 L1187224-16 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 09:42	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/10/20 23:02	02/10/20 23:02	JCP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

EW23-020520 L1187224-17 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 09:50	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/10/20 23:22	02/10/20 23:22	JCP	Mt. Juliet, TN

⁴ Cn

⁵ Sr

CMW14RDS-020520 L1187224-18 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 08:20	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/10/20 23:42	02/10/20 23:42	JCP	Mt. Juliet, TN

⁶ Qc

⁷ Gl

VMWA-020520 L1187224-19 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 10:30	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/11/20 00:03	02/11/20 00:03	JCP	Mt. Juliet, TN

⁸ Al

⁹ Sc

VMWB-020520 L1187224-20 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 10:44	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425591	1	02/11/20 00:23	02/11/20 00:23	JCP	Mt. Juliet, TN

VMWC-020520 L1187224-21 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 11:00	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/10/20 03:19	02/10/20 03:19	DWR	Mt. Juliet, TN

VMWD-020520 L1187224-22 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 12:00	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/10/20 03:39	02/10/20 03:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1426837	5	02/13/20 23:24	02/13/20 23:24	ADM	Mt. Juliet, TN

VMWE-020520 L1187224-23 GW

				Collected by PY/MT	Collected date/time	Received date/time
					02/05/20 12:20	02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1426837	1	02/13/20 23:44	02/13/20 23:44	GLN	Mt. Juliet, TN

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



VMWF-020520 L1187224-24 GW

				Collected by PY/MT	Collected date/time 02/05/20 12:40	Received date/time 02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/10/20 04:18	02/10/20 04:18	DWR	Mt. Juliet, TN

¹ Cp² Tc³ Ss

VMWG-020520 L1187224-25 GW

				Collected by PY/MT	Collected date/time 02/05/20 13:10	Received date/time 02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/10/20 04:37	02/10/20 04:37	DWR	Mt. Juliet, TN

⁴ Cn⁵ Sr

VMWH-020520 L1187224-26 GW

				Collected by PY/MT	Collected date/time 02/05/20 11:25	Received date/time 02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/10/20 04:56	02/10/20 04:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1426837	5	02/14/20 00:04	02/14/20 00:04	ADM	Mt. Juliet, TN

⁶ Qc⁷ Gl⁸ Al

TRIP BLANK LOT # 440 L1187224-27 GW

				Collected by PY/MT	Collected date/time 02/04/20 00:00	Received date/time 02/07/20 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1425103	1	02/09/20 23:46	02/09/20 23:46	DWR	Mt. Juliet, TN

⁹ Sc

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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.

Brian Ford
Project Manager

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	29.2	<u>JO</u>	25.0	1	02/09/2020 23:13	WG1425102
Acrolein	ND		50.0	1	02/09/2020 23:13	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/09/2020 23:13	WG1425102
Benzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Bromobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Bromodichloromethane	ND		0.500	1	02/09/2020 23:13	WG1425102
Bromoform	ND		0.500	1	02/09/2020 23:13	WG1425102
Bromomethane	ND		2.50	1	02/09/2020 23:13	WG1425102
n-Butylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
sec-Butylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
tert-Butylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Carbon disulfide	ND		0.500	1	02/09/2020 23:13	WG1425102
Carbon tetrachloride	ND		0.500	1	02/09/2020 23:13	WG1425102
Chlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Chlorodibromomethane	ND		0.500	1	02/09/2020 23:13	WG1425102
Chloroethane	ND		2.50	1	02/09/2020 23:13	WG1425102
Chloroform	ND		0.500	1	02/09/2020 23:13	WG1425102
Chloromethane	ND		1.25	1	02/09/2020 23:13	WG1425102
2-Chlorotoluene	ND		0.500	1	02/09/2020 23:13	WG1425102
4-Chlorotoluene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/09/2020 23:13	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/09/2020 23:13	WG1425102
Dibromomethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/09/2020 23:13	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/09/2020 23:13	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:13	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/09/2020 23:13	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:13	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:13	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/09/2020 23:13	WG1425102
Di-isopropyl ether	ND		0.500	1	02/09/2020 23:13	WG1425102
Ethylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/09/2020 23:13	WG1425102
Isopropylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/09/2020 23:13	WG1425102
2-Butanone (MEK)	ND	<u>JO</u>	5.00	1	02/09/2020 23:13	WG1425102
Methylene Chloride	ND		2.50	1	02/09/2020 23:13	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/09/2020 23:13	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/09/2020 23:13	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/09/2020 23:13	WG1425102
n-Propylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Styrene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
Tetrachloroethene	ND		0.500	1	02/09/2020 23:13	WG1425102
Toluene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/09/2020 23:13	WG1425102
Trichloroethene	0.748		0.500	1	02/09/2020 23:13	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/09/2020 23:13	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/09/2020 23:13	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/09/2020 23:13	WG1425102
Vinyl chloride	ND		0.500	1	02/09/2020 23:13	WG1425102
Xylenes, Total	ND		1.50	1	02/09/2020 23:13	WG1425102
(S) Toluene-d8	99.1		80.0-120		02/09/2020 23:13	WG1425102
(S) 4-Bromofluorobenzene	91.2		77.0-126		02/09/2020 23:13	WG1425102
(S) 1,2-Dichloroethane-d4	115		70.0-130		02/09/2020 23:13	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	33.8	<u>JO</u>	25.0	1	02/09/2020 23:32	WG1425102
Acrolein	ND		50.0	1	02/09/2020 23:32	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/09/2020 23:32	WG1425102
Benzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Bromobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Bromodichloromethane	ND		0.500	1	02/09/2020 23:32	WG1425102
Bromoform	ND		0.500	1	02/09/2020 23:32	WG1425102
Bromomethane	ND		2.50	1	02/09/2020 23:32	WG1425102
n-Butylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
sec-Butylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
tert-Butylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Carbon disulfide	ND		0.500	1	02/09/2020 23:32	WG1425102
Carbon tetrachloride	ND		0.500	1	02/09/2020 23:32	WG1425102
Chlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Chlorodibromomethane	ND		0.500	1	02/09/2020 23:32	WG1425102
Chloroethane	ND		2.50	1	02/09/2020 23:32	WG1425102
Chloroform	ND		0.500	1	02/09/2020 23:32	WG1425102
Chloromethane	ND		1.25	1	02/09/2020 23:32	WG1425102
2-Chlorotoluene	ND		0.500	1	02/09/2020 23:32	WG1425102
4-Chlorotoluene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/09/2020 23:32	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/09/2020 23:32	WG1425102
Dibromomethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/09/2020 23:32	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/09/2020 23:32	WG1425102
cis-1,2-Dichloroethene	11.4		0.500	1	02/09/2020 23:32	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/09/2020 23:32	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:32	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:32	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/09/2020 23:32	WG1425102
Di-isopropyl ether	ND		0.500	1	02/09/2020 23:32	WG1425102
Ethylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/09/2020 23:32	WG1425102
Isopropylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/09/2020 23:32	WG1425102
2-Butanone (MEK)	ND	<u>JO</u>	5.00	1	02/09/2020 23:32	WG1425102
Methylene Chloride	ND		2.50	1	02/09/2020 23:32	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/09/2020 23:32	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/09/2020 23:32	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/09/2020 23:32	WG1425102
n-Propylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Styrene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
Tetrachloroethene	1.02		0.500	1	02/09/2020 23:32	WG1425102
Toluene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/09/2020 23:32	WG1425102
Trichloroethene	50.8		0.500	1	02/09/2020 23:32	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/09/2020 23:32	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/09/2020 23:32	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/09/2020 23:32	WG1425102
Vinyl chloride	ND		0.500	1	02/09/2020 23:32	WG1425102
Xylenes, Total	ND		1.50	1	02/09/2020 23:32	WG1425102
(S) Toluene-d8	98.6		80.0-120		02/09/2020 23:32	WG1425102
(S) 4-Bromofluorobenzene	93.1		77.0-126		02/09/2020 23:32	WG1425102
(S) 1,2-Dichloroethane-d4	113		70.0-130		02/09/2020 23:32	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	176	<u>JO</u>	25.0	1	02/09/2020 23:51	WG1425102
Acrolein	ND		50.0	1	02/09/2020 23:51	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/09/2020 23:51	WG1425102
Benzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Bromobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Bromodichloromethane	ND		0.500	1	02/09/2020 23:51	WG1425102
Bromoform	ND		0.500	1	02/09/2020 23:51	WG1425102
Bromomethane	ND		2.50	1	02/09/2020 23:51	WG1425102
n-Butylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
sec-Butylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
tert-Butylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Carbon disulfide	ND		0.500	1	02/09/2020 23:51	WG1425102
Carbon tetrachloride	ND		0.500	1	02/09/2020 23:51	WG1425102
Chlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Chlorodibromomethane	ND		0.500	1	02/09/2020 23:51	WG1425102
Chloroethane	ND		2.50	1	02/09/2020 23:51	WG1425102
Chloroform	ND		0.500	1	02/09/2020 23:51	WG1425102
Chloromethane	ND		1.25	1	02/09/2020 23:51	WG1425102
2-Chlorotoluene	ND		0.500	1	02/09/2020 23:51	WG1425102
4-Chlorotoluene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/09/2020 23:51	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/09/2020 23:51	WG1425102
Dibromomethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/09/2020 23:51	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/09/2020 23:51	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:51	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/09/2020 23:51	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:51	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:51	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/09/2020 23:51	WG1425102
Di-isopropyl ether	ND		0.500	1	02/09/2020 23:51	WG1425102
Ethylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/09/2020 23:51	WG1425102
Isopropylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/09/2020 23:51	WG1425102
2-Butanone (MEK)	5.33		5.00	1	02/14/2020 11:08	WG1427714
Methylene Chloride	ND		2.50	1	02/09/2020 23:51	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/09/2020 23:51	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/09/2020 23:51	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/09/2020 23:51	WG1425102
n-Propylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Styrene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
Tetrachloroethene	ND		0.500	1	02/09/2020 23:51	WG1425102
Toluene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/09/2020 23:51	WG1425102
Trichloroethene	1.85		0.500	1	02/09/2020 23:51	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/09/2020 23:51	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/09/2020 23:51	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/09/2020 23:51	WG1425102
Vinyl chloride	ND		0.500	1	02/09/2020 23:51	WG1425102
Xylenes, Total	ND		1.50	1	02/09/2020 23:51	WG1425102
(S) Toluene-d8	101		80.0-120		02/09/2020 23:51	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 11:08	WG1427714
(S) 4-Bromofluorobenzene	96.4		77.0-126		02/09/2020 23:51	WG1425102
(S) 4-Bromofluorobenzene	103		77.0-126		02/14/2020 11:08	WG1427714
(S) 1,2-Dichloroethane-d4	115		70.0-130		02/09/2020 23:51	WG1425102
(S) 1,2-Dichloroethane-d4	105		70.0-130		02/14/2020 11:08	WG1427714

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	162	<u>JO</u>	25.0	1	02/10/2020 00:10	WG1425102
Acrolein	ND		50.0	1	02/10/2020 00:10	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 00:10	WG1425102
Benzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 00:10	WG1425102
Bromoform	ND		0.500	1	02/10/2020 00:10	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 00:10	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 00:10	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 00:10	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 00:10	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 00:10	WG1425102
Chloroform	ND		0.500	1	02/10/2020 00:10	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 00:10	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 00:10	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 00:10	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 00:10	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 00:10	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 00:10	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 00:10	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 00:10	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:10	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:10	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 00:10	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 00:10	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 00:10	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 00:10	WG1425102
2-Butanone (MEK)	ND		5.00	1	02/14/2020 11:28	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 00:10	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 00:10	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 00:10	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 00:10	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Styrene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 00:10	WG1425102
Toluene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 00:10	WG1425102
Trichloroethene	ND		0.500	1	02/10/2020 00:10	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 00:10	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 00:10	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 00:10	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 00:10	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 00:10	WG1425102
(S) Toluene-d8	101		80.0-120		02/10/2020 00:10	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 11:28	WG1427714
(S) 4-Bromofluorobenzene	95.3		77.0-126		02/10/2020 00:10	WG1425102
(S) 4-Bromofluorobenzene	103		77.0-126		02/14/2020 11:28	WG1427714
(S) 1,2-Dichloroethane-d4	117		70.0-130		02/10/2020 00:10	WG1425102
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/14/2020 11:28	WG1427714

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	273	<u>JO</u>	25.0	1	02/10/2020 00:28	WG1425102
Acrolein	ND		50.0	1	02/10/2020 00:28	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 00:28	WG1425102
Benzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 00:28	WG1425102
Bromoform	ND		0.500	1	02/10/2020 00:28	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 00:28	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 00:28	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 00:28	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 00:28	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 00:28	WG1425102
Chloroform	ND		0.500	1	02/10/2020 00:28	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 00:28	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 00:28	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 00:28	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 00:28	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 00:28	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 00:28	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 00:28	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 00:28	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:28	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:28	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 00:28	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 00:28	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 00:28	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 00:28	WG1425102
2-Butanone (MEK)	5.78		5.00	1	02/14/2020 11:48	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 00:28	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 00:28	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 00:28	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 00:28	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Styrene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 00:28	WG1425102
Toluene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 00:28	WG1425102
Trichloroethene	14.2		0.500	1	02/10/2020 00:28	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 00:28	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 00:28	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 00:28	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 00:28	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 00:28	WG1425102
(S) Toluene-d8	98.4		80.0-120		02/10/2020 00:28	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 11:48	WG1427714
(S) 4-Bromofluorobenzene	94.9		77.0-126		02/10/2020 00:28	WG1425102
(S) 4-Bromofluorobenzene	103		77.0-126		02/14/2020 11:48	WG1427714
(S) 1,2-Dichloroethane-d4	116		70.0-130		02/10/2020 00:28	WG1425102
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/14/2020 11:48	WG1427714

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	159	<u>JO</u>	25.0	1	02/10/2020 00:47	WG1425102	¹ Cp
Acrolein	ND		50.0	1	02/10/2020 00:47	WG1425102	² Tc
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 00:47	WG1425102	³ Ss
Benzene	ND		0.500	1	02/10/2020 00:47	WG1425102	⁴ Cn
Bromobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	⁵ Sr
Bromodichloromethane	ND		0.500	1	02/10/2020 00:47	WG1425102	⁶ Qc
Bromoform	ND		0.500	1	02/10/2020 00:47	WG1425102	⁷ Gl
Bromomethane	ND		2.50	1	02/10/2020 00:47	WG1425102	⁸ Al
n-Butylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	⁹ Sc
sec-Butylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
tert-Butylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
Carbon disulfide	ND		0.500	1	02/10/2020 00:47	WG1425102	
Carbon tetrachloride	ND		0.500	1	02/10/2020 00:47	WG1425102	
Chlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
Chlorodibromomethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
Chloroethane	ND		2.50	1	02/10/2020 00:47	WG1425102	
Chloroform	ND		0.500	1	02/10/2020 00:47	WG1425102	
Chloromethane	ND		1.25	1	02/10/2020 00:47	WG1425102	
2-Chlorotoluene	ND		0.500	1	02/10/2020 00:47	WG1425102	
4-Chlorotoluene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 00:47	WG1425102	
1,2-Dibromoethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
Dibromomethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 00:47	WG1425102	
1,1-Dichloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,2-Dichloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,1-Dichloroethene	ND		0.500	1	02/10/2020 00:47	WG1425102	
cis-1,2-Dichloroethene	2.26		0.500	1	02/10/2020 00:47	WG1425102	
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,2-Dichloropropane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,1-Dichloropropene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,3-Dichloropropane	ND		1.00	1	02/10/2020 00:47	WG1425102	
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:47	WG1425102	
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 00:47	WG1425102	
2,2-Dichloropropane	ND		0.500	1	02/10/2020 00:47	WG1425102	
Di-isopropyl ether	ND		0.500	1	02/10/2020 00:47	WG1425102	
Ethylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 00:47	WG1425102	
Isopropylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
p-Isopropyltoluene	ND		0.500	1	02/10/2020 00:47	WG1425102	
2-Butanone (MEK)	7.83		5.00	1	02/14/2020 12:09	WG1427714	
Methylene Chloride	ND		2.50	1	02/10/2020 00:47	WG1425102	
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 00:47	WG1425102	
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 00:47	WG1425102	
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 00:47	WG1425102	
n-Propylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	
Styrene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 00:47	WG1425102	
Tetrachloroethene	0.625		0.500	1	02/10/2020 00:47	WG1425102	
Toluene	ND		0.500	1	02/10/2020 00:47	WG1425102	
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102	



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 00:47	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 00:47	WG1425102
Trichloroethene	16.8		0.500	1	02/10/2020 00:47	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 00:47	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 00:47	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 00:47	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 00:47	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 00:47	WG1425102
(S) Toluene-d8	103		80.0-120		02/10/2020 00:47	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 12:09	WG1427714
(S) 4-Bromofluorobenzene	94.5		77.0-126		02/10/2020 00:47	WG1425102
(S) 4-Bromofluorobenzene	105		77.0-126		02/14/2020 12:09	WG1427714
(S) 1,2-Dichloroethane-d4	114		70.0-130		02/10/2020 00:47	WG1425102
(S) 1,2-Dichloroethane-d4	104		70.0-130		02/14/2020 12:09	WG1427714

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	211	<u>JO</u>	25.0	1	02/10/2020 01:06	WG1425102
Acrolein	ND		50.0	1	02/10/2020 01:06	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 01:06	WG1425102
Benzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 01:06	WG1425102
Bromoform	ND		0.500	1	02/10/2020 01:06	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 01:06	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 01:06	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 01:06	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 01:06	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 01:06	WG1425102
Chloroform	ND		0.500	1	02/10/2020 01:06	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 01:06	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 01:06	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 01:06	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 01:06	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 01:06	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 01:06	WG1425102
cis-1,2-Dichloroethene	6.36		0.500	1	02/10/2020 01:06	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 01:06	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:06	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:06	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 01:06	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 01:06	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 01:06	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 01:06	WG1425102
2-Butanone (MEK)	7.81		5.00	1	02/14/2020 12:29	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 01:06	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 01:06	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 01:06	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 01:06	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Styrene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
Tetrachloroethene	2.09		0.500	1	02/10/2020 01:06	WG1425102
Toluene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Collected date/time: 02/04/20 14:45

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 01:06	WG1425102
Trichloroethene	55.0		0.500	1	02/10/2020 01:06	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 01:06	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 01:06	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 01:06	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 01:06	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 01:06	WG1425102
(S) Toluene-d8	101		80.0-120		02/10/2020 01:06	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 12:29	WG1427714
(S) 4-Bromofluorobenzene	94.4		77.0-126		02/10/2020 01:06	WG1425102
(S) 4-Bromofluorobenzene	102		77.0-126		02/14/2020 12:29	WG1427714
(S) 1,2-Dichloroethane-d4	112		70.0-130		02/10/2020 01:06	WG1425102
(S) 1,2-Dichloroethane-d4	98.3		70.0-130		02/14/2020 12:29	WG1427714

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	127	<u>JO</u>	25.0	1	02/10/2020 01:25	WG1425102
Acrolein	ND		50.0	1	02/10/2020 01:25	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 01:25	WG1425102
Benzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 01:25	WG1425102
Bromoform	ND		0.500	1	02/10/2020 01:25	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 01:25	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 01:25	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 01:25	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 01:25	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 01:25	WG1425102
Chloroform	ND		0.500	1	02/10/2020 01:25	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 01:25	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 01:25	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 01:25	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 01:25	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 01:25	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 01:25	WG1425102
cis-1,2-Dichloroethene	9.55		0.500	1	02/10/2020 01:25	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 01:25	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:25	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:25	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 01:25	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 01:25	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 01:25	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 01:25	WG1425102
2-Butanone (MEK)	ND	<u>JO</u>	5.00	1	02/10/2020 01:25	WG1425102
Methylene Chloride	ND		2.50	1	02/10/2020 01:25	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 01:25	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 01:25	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 01:25	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Styrene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
Tetrachloroethene	2.04		0.500	1	02/10/2020 01:25	WG1425102
Toluene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 01:25	WG1425102
Trichloroethene	81.3		0.500	1	02/10/2020 01:25	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 01:25	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 01:25	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 01:25	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 01:25	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 01:25	WG1425102
(S) Toluene-d8	101		80.0-120		02/10/2020 01:25	WG1425102
(S) 4-Bromofluorobenzene	94.1		77.0-126		02/10/2020 01:25	WG1425102
(S) 1,2-Dichloroethane-d4	114		70.0-130		02/10/2020 01:25	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	119	<u>JO</u>	25.0	1	02/10/2020 01:44	WG1425102
Acrolein	ND		50.0	1	02/10/2020 01:44	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 01:44	WG1425102
Benzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 01:44	WG1425102
Bromoform	ND		0.500	1	02/10/2020 01:44	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 01:44	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 01:44	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 01:44	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 01:44	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 01:44	WG1425102
Chloroform	ND		0.500	1	02/10/2020 01:44	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 01:44	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 01:44	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 01:44	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 01:44	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 01:44	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 01:44	WG1425102
cis-1,2-Dichloroethene	9.05		0.500	1	02/10/2020 01:44	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 01:44	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:44	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 01:44	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 01:44	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 01:44	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 01:44	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 01:44	WG1425102
2-Butanone (MEK)	ND	<u>JO</u>	5.00	1	02/10/2020 01:44	WG1425102
Methylene Chloride	ND		2.50	1	02/10/2020 01:44	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 01:44	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 01:44	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 01:44	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Styrene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
Tetrachloroethene	2.22		0.500	1	02/10/2020 01:44	WG1425102
Toluene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 01:44	WG1425102
Trichloroethene	80.6		0.500	1	02/10/2020 01:44	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 01:44	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 01:44	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 01:44	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 01:44	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 01:44	WG1425102
(S) Toluene-d8	103		80.0-120		02/10/2020 01:44	WG1425102
(S) 4-Bromofluorobenzene	93.9		77.0-126		02/10/2020 01:44	WG1425102
(S) 1,2-Dichloroethane-d4	113		70.0-130		02/10/2020 01:44	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	174	<u>JO</u>	25.0	1	02/10/2020 02:03	WG1425102
Acrolein	ND		50.0	1	02/10/2020 02:03	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 02:03	WG1425102
Benzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 02:03	WG1425102
Bromoform	ND		0.500	1	02/10/2020 02:03	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 02:03	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 02:03	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 02:03	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 02:03	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 02:03	WG1425102
Chloroform	ND		0.500	1	02/10/2020 02:03	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 02:03	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 02:03	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 02:03	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 02:03	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 02:03	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 02:03	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:03	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 02:03	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:03	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:03	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 02:03	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 02:03	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 02:03	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 02:03	WG1425102
2-Butanone (MEK)	5.82		5.00	1	02/14/2020 12:49	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 02:03	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 02:03	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 02:03	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 02:03	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Styrene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 02:03	WG1425102
Toluene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 02:03	WG1425102
Trichloroethene	2.81		0.500	1	02/10/2020 02:03	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 02:03	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 02:03	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 02:03	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 02:03	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 02:03	WG1425102
(S) Toluene-d8	102		80.0-120		02/10/2020 02:03	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 12:49	WG1427714
(S) 4-Bromofluorobenzene	90.6		77.0-126		02/10/2020 02:03	WG1425102
(S) 4-Bromofluorobenzene	102		77.0-126		02/14/2020 12:49	WG1427714
(S) 1,2-Dichloroethane-d4	111		70.0-130		02/10/2020 02:03	WG1425102
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/14/2020 12:49	WG1427714

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	68.1	<u>JO</u>	25.0	1	02/10/2020 02:22	WG1425102
Acrolein	ND		50.0	1	02/10/2020 02:22	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 02:22	WG1425102
Benzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 02:22	WG1425102
Bromoform	ND		0.500	1	02/10/2020 02:22	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 02:22	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 02:22	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 02:22	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 02:22	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 02:22	WG1425102
Chloroform	ND		0.500	1	02/10/2020 02:22	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 02:22	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 02:22	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 02:22	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 02:22	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 02:22	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 02:22	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:22	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 02:22	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:22	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:22	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 02:22	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 02:22	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 02:22	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 02:22	WG1425102
2-Butanone (MEK)	ND		5.00	1	02/14/2020 13:09	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 02:22	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 02:22	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 02:22	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 02:22	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Styrene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 02:22	WG1425102
Toluene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 02:22	WG1425102
Trichloroethene	ND		0.500	1	02/10/2020 02:22	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 02:22	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 02:22	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 02:22	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 02:22	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 02:22	WG1425102
(S) Toluene-d8	102		80.0-120		02/10/2020 02:22	WG1425102
(S) Toluene-d8	100		80.0-120		02/14/2020 13:09	WG1427714
(S) 4-Bromofluorobenzene	93.6		77.0-126		02/10/2020 02:22	WG1425102
(S) 4-Bromofluorobenzene	101		77.0-126		02/14/2020 13:09	WG1427714
(S) 1,2-Dichloroethane-d4	111		70.0-130		02/10/2020 02:22	WG1425102
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/14/2020 13:09	WG1427714

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	151	<u>JO</u>	25.0	1	02/10/2020 02:41	WG1425102
Acrolein	ND		50.0	1	02/10/2020 02:41	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 02:41	WG1425102
Benzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 02:41	WG1425102
Bromoform	ND		0.500	1	02/10/2020 02:41	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 02:41	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 02:41	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 02:41	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 02:41	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 02:41	WG1425102
Chloroform	ND		0.500	1	02/10/2020 02:41	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 02:41	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 02:41	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 02:41	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 02:41	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 02:41	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 02:41	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:41	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 02:41	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:41	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 02:41	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 02:41	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 02:41	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 02:41	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 02:41	WG1425102
2-Butanone (MEK)	ND		5.00	1	02/14/2020 13:30	WG1427714
Methylene Chloride	ND		2.50	1	02/10/2020 02:41	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 02:41	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 02:41	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 02:41	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Styrene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 02:41	WG1425102
Toluene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 02:41	WG1425102
Trichloroethene	ND		0.500	1	02/10/2020 02:41	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 02:41	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 02:41	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 02:41	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 02:41	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 02:41	WG1425102
(S) Toluene-d8	102		80.0-120		02/10/2020 02:41	WG1425102
(S) Toluene-d8	101		80.0-120		02/14/2020 13:30	WG1427714
(S) 4-Bromofluorobenzene	92.5		77.0-126		02/10/2020 02:41	WG1425102
(S) 4-Bromofluorobenzene	101		77.0-126		02/14/2020 13:30	WG1427714
(S) 1,2-Dichloroethane-d4	113		70.0-130		02/10/2020 02:41	WG1425102
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/14/2020 13:30	WG1427714

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	72.0	<u>JO</u>	25.0	1	02/10/2020 03:00	WG1425102
Acrolein	ND		50.0	1	02/10/2020 03:00	WG1425102
Acrylonitrile	ND	<u>J4</u>	5.00	1	02/10/2020 03:00	WG1425102
Benzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 03:00	WG1425102
Bromoform	ND		0.500	1	02/10/2020 03:00	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 03:00	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 03:00	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 03:00	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 03:00	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 03:00	WG1425102
Chloroform	ND		0.500	1	02/10/2020 03:00	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 03:00	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 03:00	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	02/10/2020 03:00	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 03:00	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 03:00	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 03:00	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:00	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 03:00	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:00	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:00	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 03:00	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 03:00	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 03:00	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 03:00	WG1425102
2-Butanone (MEK)	ND	<u>JO</u>	5.00	1	02/10/2020 03:00	WG1425102
Methylene Chloride	ND		2.50	1	02/10/2020 03:00	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 03:00	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 03:00	WG1425102
Naphthalene	ND	<u>JO</u>	2.50	1	02/10/2020 03:00	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Styrene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 03:00	WG1425102
Toluene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 03:00	WG1425102
Trichloroethene	ND		0.500	1	02/10/2020 03:00	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 03:00	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 03:00	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 03:00	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 03:00	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 03:00	WG1425102
(S) Toluene-d8	103		80.0-120		02/10/2020 03:00	WG1425102
(S) 4-Bromofluorobenzene	92.6		77.0-126		02/10/2020 03:00	WG1425102
(S) 1,2-Dichloroethane-d4	112		70.0-130		02/10/2020 03:00	WG1425102

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/10/2020 03:19	WG1425102
Acrolein	ND		50.0	1	02/10/2020 03:19	WG1425102
Acrylonitrile	ND	J4	5.00	1	02/10/2020 03:19	WG1425102
Benzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Bromobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Bromodichloromethane	ND		0.500	1	02/10/2020 03:19	WG1425102
Bromoform	ND		0.500	1	02/10/2020 03:19	WG1425102
Bromomethane	ND		2.50	1	02/10/2020 03:19	WG1425102
n-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
sec-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
tert-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Carbon disulfide	ND		0.500	1	02/10/2020 03:19	WG1425102
Carbon tetrachloride	ND		0.500	1	02/10/2020 03:19	WG1425102
Chlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Chlorodibromomethane	ND		0.500	1	02/10/2020 03:19	WG1425102
Chloroethane	ND		2.50	1	02/10/2020 03:19	WG1425102
Chloroform	ND		0.500	1	02/10/2020 03:19	WG1425102
Chloromethane	ND		1.25	1	02/10/2020 03:19	WG1425102
2-Chlorotoluene	ND		0.500	1	02/10/2020 03:19	WG1425102
4-Chlorotoluene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2-Dibromo-3-Chloropropane	ND	JO	2.50	1	02/10/2020 03:19	WG1425102
1,2-Dibromoethane	ND		0.500	1	02/10/2020 03:19	WG1425102
Dibromomethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 03:19	WG1425102
1,1-Dichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2-Dichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1-Dichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425102
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425102
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2-Dichloropropane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,3-Dichloropropane	ND		1.00	1	02/10/2020 03:19	WG1425102
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425102
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425102
2,2-Dichloropropane	ND		0.500	1	02/10/2020 03:19	WG1425102
Di-isopropyl ether	ND		0.500	1	02/10/2020 03:19	WG1425102
Ethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 03:19	WG1425102
Isopropylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
p-Isopropyltoluene	ND		0.500	1	02/10/2020 03:19	WG1425102
2-Butanone (MEK)	ND		5.00	1	02/10/2020 03:19	WG1425102
Methylene Chloride	ND		2.50	1	02/10/2020 03:19	WG1425102
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 03:19	WG1425102
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 03:19	WG1425102
Naphthalene	ND	JO	2.50	1	02/10/2020 03:19	WG1425102
n-Propylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Styrene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
Tetrachloroethene	ND		0.500	1	02/10/2020 03:19	WG1425102
Toluene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425102
Trichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425102
Trichlorofluoromethane	ND		2.50	1	02/10/2020 03:19	WG1425102
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 03:19	WG1425102
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425102
Vinyl chloride	ND		0.500	1	02/10/2020 03:19	WG1425102
Xylenes, Total	ND		1.50	1	02/10/2020 03:19	WG1425102
(S) Toluene-d8	103		80.0-120		02/10/2020 03:19	WG1425102
(S) 4-Bromofluorobenzene	95.0		77.0-126		02/10/2020 03:19	WG1425102
(S) 1,2-Dichloroethane-d4	108		70.0-130		02/10/2020 03:19	WG1425102

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/10/2020 22:41	WG1425591
Acrolein	ND	JO	50.0	1	02/10/2020 22:41	WG1425591
Acrylonitrile	ND		5.00	1	02/10/2020 22:41	WG1425591
Benzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Bromobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Bromodichloromethane	ND		0.500	1	02/10/2020 22:41	WG1425591
Bromoform	ND		0.500	1	02/10/2020 22:41	WG1425591
Bromomethane	ND		2.50	1	02/10/2020 22:41	WG1425591
n-Butylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
sec-Butylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
tert-Butylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Carbon disulfide	ND		0.500	1	02/10/2020 22:41	WG1425591
Carbon tetrachloride	ND		0.500	1	02/10/2020 22:41	WG1425591
Chlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Chlorodibromomethane	ND		0.500	1	02/10/2020 22:41	WG1425591
Chloroethane	ND		2.50	1	02/10/2020 22:41	WG1425591
Chloroform	ND		0.500	1	02/10/2020 22:41	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/10/2020 22:41	WG1425591
2-Chlorotoluene	ND		0.500	1	02/10/2020 22:41	WG1425591
4-Chlorotoluene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 22:41	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/10/2020 22:41	WG1425591
Dibromomethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 22:41	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/10/2020 22:41	WG1425591
cis-1,2-Dichloroethene	1.53		0.500	1	02/10/2020 22:41	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/10/2020 22:41	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 22:41	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 22:41	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/10/2020 22:41	WG1425591
Di-isopropyl ether	ND		0.500	1	02/10/2020 22:41	WG1425591
Ethylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 22:41	WG1425591
Isopropylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/10/2020 22:41	WG1425591
2-Butanone (MEK)	ND		5.00	1	02/10/2020 22:41	WG1425591
Methylene Chloride	ND		2.50	1	02/10/2020 22:41	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 22:41	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 22:41	WG1425591
Naphthalene	ND		2.50	1	02/10/2020 22:41	WG1425591
n-Propylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Styrene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
Tetrachloroethene	0.815		0.500	1	02/10/2020 22:41	WG1425591
Toluene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 22:41	WG1425591
Trichloroethene	13.3		0.500	1	02/10/2020 22:41	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/10/2020 22:41	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 22:41	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 22:41	WG1425591
Vinyl chloride	ND		0.500	1	02/10/2020 22:41	WG1425591
Xylenes, Total	ND		1.50	1	02/10/2020 22:41	WG1425591
(S) Toluene-d8	101		80.0-120		02/10/2020 22:41	WG1425591
(S) 4-Bromofluorobenzene	97.7		77.0-126		02/10/2020 22:41	WG1425591
(S) 1,2-Dichloroethane-d4	99.1		70.0-130		02/10/2020 22:41	WG1425591

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/10/2020 23:02	WG1425591
Acrolein	ND	JO	50.0	1	02/10/2020 23:02	WG1425591
Acrylonitrile	ND		5.00	1	02/10/2020 23:02	WG1425591
Benzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Bromobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Bromodichloromethane	ND		0.500	1	02/10/2020 23:02	WG1425591
Bromoform	ND		0.500	1	02/10/2020 23:02	WG1425591
Bromomethane	ND		2.50	1	02/10/2020 23:02	WG1425591
n-Butylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
sec-Butylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
tert-Butylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Carbon disulfide	ND		0.500	1	02/10/2020 23:02	WG1425591
Carbon tetrachloride	ND		0.500	1	02/10/2020 23:02	WG1425591
Chlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Chlorodibromomethane	ND		0.500	1	02/10/2020 23:02	WG1425591
Chloroethane	ND		2.50	1	02/10/2020 23:02	WG1425591
Chloroform	ND		0.500	1	02/10/2020 23:02	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/10/2020 23:02	WG1425591
2-Chlorotoluene	ND		0.500	1	02/10/2020 23:02	WG1425591
4-Chlorotoluene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 23:02	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/10/2020 23:02	WG1425591
Dibromomethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 23:02	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/10/2020 23:02	WG1425591
cis-1,2-Dichloroethene	1.06		0.500	1	02/10/2020 23:02	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/10/2020 23:02	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:02	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:02	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/10/2020 23:02	WG1425591
Di-isopropyl ether	ND		0.500	1	02/10/2020 23:02	WG1425591
Ethylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 23:02	WG1425591
Isopropylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/10/2020 23:02	WG1425591
2-Butanone (MEK)	ND		5.00	1	02/10/2020 23:02	WG1425591
Methylene Chloride	ND		2.50	1	02/10/2020 23:02	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 23:02	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 23:02	WG1425591
Naphthalene	ND		2.50	1	02/10/2020 23:02	WG1425591
n-Propylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Styrene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
Tetrachloroethene	0.523		0.500	1	02/10/2020 23:02	WG1425591
Toluene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 23:02	WG1425591
Trichloroethene	7.74		0.500	1	02/10/2020 23:02	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/10/2020 23:02	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 23:02	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 23:02	WG1425591
Vinyl chloride	ND		0.500	1	02/10/2020 23:02	WG1425591
Xylenes, Total	ND		1.50	1	02/10/2020 23:02	WG1425591
(S) Toluene-d8	103		80.0-120		02/10/2020 23:02	WG1425591
(S) 4-Bromofluorobenzene	102		77.0-126		02/10/2020 23:02	WG1425591
(S) 1,2-Dichloroethane-d4	100		70.0-130		02/10/2020 23:02	WG1425591

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	02/10/2020 23:22	WG1425591
Acrolein	ND	JO	50.0	1	02/10/2020 23:22	WG1425591
Acrylonitrile	ND		5.00	1	02/10/2020 23:22	WG1425591
Benzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Bromobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Bromodichloromethane	ND		0.500	1	02/10/2020 23:22	WG1425591
Bromoform	ND		0.500	1	02/10/2020 23:22	WG1425591
Bromomethane	ND		2.50	1	02/10/2020 23:22	WG1425591
n-Butylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
sec-Butylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
tert-Butylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Carbon disulfide	ND		0.500	1	02/10/2020 23:22	WG1425591
Carbon tetrachloride	ND		0.500	1	02/10/2020 23:22	WG1425591
Chlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Chlorodibromomethane	ND		0.500	1	02/10/2020 23:22	WG1425591
Chloroethane	ND		2.50	1	02/10/2020 23:22	WG1425591
Chloroform	0.551		0.500	1	02/10/2020 23:22	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/10/2020 23:22	WG1425591
2-Chlorotoluene	ND		0.500	1	02/10/2020 23:22	WG1425591
4-Chlorotoluene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 23:22	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/10/2020 23:22	WG1425591
Dibromomethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 23:22	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/10/2020 23:22	WG1425591
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 23:22	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/10/2020 23:22	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:22	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:22	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/10/2020 23:22	WG1425591
Di-isopropyl ether	ND		0.500	1	02/10/2020 23:22	WG1425591
Ethylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 23:22	WG1425591
Isopropylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/10/2020 23:22	WG1425591
2-Butanone (MEK)	ND		5.00	1	02/10/2020 23:22	WG1425591
Methylene Chloride	ND		2.50	1	02/10/2020 23:22	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 23:22	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 23:22	WG1425591
Naphthalene	ND		2.50	1	02/10/2020 23:22	WG1425591
n-Propylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Styrene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
Tetrachloroethene	ND		0.500	1	02/10/2020 23:22	WG1425591
Toluene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 23:22	WG1425591
Trichloroethene	1.74		0.500	1	02/10/2020 23:22	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/10/2020 23:22	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 23:22	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 23:22	WG1425591
Vinyl chloride	ND		0.500	1	02/10/2020 23:22	WG1425591
Xylenes, Total	ND		1.50	1	02/10/2020 23:22	WG1425591
(S) Toluene-d8	104		80.0-120		02/10/2020 23:22	WG1425591
(S) 4-Bromofluorobenzene	100		77.0-126		02/10/2020 23:22	WG1425591
(S) 1,2-Dichloroethane-d4	99.0		70.0-130		02/10/2020 23:22	WG1425591

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	115		25.0	1	02/10/2020 23:42	WG1425591
Acrolein	ND	JO	50.0	1	02/10/2020 23:42	WG1425591
Acrylonitrile	ND		5.00	1	02/10/2020 23:42	WG1425591
Benzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Bromobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Bromodichloromethane	ND		0.500	1	02/10/2020 23:42	WG1425591
Bromoform	ND		0.500	1	02/10/2020 23:42	WG1425591
Bromomethane	ND		2.50	1	02/10/2020 23:42	WG1425591
n-Butylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
sec-Butylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
tert-Butylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Carbon disulfide	ND		0.500	1	02/10/2020 23:42	WG1425591
Carbon tetrachloride	ND		0.500	1	02/10/2020 23:42	WG1425591
Chlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Chlorodibromomethane	ND		0.500	1	02/10/2020 23:42	WG1425591
Chloroethane	ND		2.50	1	02/10/2020 23:42	WG1425591
Chloroform	1.29		0.500	1	02/10/2020 23:42	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/10/2020 23:42	WG1425591
2-Chlorotoluene	ND		0.500	1	02/10/2020 23:42	WG1425591
4-Chlorotoluene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 23:42	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/10/2020 23:42	WG1425591
Dibromomethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/10/2020 23:42	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/10/2020 23:42	WG1425591
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 23:42	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/10/2020 23:42	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:42	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 23:42	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/10/2020 23:42	WG1425591
Di-isopropyl ether	ND		0.500	1	02/10/2020 23:42	WG1425591
Ethylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 23:42	WG1425591
Isopropylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/10/2020 23:42	WG1425591
2-Butanone (MEK)	ND		5.00	1	02/10/2020 23:42	WG1425591
Methylene Chloride	ND		2.50	1	02/10/2020 23:42	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 23:42	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 23:42	WG1425591
Naphthalene	ND		2.50	1	02/10/2020 23:42	WG1425591
n-Propylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Styrene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
Tetrachloroethene	ND		0.500	1	02/10/2020 23:42	WG1425591
Toluene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 23:42	WG1425591
Trichloroethene	ND		0.500	1	02/10/2020 23:42	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/10/2020 23:42	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 23:42	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 23:42	WG1425591
Vinyl chloride	ND		0.500	1	02/10/2020 23:42	WG1425591
Xylenes, Total	ND		1.50	1	02/10/2020 23:42	WG1425591
(S) Toluene-d8	104		80.0-120		02/10/2020 23:42	WG1425591
(S) 4-Bromofluorobenzene	100		77.0-126		02/10/2020 23:42	WG1425591
(S) 1,2-Dichloroethane-d4	98.9		70.0-130		02/10/2020 23:42	WG1425591

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/11/2020 00:03	WG1425591
Acrolein	ND	JO	50.0	1	02/11/2020 00:03	WG1425591
Acrylonitrile	ND		5.00	1	02/11/2020 00:03	WG1425591
Benzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Bromobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Bromodichloromethane	ND		0.500	1	02/11/2020 00:03	WG1425591
Bromoform	ND		0.500	1	02/11/2020 00:03	WG1425591
Bromomethane	ND		2.50	1	02/11/2020 00:03	WG1425591
n-Butylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
sec-Butylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
tert-Butylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Carbon disulfide	ND		0.500	1	02/11/2020 00:03	WG1425591
Carbon tetrachloride	ND		0.500	1	02/11/2020 00:03	WG1425591
Chlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Chlorodibromomethane	ND		0.500	1	02/11/2020 00:03	WG1425591
Chloroethane	ND		2.50	1	02/11/2020 00:03	WG1425591
Chloroform	ND		0.500	1	02/11/2020 00:03	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/11/2020 00:03	WG1425591
2-Chlorotoluene	ND		0.500	1	02/11/2020 00:03	WG1425591
4-Chlorotoluene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/11/2020 00:03	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/11/2020 00:03	WG1425591
Dibromomethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/11/2020 00:03	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/11/2020 00:03	WG1425591
cis-1,2-Dichloroethene	0.714		0.500	1	02/11/2020 00:03	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/11/2020 00:03	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/11/2020 00:03	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/11/2020 00:03	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/11/2020 00:03	WG1425591
Di-isopropyl ether	ND		0.500	1	02/11/2020 00:03	WG1425591
Ethylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2020 00:03	WG1425591
Isopropylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/11/2020 00:03	WG1425591
2-Butanone (MEK)	ND		5.00	1	02/11/2020 00:03	WG1425591
Methylene Chloride	ND		2.50	1	02/11/2020 00:03	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/11/2020 00:03	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/11/2020 00:03	WG1425591
Naphthalene	ND		2.50	1	02/11/2020 00:03	WG1425591
n-Propylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Styrene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
Tetrachloroethene	ND		0.500	1	02/11/2020 00:03	WG1425591
Toluene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 10:30

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/11/2020 00:03	WG1425591
Trichloroethene	5.76		0.500	1	02/11/2020 00:03	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/11/2020 00:03	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/11/2020 00:03	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/11/2020 00:03	WG1425591
Vinyl chloride	ND		0.500	1	02/11/2020 00:03	WG1425591
Xylenes, Total	ND		1.50	1	02/11/2020 00:03	WG1425591
(S) Toluene-d8	103		80.0-120		02/11/2020 00:03	WG1425591
(S) 4-Bromofluorobenzene	102		77.0-126		02/11/2020 00:03	WG1425591
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/11/2020 00:03	WG1425591

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	247		25.0	1	02/11/2020 00:23	WG1425591
Acrolein	ND	JO	50.0	1	02/11/2020 00:23	WG1425591
Acrylonitrile	ND		5.00	1	02/11/2020 00:23	WG1425591
Benzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Bromobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Bromodichloromethane	ND		0.500	1	02/11/2020 00:23	WG1425591
Bromoform	ND		0.500	1	02/11/2020 00:23	WG1425591
Bromomethane	ND		2.50	1	02/11/2020 00:23	WG1425591
n-Butylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
sec-Butylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
tert-Butylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Carbon disulfide	ND		0.500	1	02/11/2020 00:23	WG1425591
Carbon tetrachloride	ND		0.500	1	02/11/2020 00:23	WG1425591
Chlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Chlorodibromomethane	ND		0.500	1	02/11/2020 00:23	WG1425591
Chloroethane	ND		2.50	1	02/11/2020 00:23	WG1425591
Chloroform	ND		0.500	1	02/11/2020 00:23	WG1425591
Chloromethane	ND	JO J4	1.25	1	02/11/2020 00:23	WG1425591
2-Chlorotoluene	ND		0.500	1	02/11/2020 00:23	WG1425591
4-Chlorotoluene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/11/2020 00:23	WG1425591
1,2-Dibromoethane	ND		0.500	1	02/11/2020 00:23	WG1425591
Dibromomethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2-Dichlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,3-Dichlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,4-Dichlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Dichlorodifluoromethane	ND		2.50	1	02/11/2020 00:23	WG1425591
1,1-Dichloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2-Dichloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1-Dichloroethene	ND		0.500	1	02/11/2020 00:23	WG1425591
cis-1,2-Dichloroethene	4.05		0.500	1	02/11/2020 00:23	WG1425591
trans-1,2-Dichloroethene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2-Dichloropropane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1-Dichloropropene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,3-Dichloropropane	ND		1.00	1	02/11/2020 00:23	WG1425591
cis-1,3-Dichloropropene	ND		0.500	1	02/11/2020 00:23	WG1425591
trans-1,3-Dichloropropene	ND		0.500	1	02/11/2020 00:23	WG1425591
2,2-Dichloropropane	ND		0.500	1	02/11/2020 00:23	WG1425591
Di-isopropyl ether	ND		0.500	1	02/11/2020 00:23	WG1425591
Ethylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2020 00:23	WG1425591
Isopropylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
p-Isopropyltoluene	ND		0.500	1	02/11/2020 00:23	WG1425591
2-Butanone (MEK)	8.86		5.00	1	02/11/2020 00:23	WG1425591
Methylene Chloride	ND		2.50	1	02/11/2020 00:23	WG1425591
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/11/2020 00:23	WG1425591
Methyl tert-butyl ether	ND		0.500	1	02/11/2020 00:23	WG1425591
Naphthalene	ND		2.50	1	02/11/2020 00:23	WG1425591
n-Propylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Styrene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
Tetrachloroethene	1.14		0.500	1	02/11/2020 00:23	WG1425591
Toluene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2,3-Trichlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 10:44

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1,1-Trichloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
1,1,2-Trichloroethane	ND		0.500	1	02/11/2020 00:23	WG1425591
Trichloroethene	25.2		0.500	1	02/11/2020 00:23	WG1425591
Trichlorofluoromethane	ND		2.50	1	02/11/2020 00:23	WG1425591
1,2,3-Trichloropropane	ND		2.50	1	02/11/2020 00:23	WG1425591
1,2,4-Trimethylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,2,3-Trimethylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
1,3,5-Trimethylbenzene	ND		0.500	1	02/11/2020 00:23	WG1425591
Vinyl chloride	ND		0.500	1	02/11/2020 00:23	WG1425591
Xylenes, Total	ND		1.50	1	02/11/2020 00:23	WG1425591
(S) Toluene-d8	102		80.0-120		02/11/2020 00:23	WG1425591
(S) 4-Bromofluorobenzene	101		77.0-126		02/11/2020 00:23	WG1425591
(S) 1,2-Dichloroethane-d4	99.6		70.0-130		02/11/2020 00:23	WG1425591

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/10/2020 03:19	WG1425103
Acrolein	ND		50.0	1	02/10/2020 03:19	WG1425103
Acrylonitrile	ND		5.00	1	02/10/2020 03:19	WG1425103
Benzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Bromobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Bromodichloromethane	ND		0.500	1	02/10/2020 03:19	WG1425103
Bromoform	ND		0.500	1	02/10/2020 03:19	WG1425103
Bromomethane	ND		2.50	1	02/10/2020 03:19	WG1425103
n-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
sec-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
tert-Butylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Carbon disulfide	ND		0.500	1	02/10/2020 03:19	WG1425103
Carbon tetrachloride	ND		0.500	1	02/10/2020 03:19	WG1425103
Chlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Chlorodibromomethane	ND		0.500	1	02/10/2020 03:19	WG1425103
Chloroethane	ND		2.50	1	02/10/2020 03:19	WG1425103
Chloroform	ND		0.500	1	02/10/2020 03:19	WG1425103
Chloromethane	ND		1.25	1	02/10/2020 03:19	WG1425103
2-Chlorotoluene	ND		0.500	1	02/10/2020 03:19	WG1425103
4-Chlorotoluene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 03:19	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/10/2020 03:19	WG1425103
Dibromomethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Dichlorodifluoromethane	ND	JO	2.50	1	02/10/2020 03:19	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425103
cis-1,2-Dichloroethene	0.888		0.500	1	02/10/2020 03:19	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/10/2020 03:19	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:19	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/10/2020 03:19	WG1425103
Di-isopropyl ether	ND		0.500	1	02/10/2020 03:19	WG1425103
Ethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 03:19	WG1425103
Isopropylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/10/2020 03:19	WG1425103
2-Butanone (MEK)	ND		5.00	1	02/10/2020 03:19	WG1425103
Methylene Chloride	ND		2.50	1	02/10/2020 03:19	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 03:19	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 03:19	WG1425103
Naphthalene	ND		2.50	1	02/10/2020 03:19	WG1425103
n-Propylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Styrene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
Tetrachloroethene	0.505		0.500	1	02/10/2020 03:19	WG1425103
Toluene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2,3-Trichlorobenzene	ND	JO	0.500	1	02/10/2020 03:19	WG1425103

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 11:00

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 03:19	WG1425103
Trichloroethene	11.3		0.500	1	02/10/2020 03:19	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/10/2020 03:19	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 03:19	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 03:19	WG1425103
Vinyl chloride	ND		0.500	1	02/10/2020 03:19	WG1425103
Xylenes, Total	ND		1.50	1	02/10/2020 03:19	WG1425103
(S) Toluene-d8	98.5		80.0-120		02/10/2020 03:19	WG1425103
(S) 4-Bromofluorobenzene	102		77.0-126		02/10/2020 03:19	WG1425103
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		02/10/2020 03:19	WG1425103

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	165		125	5	02/13/2020 23:24	WG1426837
Acrolein	ND		50.0	1	02/10/2020 03:39	WG1425103
Acrylonitrile	ND		5.00	1	02/10/2020 03:39	WG1425103
Benzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Bromobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Bromodichloromethane	ND		0.500	1	02/10/2020 03:39	WG1425103
Bromoform	ND		0.500	1	02/10/2020 03:39	WG1425103
Bromomethane	ND		2.50	1	02/10/2020 03:39	WG1425103
n-Butylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
sec-Butylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
tert-Butylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Carbon disulfide	ND		0.500	1	02/10/2020 03:39	WG1425103
Carbon tetrachloride	ND		0.500	1	02/10/2020 03:39	WG1425103
Chlorobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Chlorodibromomethane	ND		0.500	1	02/10/2020 03:39	WG1425103
Chloroethane	ND		2.50	1	02/10/2020 03:39	WG1425103
Chloroform	ND		0.500	1	02/10/2020 03:39	WG1425103
Chloromethane	ND		1.25	1	02/10/2020 03:39	WG1425103
2-Chlorotoluene	ND		0.500	1	02/10/2020 03:39	WG1425103
4-Chlorotoluene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 03:39	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/10/2020 03:39	WG1425103
Dibromomethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Dichlorodifluoromethane	ND	<u>JO</u>	2.50	1	02/10/2020 03:39	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/10/2020 03:39	WG1425103
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:39	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/10/2020 03:39	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:39	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 03:39	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/10/2020 03:39	WG1425103
Di-isopropyl ether	ND		0.500	1	02/10/2020 03:39	WG1425103
Ethylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 03:39	WG1425103
Isopropylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/10/2020 03:39	WG1425103
2-Butanone (MEK)	7.46	<u>B</u>	5.00	1	02/10/2020 03:39	WG1425103
Methylene Chloride	ND		2.50	1	02/10/2020 03:39	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 03:39	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 03:39	WG1425103
Naphthalene	ND		2.50	1	02/10/2020 03:39	WG1425103
n-Propylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Styrene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
Tetrachloroethene	ND		0.500	1	02/10/2020 03:39	WG1425103
Toluene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2,3-Trichlorobenzene	ND	<u>JO</u>	0.500	1	02/10/2020 03:39	WG1425103

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 03:39	WG1425103
Trichloroethene	1.30		0.500	1	02/10/2020 03:39	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/10/2020 03:39	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 03:39	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 03:39	WG1425103
Vinyl chloride	ND		0.500	1	02/10/2020 03:39	WG1425103
Xylenes, Total	ND		1.50	1	02/10/2020 03:39	WG1425103
(S) Toluene-d8	95.9		80.0-120		02/10/2020 03:39	WG1425103
(S) Toluene-d8	89.8		80.0-120		02/13/2020 23:24	WG1426837
(S) 4-Bromofluorobenzene	109		77.0-126		02/10/2020 03:39	WG1425103
(S) 4-Bromofluorobenzene	89.6		77.0-126		02/13/2020 23:24	WG1426837
(S) 1,2-Dichloroethane-d4	99.9		70.0-130		02/10/2020 03:39	WG1425103
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/13/2020 23:24	WG1426837

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/13/2020 23:44	WG1426837
Acrolein	ND		50.0	1	02/13/2020 23:44	WG1426837
Acrylonitrile	ND		5.00	1	02/13/2020 23:44	WG1426837
Benzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Bromobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Bromodichloromethane	ND		0.500	1	02/13/2020 23:44	WG1426837
Bromoform	ND		0.500	1	02/13/2020 23:44	WG1426837
Bromomethane	ND		2.50	1	02/13/2020 23:44	WG1426837
n-Butylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
sec-Butylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
tert-Butylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Carbon disulfide	ND		0.500	1	02/13/2020 23:44	WG1426837
Carbon tetrachloride	ND		0.500	1	02/13/2020 23:44	WG1426837
Chlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Chlorodibromomethane	ND		0.500	1	02/13/2020 23:44	WG1426837
Chloroethane	ND		2.50	1	02/13/2020 23:44	WG1426837
Chloroform	ND		0.500	1	02/13/2020 23:44	WG1426837
Chloromethane	ND		1.25	1	02/13/2020 23:44	WG1426837
2-Chlorotoluene	ND		0.500	1	02/13/2020 23:44	WG1426837
4-Chlorotoluene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/13/2020 23:44	WG1426837
1,2-Dibromoethane	ND		0.500	1	02/13/2020 23:44	WG1426837
Dibromomethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2-Dichlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,3-Dichlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,4-Dichlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Dichlorodifluoromethane	ND		2.50	1	02/13/2020 23:44	WG1426837
1,1-Dichloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2-Dichloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1-Dichloroethene	ND		0.500	1	02/13/2020 23:44	WG1426837
cis-1,2-Dichloroethene	7.18		0.500	1	02/13/2020 23:44	WG1426837
trans-1,2-Dichloroethene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2-Dichloropropane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1-Dichloropropene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,3-Dichloropropane	ND		1.00	1	02/13/2020 23:44	WG1426837
cis-1,3-Dichloropropene	ND		0.500	1	02/13/2020 23:44	WG1426837
trans-1,3-Dichloropropene	ND		0.500	1	02/13/2020 23:44	WG1426837
2,2-Dichloropropane	ND		0.500	1	02/13/2020 23:44	WG1426837
Di-isopropyl ether	ND		0.500	1	02/13/2020 23:44	WG1426837
Ethylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Hexachloro-1,3-butadiene	ND		1.00	1	02/13/2020 23:44	WG1426837
Isopropylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
p-Isopropyltoluene	ND		0.500	1	02/13/2020 23:44	WG1426837
2-Butanone (MEK)	ND		5.00	1	02/13/2020 23:44	WG1426837
Methylene Chloride	ND		2.50	1	02/13/2020 23:44	WG1426837
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/13/2020 23:44	WG1426837
Methyl tert-butyl ether	ND		0.500	1	02/13/2020 23:44	WG1426837
Naphthalene	ND		2.50	1	02/13/2020 23:44	WG1426837
n-Propylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Styrene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
Tetrachloroethene	2.33		0.500	1	02/13/2020 23:44	WG1426837
Toluene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2,3-Trichlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 12:20

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1,1-Trichloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
1,1,2-Trichloroethane	ND		0.500	1	02/13/2020 23:44	WG1426837
Trichloroethene	42.5		0.500	1	02/13/2020 23:44	WG1426837
Trichlorofluoromethane	ND		2.50	1	02/13/2020 23:44	WG1426837
1,2,3-Trichloropropane	ND	J3	2.50	1	02/13/2020 23:44	WG1426837
1,2,4-Trimethylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,2,3-Trimethylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
1,3,5-Trimethylbenzene	ND		0.500	1	02/13/2020 23:44	WG1426837
Vinyl chloride	ND		0.500	1	02/13/2020 23:44	WG1426837
Xylenes, Total	ND		1.50	1	02/13/2020 23:44	WG1426837
(S) Toluene-d8	89.8		80.0-120		02/13/2020 23:44	WG1426837
(S) 4-Bromofluorobenzene	88.4		77.0-126		02/13/2020 23:44	WG1426837
(S) 1,2-Dichloroethane-d4	99.2		70.0-130		02/13/2020 23:44	WG1426837

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	28.7		25.0	1	02/10/2020 04:18	WG1425103
Acrolein	ND		50.0	1	02/10/2020 04:18	WG1425103
Acrylonitrile	ND		5.00	1	02/10/2020 04:18	WG1425103
Benzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Bromobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Bromodichloromethane	ND		0.500	1	02/10/2020 04:18	WG1425103
Bromoform	ND		0.500	1	02/10/2020 04:18	WG1425103
Bromomethane	ND		2.50	1	02/10/2020 04:18	WG1425103
n-Butylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
sec-Butylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
tert-Butylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Carbon disulfide	ND		0.500	1	02/10/2020 04:18	WG1425103
Carbon tetrachloride	ND		0.500	1	02/10/2020 04:18	WG1425103
Chlorobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Chlorodibromomethane	ND		0.500	1	02/10/2020 04:18	WG1425103
Chloroethane	ND		2.50	1	02/10/2020 04:18	WG1425103
Chloroform	ND		0.500	1	02/10/2020 04:18	WG1425103
Chloromethane	ND		1.25	1	02/10/2020 04:18	WG1425103
2-Chlorotoluene	ND		0.500	1	02/10/2020 04:18	WG1425103
4-Chlorotoluene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 04:18	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/10/2020 04:18	WG1425103
Dibromomethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Dichlorodifluoromethane	ND	JO	2.50	1	02/10/2020 04:18	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/10/2020 04:18	WG1425103
cis-1,2-Dichloroethene	1.49		0.500	1	02/10/2020 04:18	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/10/2020 04:18	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:18	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:18	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/10/2020 04:18	WG1425103
Di-isopropyl ether	ND		0.500	1	02/10/2020 04:18	WG1425103
Ethylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 04:18	WG1425103
Isopropylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/10/2020 04:18	WG1425103
2-Butanone (MEK)	ND		5.00	1	02/10/2020 04:18	WG1425103
Methylene Chloride	ND		2.50	1	02/10/2020 04:18	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 04:18	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 04:18	WG1425103
Naphthalene	ND		2.50	1	02/10/2020 04:18	WG1425103
n-Propylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Styrene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
Tetrachloroethene	ND		0.500	1	02/10/2020 04:18	WG1425103
Toluene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2,3-Trichlorobenzene	ND	JO	0.500	1	02/10/2020 04:18	WG1425103

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 12:40

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 04:18	WG1425103
Trichloroethene	2.67		0.500	1	02/10/2020 04:18	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/10/2020 04:18	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 04:18	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 04:18	WG1425103
Vinyl chloride	ND		0.500	1	02/10/2020 04:18	WG1425103
Xylenes, Total	ND		1.50	1	02/10/2020 04:18	WG1425103
(S) Toluene-d8	95.1		80.0-120		02/10/2020 04:18	WG1425103
(S) 4-Bromofluorobenzene	104		77.0-126		02/10/2020 04:18	WG1425103
(S) 1,2-Dichloroethane-d4	97.2		70.0-130		02/10/2020 04:18	WG1425103

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/10/2020 04:37	WG1425103
Acrolein	ND		50.0	1	02/10/2020 04:37	WG1425103
Acrylonitrile	ND		5.00	1	02/10/2020 04:37	WG1425103
Benzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Bromobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Bromodichloromethane	ND		0.500	1	02/10/2020 04:37	WG1425103
Bromoform	ND		0.500	1	02/10/2020 04:37	WG1425103
Bromomethane	ND		2.50	1	02/10/2020 04:37	WG1425103
n-Butylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
sec-Butylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
tert-Butylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Carbon disulfide	ND		0.500	1	02/10/2020 04:37	WG1425103
Carbon tetrachloride	ND		0.500	1	02/10/2020 04:37	WG1425103
Chlorobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Chlorodibromomethane	ND		0.500	1	02/10/2020 04:37	WG1425103
Chloroethane	ND		2.50	1	02/10/2020 04:37	WG1425103
Chloroform	ND		0.500	1	02/10/2020 04:37	WG1425103
Chloromethane	ND		1.25	1	02/10/2020 04:37	WG1425103
2-Chlorotoluene	ND		0.500	1	02/10/2020 04:37	WG1425103
4-Chlorotoluene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 04:37	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/10/2020 04:37	WG1425103
Dibromomethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Dichlorodifluoromethane	ND	JO	2.50	1	02/10/2020 04:37	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/10/2020 04:37	WG1425103
cis-1,2-Dichloroethene	2.58		0.500	1	02/10/2020 04:37	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/10/2020 04:37	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:37	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:37	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/10/2020 04:37	WG1425103
Di-isopropyl ether	ND		0.500	1	02/10/2020 04:37	WG1425103
Ethylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 04:37	WG1425103
Isopropylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/10/2020 04:37	WG1425103
2-Butanone (MEK)	ND		5.00	1	02/10/2020 04:37	WG1425103
Methylene Chloride	ND		2.50	1	02/10/2020 04:37	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 04:37	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 04:37	WG1425103
Naphthalene	ND		2.50	1	02/10/2020 04:37	WG1425103
n-Propylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Styrene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
Tetrachloroethene	ND		0.500	1	02/10/2020 04:37	WG1425103
Toluene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2,3-Trichlorobenzene	ND	JO	0.500	1	02/10/2020 04:37	WG1425103

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 13:10

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 04:37	WG1425103
Trichloroethene	7.14		0.500	1	02/10/2020 04:37	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/10/2020 04:37	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 04:37	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 04:37	WG1425103
Vinyl chloride	ND		0.500	1	02/10/2020 04:37	WG1425103
Xylenes, Total	ND		1.50	1	02/10/2020 04:37	WG1425103
(S) Toluene-d8	99.7		80.0-120		02/10/2020 04:37	WG1425103
(S) 4-Bromofluorobenzene	102		77.0-126		02/10/2020 04:37	WG1425103
(S) 1,2-Dichloroethane-d4	94.1		70.0-130		02/10/2020 04:37	WG1425103

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	177		125	5	02/14/2020 00:04	WG1426837
Acrolein	ND		50.0	1	02/10/2020 04:56	WG1425103
Acrylonitrile	ND		5.00	1	02/10/2020 04:56	WG1425103
Benzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Bromobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Bromodichloromethane	ND		0.500	1	02/10/2020 04:56	WG1425103
Bromoform	ND		0.500	1	02/10/2020 04:56	WG1425103
Bromomethane	ND		2.50	1	02/10/2020 04:56	WG1425103
n-Butylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
sec-Butylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
tert-Butylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Carbon disulfide	ND		0.500	1	02/10/2020 04:56	WG1425103
Carbon tetrachloride	ND		0.500	1	02/10/2020 04:56	WG1425103
Chlorobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Chlorodibromomethane	ND		0.500	1	02/10/2020 04:56	WG1425103
Chloroethane	ND		2.50	1	02/10/2020 04:56	WG1425103
Chloroform	ND		0.500	1	02/10/2020 04:56	WG1425103
Chloromethane	ND		1.25	1	02/10/2020 04:56	WG1425103
2-Chlorotoluene	ND		0.500	1	02/10/2020 04:56	WG1425103
4-Chlorotoluene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/10/2020 04:56	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/10/2020 04:56	WG1425103
Dibromomethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Dichlorodifluoromethane	ND	JO	2.50	1	02/10/2020 04:56	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/10/2020 04:56	WG1425103
cis-1,2-Dichloroethene	ND		0.500	1	02/10/2020 04:56	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/10/2020 04:56	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:56	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/10/2020 04:56	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/10/2020 04:56	WG1425103
Di-isopropyl ether	ND		0.500	1	02/10/2020 04:56	WG1425103
Ethylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/10/2020 04:56	WG1425103
Isopropylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/10/2020 04:56	WG1425103
2-Butanone (MEK)	8.48	B	5.00	1	02/10/2020 04:56	WG1425103
Methylene Chloride	ND		2.50	1	02/10/2020 04:56	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/10/2020 04:56	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/10/2020 04:56	WG1425103
Naphthalene	ND		2.50	1	02/10/2020 04:56	WG1425103
n-Propylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Styrene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
Tetrachloroethene	ND		0.500	1	02/10/2020 04:56	WG1425103
Toluene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2,3-Trichlorobenzene	ND	JO	0.500	1	02/10/2020 04:56	WG1425103

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/20 11:25

L1187224

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/10/2020 04:56	WG1425103
Trichloroethene	ND		0.500	1	02/10/2020 04:56	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/10/2020 04:56	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/10/2020 04:56	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/10/2020 04:56	WG1425103
Vinyl chloride	ND		0.500	1	02/10/2020 04:56	WG1425103
Xylenes, Total	ND		1.50	1	02/10/2020 04:56	WG1425103
(S) Toluene-d8	95.1		80.0-120		02/10/2020 04:56	WG1425103
(S) Toluene-d8	90.4		80.0-120		02/14/2020 00:04	WG1426837
(S) 4-Bromofluorobenzene	105		77.0-126		02/10/2020 04:56	WG1425103
(S) 4-Bromofluorobenzene	89.2		77.0-126		02/14/2020 00:04	WG1426837
(S) 1,2-Dichloroethane-d4	98.8		70.0-130		02/10/2020 04:56	WG1425103
(S) 1,2-Dichloroethane-d4	98.9		70.0-130		02/14/2020 00:04	WG1426837

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	02/09/2020 23:46	WG1425103
Acrolein	ND		50.0	1	02/09/2020 23:46	WG1425103
Acrylonitrile	ND		5.00	1	02/09/2020 23:46	WG1425103
Benzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Bromobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Bromodichloromethane	ND		0.500	1	02/09/2020 23:46	WG1425103
Bromoform	ND		0.500	1	02/09/2020 23:46	WG1425103
Bromomethane	ND		2.50	1	02/09/2020 23:46	WG1425103
n-Butylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
sec-Butylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
tert-Butylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Carbon disulfide	ND		0.500	1	02/09/2020 23:46	WG1425103
Carbon tetrachloride	ND		0.500	1	02/09/2020 23:46	WG1425103
Chlorobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Chlorodibromomethane	ND		0.500	1	02/09/2020 23:46	WG1425103
Chloroethane	ND		2.50	1	02/09/2020 23:46	WG1425103
Chloroform	ND		0.500	1	02/09/2020 23:46	WG1425103
Chloromethane	ND		1.25	1	02/09/2020 23:46	WG1425103
2-Chlorotoluene	ND		0.500	1	02/09/2020 23:46	WG1425103
4-Chlorotoluene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/09/2020 23:46	WG1425103
1,2-Dibromoethane	ND		0.500	1	02/09/2020 23:46	WG1425103
Dibromomethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2-Dichlorobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,3-Dichlorobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,4-Dichlorobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Dichlorodifluoromethane	ND	JO	2.50	1	02/09/2020 23:46	WG1425103
1,1-Dichloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2-Dichloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1-Dichloroethene	ND		0.500	1	02/09/2020 23:46	WG1425103
cis-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:46	WG1425103
trans-1,2-Dichloroethene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2-Dichloropropane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1-Dichloropropene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,3-Dichloropropane	ND		1.00	1	02/09/2020 23:46	WG1425103
cis-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:46	WG1425103
trans-1,3-Dichloropropene	ND		0.500	1	02/09/2020 23:46	WG1425103
2,2-Dichloropropane	ND		0.500	1	02/09/2020 23:46	WG1425103
Di-isopropyl ether	ND		0.500	1	02/09/2020 23:46	WG1425103
Ethylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Hexachloro-1,3-butadiene	ND		1.00	1	02/09/2020 23:46	WG1425103
Isopropylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
p-Isopropyltoluene	ND		0.500	1	02/09/2020 23:46	WG1425103
2-Butanone (MEK)	ND		5.00	1	02/09/2020 23:46	WG1425103
Methylene Chloride	ND		2.50	1	02/09/2020 23:46	WG1425103
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/09/2020 23:46	WG1425103
Methyl tert-butyl ether	ND		0.500	1	02/09/2020 23:46	WG1425103
Naphthalene	ND		2.50	1	02/09/2020 23:46	WG1425103
n-Propylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Styrene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
Tetrachloroethene	ND		0.500	1	02/09/2020 23:46	WG1425103
Toluene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2,3-Trichlorobenzene	ND	JO	0.500	1	02/09/2020 23:46	WG1425103

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 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1,1-Trichloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
1,1,2-Trichloroethane	ND		0.500	1	02/09/2020 23:46	WG1425103
Trichloroethene	ND		0.500	1	02/09/2020 23:46	WG1425103
Trichlorofluoromethane	ND		2.50	1	02/09/2020 23:46	WG1425103
1,2,3-Trichloropropane	ND		2.50	1	02/09/2020 23:46	WG1425103
1,2,4-Trimethylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,2,3-Trimethylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
1,3,5-Trimethylbenzene	ND		0.500	1	02/09/2020 23:46	WG1425103
Vinyl chloride	ND		0.500	1	02/09/2020 23:46	WG1425103
Xylenes, Total	ND		1.50	1	02/09/2020 23:46	WG1425103
(S) Toluene-d8	95.9		80.0-120		02/09/2020 23:46	WG1425103
(S) 4-Bromofluorobenzene	103		77.0-126		02/09/2020 23:46	WG1425103
(S) 1,2-Dichloroethane-d4	99.2		70.0-130		02/09/2020 23:46	WG1425103

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Method Blank (MB)

(MB) R3499224-2 02/09/20 20:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrolein	U		3.97	50.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3499224-2 02/09/20 20:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.184	J JO	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	89.7			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)

(LCS) R3499224-1 02/09/20 19:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	38.3	153	19.0-160	
Acrolein	25.0	38.1	152	10.0-160	
Acrylonitrile	25.0	40.5	162	55.0-149	J4



Laboratory Control Sample (LCS)

(LCS) R3499224-1 02/09/20 19:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	4.54	90.8	70.0-123	
Bromobenzene	5.00	4.38	87.6	73.0-121	
Bromodichloromethane	5.00	5.41	108	75.0-120	
Bromoform	5.00	4.68	93.6	68.0-132	
Bromomethane	5.00	4.58	91.6	10.0-160	
n-Butylbenzene	5.00	5.12	102	73.0-125	
sec-Butylbenzene	5.00	4.79	95.8	75.0-125	
tert-Butylbenzene	5.00	4.49	89.8	76.0-124	
Carbon disulfide	5.00	4.59	91.8	61.0-128	
Carbon tetrachloride	5.00	5.44	109	68.0-126	
Chlorobenzene	5.00	4.47	89.4	80.0-121	
Chlorodibromomethane	5.00	4.83	96.6	77.0-125	
Chloroethane	5.00	3.97	79.4	47.0-150	
Chloroform	5.00	4.17	83.4	73.0-120	
Chloromethane	5.00	4.98	99.6	41.0-142	
2-Chlorotoluene	5.00	4.72	94.4	76.0-123	
4-Chlorotoluene	5.00	4.89	97.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.31	86.2	58.0-134	JO
1,2-Dibromoethane	5.00	4.64	92.8	80.0-122	
Dibromomethane	5.00	5.20	104	80.0-120	
1,2-Dichlorobenzene	5.00	5.37	107	79.0-121	
1,3-Dichlorobenzene	5.00	4.91	98.2	79.0-120	
1,4-Dichlorobenzene	5.00	4.74	94.8	79.0-120	
Dichlorodifluoromethane	5.00	4.18	83.6	51.0-149	
1,1-Dichloroethane	5.00	4.77	95.4	70.0-126	
1,2-Dichloroethane	5.00	4.83	96.6	70.0-128	
1,1-Dichloroethene	5.00	5.19	104	71.0-124	
cis-1,2-Dichloroethene	5.00	4.54	90.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.35	87.0	73.0-120	
1,2-Dichloropropane	5.00	4.61	92.2	77.0-125	
1,1-Dichloropropene	5.00	4.23	84.6	74.0-126	
1,3-Dichloropropane	5.00	4.95	99.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.92	98.4	80.0-123	
trans-1,3-Dichloropropene	5.00	5.64	113	78.0-124	
2,2-Dichloropropane	5.00	4.37	87.4	58.0-130	
Di-isopropyl ether	5.00	5.44	109	58.0-138	
Ethylbenzene	5.00	4.38	87.6	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.50	90.0	54.0-138	
Isopropylbenzene	5.00	4.39	87.8	76.0-127	
p-Isopropyltoluene	5.00	4.74	94.8	76.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3499224-1 02/09/20 19:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	34.7	139	44.0-160	
Methylene Chloride	5.00	4.24	84.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	31.9	128	68.0-142	
Methyl tert-butyl ether	5.00	5.45	109	68.0-125	
Naphthalene	5.00	4.56	91.2	54.0-135	<u>JO</u>
n-Propylbenzene	5.00	4.89	97.8	77.0-124	
Styrene	5.00	4.60	92.0	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.55	91.0	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.56	91.2	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.92	98.4	69.0-132	
Tetrachloroethene	5.00	4.03	80.6	72.0-132	
Toluene	5.00	4.95	99.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.88	97.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.05	101	57.0-137	
1,1,1-Trichloroethane	5.00	5.29	106	73.0-124	
1,1,2-Trichloroethane	5.00	4.53	90.6	80.0-120	
Trichloroethene	5.00	4.92	98.4	78.0-124	
Trichlorofluoromethane	5.00	5.16	103	59.0-147	
1,2,3-Trichloropropane	5.00	5.02	100	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.85	97.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.61	92.2	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.93	98.6	76.0-122	
Vinyl chloride	5.00	5.08	102	67.0-131	
Xylenes, Total	15.0	13.4	89.3	79.0-123	
(S) Toluene-d8			98.4	80.0-120	
(S) 4-Bromofluorobenzene			92.1	77.0-126	
(S) 1,2-Dichloroethane-d4			115	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3499254-3 02/09/20 22:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrolein	U		3.97	50.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3499254-3 02/09/20 22:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	1.46	U	1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	92.9			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3499254-1 02/09/20 21:31 • (LCSD) R3499254-2 02/09/20 21:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	36.9	30.1	148	120	19.0-160			20.3	27
Acrolein	25.0	38.1	33.2	152	133	10.0-160			13.7	26
Acrylonitrile	25.0	32.7	27.4	131	110	55.0-149			17.6	20



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

(LCS) R3499254-1 02/09/20 21:31 • (LCSD) R3499254-2 02/09/20 21:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.26	5.35	105	107	70.0-123			1.70	20
Bromobenzene	5.00	4.79	4.90	95.8	98.0	73.0-121			2.27	20
Bromodichloromethane	5.00	4.83	4.91	96.6	98.2	75.0-120			1.64	20
Bromoform	5.00	4.82	4.62	96.4	92.4	68.0-132			4.24	20
Bromomethane	5.00	4.03	3.89	80.6	77.8	10.0-160			3.54	25
n-Butylbenzene	5.00	5.20	5.32	104	106	73.0-125			2.28	20
sec-Butylbenzene	5.00	4.97	5.07	99.4	101	75.0-125			1.99	20
tert-Butylbenzene	5.00	4.95	5.00	99.0	100	76.0-124			1.01	20
Carbon disulfide	5.00	4.44	4.27	88.8	85.4	61.0-128			3.90	20
Carbon tetrachloride	5.00	4.78	4.89	95.6	97.8	68.0-126			2.28	20
Chlorobenzene	5.00	5.07	5.09	101	102	80.0-121			0.394	20
Chlorodibromomethane	5.00	4.51	4.60	90.2	92.0	77.0-125			1.98	20
Chloroethane	5.00	3.50	3.45	70.0	69.0	47.0-150			1.44	20
Chloroform	5.00	4.91	4.73	98.2	94.6	73.0-120			3.73	20
Chloromethane	5.00	4.32	4.11	86.4	82.2	41.0-142			4.98	20
2-Chlorotoluene	5.00	4.88	4.97	97.6	99.4	76.0-123			1.83	20
4-Chlorotoluene	5.00	5.02	5.19	100	104	75.0-122			3.33	20
1,2-Dibromo-3-Chloropropane	5.00	4.20	4.02	84.0	80.4	58.0-134			4.38	20
1,2-Dibromoethane	5.00	5.06	5.13	101	103	80.0-122			1.37	20
Dibromomethane	5.00	5.26	5.05	105	101	80.0-120			4.07	20
1,2-Dichlorobenzene	5.00	4.98	4.94	99.6	98.8	79.0-121			0.806	20
1,3-Dichlorobenzene	5.00	5.31	5.37	106	107	79.0-120			1.12	20
1,4-Dichlorobenzene	5.00	4.90	4.94	98.0	98.8	79.0-120			0.813	20
Dichlorodifluoromethane	5.00	3.72	3.83	74.4	76.6	51.0-149			2.91	20
1,1-Dichloroethane	5.00	4.42	4.31	88.4	86.2	70.0-126			2.52	20
1,2-Dichloroethane	5.00	4.87	4.79	97.4	95.8	70.0-128			1.66	20
1,1-Dichloroethene	5.00	4.54	4.44	90.8	88.8	71.0-124			2.23	20
cis-1,2-Dichloroethene	5.00	4.22	4.14	84.4	82.8	73.0-120			1.91	20
trans-1,2-Dichloroethene	5.00	4.99	4.72	99.8	94.4	73.0-120			5.56	20
1,2-Dichloropropane	5.00	4.82	4.94	96.4	98.8	77.0-125			2.46	20
1,1-Dichloropropene	5.00	4.70	4.61	94.0	92.2	74.0-126			1.93	20
1,3-Dichloropropane	5.00	4.34	4.47	86.8	89.4	80.0-120			2.95	20
cis-1,3-Dichloropropene	5.00	4.56	4.73	91.2	94.6	80.0-123			3.66	20
trans-1,3-Dichloropropene	5.00	4.95	5.16	99.0	103	78.0-124			4.15	20
2,2-Dichloropropane	5.00	4.52	4.41	90.4	88.2	58.0-130			2.46	20
Di-isopropyl ether	5.00	4.55	4.36	91.0	87.2	58.0-138			4.26	20
Ethylbenzene	5.00	5.02	4.80	100	96.0	79.0-123			4.48	20
Hexachloro-1,3-butadiene	5.00	5.29	5.36	106	107	54.0-138			1.31	20
Isopropylbenzene	5.00	5.05	4.97	101	99.4	76.0-127			1.60	20
p-Isopropyltoluene	5.00	5.43	5.60	109	112	76.0-125			3.08	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



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

(LCS) R3499254-1 02/09/20 21:31 • (LCSD) R3499254-2 02/09/20 21:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	21.0	20.6	84.0	82.4	44.0-160			1.92	20
Methylene Chloride	5.00	4.83	4.64	96.6	92.8	67.0-120			4.01	20
4-Methyl-2-pentanone (MIBK)	25.0	25.0	25.3	100	101	68.0-142			1.19	20
Methyl tert-butyl ether	5.00	5.62	5.29	112	106	68.0-125			6.05	20
Naphthalene	5.00	4.20	3.95	84.0	79.0	54.0-135			6.13	20
n-Propylbenzene	5.00	4.78	4.94	95.6	98.8	77.0-124			3.29	20
Styrene	5.00	4.72	4.78	94.4	95.6	73.0-130			1.26	20
1,1,1,2-Tetrachloroethane	5.00	4.98	4.81	99.6	96.2	75.0-125			3.47	20
1,1,2,2-Tetrachloroethane	5.00	4.41	4.48	88.2	89.6	65.0-130			1.57	20
1,1,2-Trichlorotrifluoroethane	5.00	5.26	5.25	105	105	69.0-132			0.190	20
Tetrachloroethene	5.00	4.67	5.00	93.4	100	72.0-132			6.83	20
Toluene	5.00	4.28	4.38	85.6	87.6	79.0-120			2.31	20
1,2,3-Trichlorobenzene	5.00	3.75	3.47	75.0	69.4	50.0-138			7.76	20
1,2,4-Trichlorobenzene	5.00	4.84	4.79	96.8	95.8	57.0-137			1.04	20
1,1,1-Trichloroethane	5.00	4.87	4.73	97.4	94.6	73.0-124			2.92	20
1,1,2-Trichloroethane	5.00	4.52	4.59	90.4	91.8	80.0-120			1.54	20
Trichloroethene	5.00	5.07	5.18	101	104	78.0-124			2.15	20
Trichlorofluoromethane	5.00	4.01	3.71	80.2	74.2	59.0-147			7.77	20
1,2,3-Trichloropropane	5.00	4.29	4.28	85.8	85.6	73.0-130			0.233	20
1,2,4-Trimethylbenzene	5.00	4.83	5.06	96.6	101	76.0-121			4.65	20
1,2,3-Trimethylbenzene	5.00	4.28	4.31	85.6	86.2	77.0-120			0.698	20
1,3,5-Trimethylbenzene	5.00	4.85	4.98	97.0	99.6	76.0-122			2.64	20
Vinyl chloride	5.00	4.31	3.94	86.2	78.8	67.0-131			8.97	20
Xylenes, Total	15.0	15.0	15.3	100	102	79.0-123			1.98	20
(S) Toluene-d8				94.1	95.6	80.0-120				
(S) 4-Bromofluorobenzene				105	101	77.0-126				
(S) 1,2-Dichloroethane-d4				97.4	94.8	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3498926-2 02/10/20 20:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrolein	U		3.97	50.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

[L1187224-15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3498926-2 02/10/20 20:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	99.4			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			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) R3498926-1 02/10/20 19:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	31.2	125	19.0-160	
Acrolein	25.0	18.2	72.8	10.0-160	
Acrylonitrile	25.0	23.0	92.0	55.0-149	



Laboratory Control Sample (LCS)

(LCS) R3498926-1 02/10/20 19:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	5.12	102	70.0-123	
Bromobenzene	5.00	4.48	89.6	73.0-121	
Bromodichloromethane	5.00	4.89	97.8	75.0-120	
Bromoform	5.00	4.60	92.0	68.0-132	
Bromomethane	5.00	5.68	114	10.0-160	
n-Butylbenzene	5.00	4.69	93.8	73.0-125	
sec-Butylbenzene	5.00	4.78	95.6	75.0-125	
tert-Butylbenzene	5.00	4.73	94.6	76.0-124	
Carbon disulfide	5.00	5.01	100	61.0-128	
Carbon tetrachloride	5.00	5.20	104	68.0-126	
Chlorobenzene	5.00	5.26	105	80.0-121	
Chlorodibromomethane	5.00	4.90	98.0	77.0-125	
Chloroethane	5.00	5.06	101	47.0-150	
Chloroform	5.00	5.64	113	73.0-120	
Chloromethane	5.00	1.74	34.8	41.0-142	J4
2-Chlorotoluene	5.00	4.93	98.6	76.0-123	
4-Chlorotoluene	5.00	4.64	92.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.27	85.4	58.0-134	
1,2-Dibromoethane	5.00	5.04	101	80.0-122	
Dibromomethane	5.00	5.07	101	80.0-120	
1,2-Dichlorobenzene	5.00	5.26	105	79.0-121	
1,3-Dichlorobenzene	5.00	5.15	103	79.0-120	
1,4-Dichlorobenzene	5.00	4.93	98.6	79.0-120	
Dichlorodifluoromethane	5.00	4.75	95.0	51.0-149	
1,1-Dichloroethane	5.00	5.09	102	70.0-126	
1,2-Dichloroethane	5.00	4.69	93.8	70.0-128	
1,1-Dichloroethene	5.00	5.53	111	71.0-124	
cis-1,2-Dichloroethene	5.00	5.36	107	73.0-120	
trans-1,2-Dichloroethene	5.00	5.50	110	73.0-120	
1,2-Dichloropropane	5.00	4.83	96.6	77.0-125	
1,1-Dichloropropene	5.00	5.26	105	74.0-126	
1,3-Dichloropropane	5.00	5.03	101	80.0-120	
cis-1,3-Dichloropropene	5.00	4.80	96.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.82	96.4	78.0-124	
2,2-Dichloropropane	5.00	4.97	99.4	58.0-130	
Di-isopropyl ether	5.00	4.10	82.0	58.0-138	
Ethylbenzene	5.00	5.11	102	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.48	89.6	54.0-138	
Isopropylbenzene	5.00	5.37	107	76.0-127	
p-Isopropyltoluene	5.00	4.71	94.2	76.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3498926-1 02/10/20 19:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	22.5	90.0	44.0-160	
Methylene Chloride	5.00	5.25	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	20.2	80.8	68.0-142	
Methyl tert-butyl ether	5.00	5.15	103	68.0-125	
Naphthalene	5.00	3.79	75.8	54.0-135	
n-Propylbenzene	5.00	4.79	95.8	77.0-124	
Styrene	5.00	5.05	101	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.23	105	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.46	89.2	65.0-130	
Tetrachloroethene	5.00	6.04	121	72.0-132	
Toluene	5.00	5.22	104	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.31	106	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.01	80.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.23	84.6	57.0-137	
1,1,1-Trichloroethane	5.00	5.30	106	73.0-124	
1,1,2-Trichloroethane	5.00	4.95	99.0	80.0-120	
Trichloroethene	5.00	5.65	113	78.0-124	
Trichlorofluoromethane	5.00	4.98	99.6	59.0-147	
1,2,3-Trichloropropane	5.00	4.67	93.4	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.77	95.4	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.70	94.0	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.86	97.2	76.0-122	
Vinyl chloride	5.00	4.88	97.6	67.0-131	
Xylenes, Total	15.0	15.9	106	79.0-123	
(S) Toluene-d8			102	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			99.2	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) R3499781-4 02/13/20 17:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Acetone	1.23	U	1.05	25.0
Acrolein	U		3.97	50.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	1.02	U	0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3499781-4 02/13/20 17:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	89.3			80.0-120
(S) 4-Bromofluorobenzene	85.5			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

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

(LCS) R3499781-1 02/13/20 15:12 • (LCSD) R3499781-2 02/13/20 15:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	27.9	26.5	112	106	19.0-160			5.15	27
Acrolein	25.0	23.4	21.9	93.6	87.6	10.0-160			6.62	26
Acrylonitrile	25.0	28.8	28.9	115	116	55.0-149			0.347	20



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

(LCS) R3499781-1 02/13/20 15:12 • (LCSD) R3499781-2 02/13/20 15:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.79	4.95	95.8	99.0	70.0-123			3.29	20
Bromobenzene	5.00	5.16	4.82	103	96.4	73.0-121			6.81	20
Bromodichloromethane	5.00	4.68	4.68	93.6	93.6	75.0-120			0.000	20
Bromoform	5.00	4.18	3.88	83.6	77.6	68.0-132			7.44	20
Bromomethane	5.00	6.26	6.65	125	133	10.0-160			6.04	25
n-Butylbenzene	5.00	4.95	4.86	99.0	97.2	73.0-125			1.83	20
sec-Butylbenzene	5.00	4.89	4.73	97.8	94.6	75.0-125			3.33	20
tert-Butylbenzene	5.00	5.32	4.94	106	98.8	76.0-124			7.41	20
Carbon disulfide	5.00	4.85	5.05	97.0	101	61.0-128			4.04	20
Carbon tetrachloride	5.00	4.33	4.42	86.6	88.4	68.0-126			2.06	20
Chlorobenzene	5.00	4.77	4.52	95.4	90.4	80.0-121			5.38	20
Chlorodibromomethane	5.00	4.07	4.25	81.4	85.0	77.0-125			4.33	20
Chloroethane	5.00	5.46	5.34	109	107	47.0-150			2.22	20
Chloroform	5.00	5.25	5.17	105	103	73.0-120			1.54	20
Chloromethane	5.00	5.51	5.50	110	110	41.0-142			0.182	20
2-Chlorotoluene	5.00	5.53	5.25	111	105	76.0-123			5.19	20
4-Chlorotoluene	5.00	5.43	5.16	109	103	75.0-122			5.10	20
1,2-Dibromo-3-Chloropropane	5.00	4.18	4.06	83.6	81.2	58.0-134			2.91	20
1,2-Dibromoethane	5.00	4.73	4.57	94.6	91.4	80.0-122			3.44	20
Dibromomethane	5.00	4.78	4.78	95.6	95.6	80.0-120			0.000	20
1,2-Dichlorobenzene	5.00	4.97	4.64	99.4	92.8	79.0-121			6.87	20
1,3-Dichlorobenzene	5.00	5.08	4.92	102	98.4	79.0-120			3.20	20
1,4-Dichlorobenzene	5.00	4.52	4.14	90.4	82.8	79.0-120			8.78	20
Dichlorodifluoromethane	5.00	4.45	4.47	89.0	89.4	51.0-149			0.448	20
1,1-Dichloroethane	5.00	5.42	5.54	108	111	70.0-126			2.19	20
1,2-Dichloroethane	5.00	5.26	5.53	105	111	70.0-128			5.00	20
1,1-Dichloroethene	5.00	5.42	5.50	108	110	71.0-124			1.47	20
cis-1,2-Dichloroethene	5.00	4.67	4.85	93.4	97.0	73.0-120			3.78	20
trans-1,2-Dichloroethene	5.00	4.68	4.62	93.6	92.4	73.0-120			1.29	20
1,2-Dichloropropane	5.00	5.23	5.25	105	105	77.0-125			0.382	20
1,1-Dichloropropene	5.00	4.87	5.01	97.4	100	74.0-126			2.83	20
1,3-Dichloropropane	5.00	4.90	4.92	98.0	98.4	80.0-120			0.407	20
cis-1,3-Dichloropropene	5.00	4.55	4.54	91.0	90.8	80.0-123			0.220	20
trans-1,3-Dichloropropene	5.00	4.18	4.37	83.6	87.4	78.0-124			4.44	20
2,2-Dichloropropane	5.00	4.41	4.51	88.2	90.2	58.0-130			2.24	20
Di-isopropyl ether	5.00	5.73	5.89	115	118	58.0-138			2.75	20
Ethylbenzene	5.00	4.54	4.46	90.8	89.2	79.0-123			1.78	20
Hexachloro-1,3-butadiene	5.00	5.18	5.05	104	101	54.0-138			2.54	20
Isopropylbenzene	5.00	4.51	4.56	90.2	91.2	76.0-127			1.10	20
p-Isopropyltoluene	5.00	4.93	4.90	98.6	98.0	76.0-125			0.610	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



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

(LCS) R3499781-1 02/13/20 15:12 • (LCSD) R3499781-2 02/13/20 15:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	30.2	30.9	121	124	44.0-160			2.29	20
Methylene Chloride	5.00	4.92	4.77	98.4	95.4	67.0-120			3.10	20
4-Methyl-2-pentanone (MIBK)	25.0	30.2	29.0	121	116	68.0-142			4.05	20
Methyl tert-butyl ether	5.00	5.04	5.18	101	104	68.0-125			2.74	20
Naphthalene	5.00	4.35	4.29	87.0	85.8	54.0-135			1.39	20
n-Propylbenzene	5.00	5.27	5.05	105	101	77.0-124			4.26	20
Styrene	5.00	4.53	4.59	90.6	91.8	73.0-130			1.32	20
1,1,1,2-Tetrachloroethane	5.00	4.46	4.45	89.2	89.0	75.0-125			0.224	20
1,1,2,2-Tetrachloroethane	5.00	5.10	4.71	102	94.2	65.0-130			7.95	20
1,1,2-Trichlorotrifluoroethane	5.00	5.02	5.09	100	102	69.0-132			1.38	20
Tetrachloroethene	5.00	4.38	4.45	87.6	89.0	72.0-132			1.59	20
Toluene	5.00	4.83	4.86	96.6	97.2	79.0-120			0.619	20
1,2,3-Trichlorobenzene	5.00	4.83	4.83	96.6	96.6	50.0-138			0.000	20
1,2,4-Trichlorobenzene	5.00	4.74	4.70	94.8	94.0	57.0-137			0.847	20
1,1,1-Trichloroethane	5.00	5.01	4.83	100	96.6	73.0-124			3.66	20
1,1,2-Trichloroethane	5.00	4.62	4.44	92.4	88.8	80.0-120			3.97	20
Trichloroethene	5.00	5.06	5.16	101	103	78.0-124			1.96	20
Trichlorofluoromethane	5.00	5.93	5.97	119	119	59.0-147			0.672	20
1,2,3-Trichloropropane	5.00	5.93	4.63	119	92.6	73.0-130		J3	24.6	20
1,2,4-Trimethylbenzene	5.00	5.26	5.11	105	102	76.0-121			2.89	20
1,2,3-Trimethylbenzene	5.00	5.06	4.94	101	98.8	77.0-120			2.40	20
1,3,5-Trimethylbenzene	5.00	4.37	4.09	87.4	81.8	76.0-122			6.62	20
Vinyl chloride	5.00	4.57	4.69	91.4	93.8	67.0-131			2.59	20
Xylenes, Total	15.0	14.1	14.1	94.0	94.0	79.0-123			0.000	20
(S) Toluene-d8				87.9	88.3	80.0-120				
(S) 4-Bromofluorobenzene				84.0	89.3	77.0-126				
(S) 1,2-Dichloroethane-d4				98.8	97.1	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3499919-2 02/14/20 04:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Butanone (MEK)	U		1.28	5.00
(S) Toluene-d8	102			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

Laboratory Control Sample (LCS)

(LCS) R3499919-1 02/14/20 03:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	25.0	27.6	110	44.0-160	
(S) Toluene-d8			99.1	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	



Guide to Reading and Understanding Your Laboratory Report

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

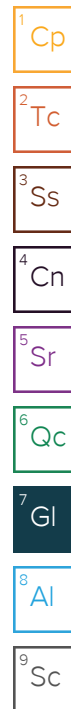
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

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

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
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

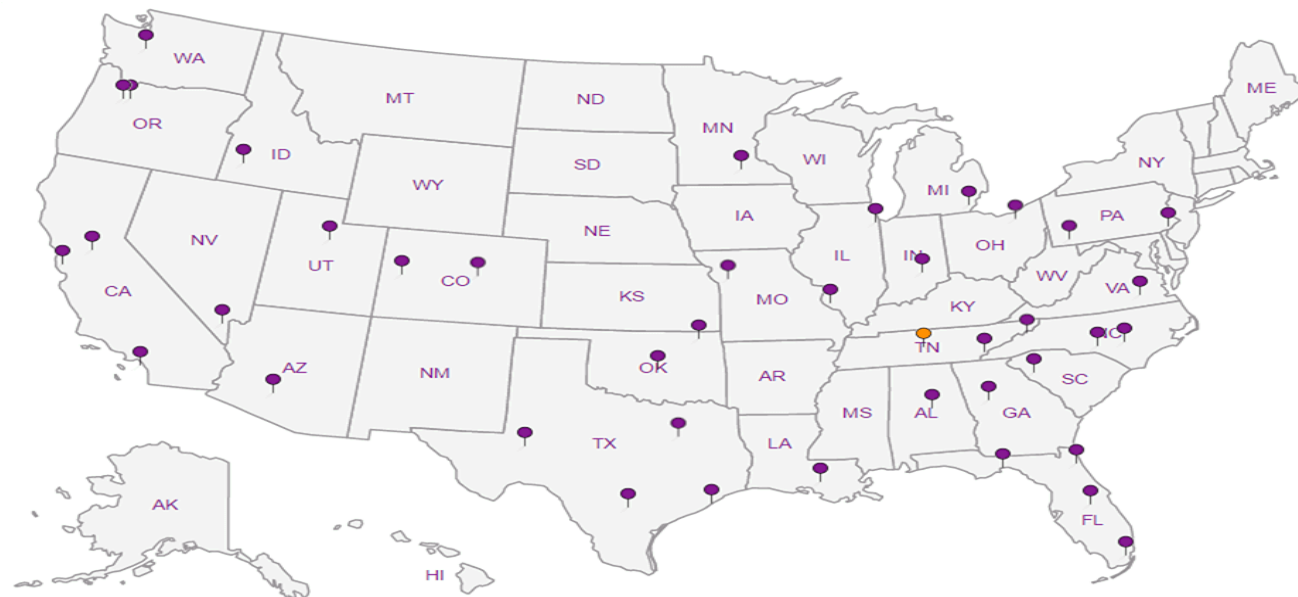
Third Party Federal Accreditations

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.



Geosyntec, Inc. - OR

920 SW Sixth Avenue
Suite 600
Portland, OR 97204

Report to:
Brian Webb

Project Description: **Cascade TSA**

Phone: 503-222-9518
Fax:

Collected by (print):
Pat Yarrow Mike Taylor

Collected by (signature):
Pat Yarrow

Immediately Packed on Ice N ☐ Y ☒

City/State Collected: **Fairview OR.**

Client Project #
PNG0564S19

Site/Facility ID #

Rush? (Lab MUST Be Notified)
☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Lab Project #
GEOSYNPOR-PNG0564S19

P.O. #

Quote #

Date Results Needed

Please Circle:
☒ PT ☐ MT ☐ CT ☐ ET

Billing Information:

Accounts Payable
920 SW Sixth Avenue
Suite 600
Portland, OR 97204

Email To: bwebb@Geosyntec.com

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page **1** of **3**



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **L1187224**

Tab **E069**

Acctnum: **GEOSYNPOR**

Template: **T162223**

Prelogin: **P752752**

PM: **110 - Brian Ford**

PB:

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
D17ds-020420		GW		2-4-20	13:25	3
D17dg-020420		GW		2-4-20	13:30	3
EW12-020420		GW		2-4-20	14:25	3
EW16-020420		GW		2-4-20	13:00	3
CMW10ds-020420		GW		2-4-20	16:00	3
CMW17ds-020420		GW		2-4-20	14:44	3
CMW17ds-020420-DUP		GW		2-4-20	14:45	3
CMW18ds-020420		GW		2-4-20	15:45	3
CMW18ds-020420-DUP		GW		2-4-20	15:46	2
CMW19ds-020420		GW		2-4-20	16:32	3

V8260 40mlAmb-HCl

-01
02
03
04
05
06
07
08
09
10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

1382 4815 1272

Relinquished by: (Signature)

Pat E Yarrow

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:
2-5-20

Time:
15:30

Received by: (Signature)

Fed EX

Received by: (Signature)

Received for lab by: (Signature)

Trip Blank Received: Yes / No
☒ Yes ☐ No
HCL / MeOH
TBR

Temp: **44°C** Bottles Received: **77**

Date: **2/7/20** Time: **9:45**

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

Hold:

Condition:
NCF / ☒ OK

Geosyntec, Inc. - OR

920 SW Sixth Avenue
Suite 600
Portland OR 97204

Report to:
Brian Webb

Billing Information:

Accounts Payable
920 SW Sixth Avenue
Suite 600
Portland, OR 97204

Email To: bwebb@Geosyntec.com

Project Description: Cascadia TSA

City/State Collected: Fairview OR.

Please Circle:
PT MT CT ET
PT

Phone: 503-222-9518
Fax:

Client Project #
PNG0564S19

Lab Project #
GEOSYNPOR-PNG0564S19

Collected by (print):
PAT YADON MIKE TAYLOR

Collected by (signature):
Patricia Yadon

Immediately
Packed on Ice N Y X

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
CMW20ds-020420		GW		2-4-20	15:22	3
CMW24dg-020420		GW		2-4-20	12:52	3
CMW25dg-020420		GW		2-4-20	12:25	3
EW1-020520		GW		2-5-20	10:05	3
EW2-020520		GW		2-5-20	9:30	3
EW14-020520		GW		2-5-20	9:42	3
EW23-020520		GW		2-5-20	9:50	3
CMW14Rds-020520		GW		2-5-20	8:20	3
VMWA-020520		GW		2-5-20	10:30	3
VMWB-020520		GW		2-5-20	10:44	3

* 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 # 1382 4815 1272

Relinquished by: (Signature)
Patricia E. Yadon

Date: 2-5-20 Time: 15:30

Received by: (Signature)
FCO EX

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Temp: 4.4 °C
7+2=-9

Bottles Received: 77

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 2/7/20 Time: 9:45

Hold:

Condition: NCF / OK

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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

SDG # L1187224

Table #

Acctnum: GEOSYNPOR
Template: T162223
Prelogin: P752752
PM: 110 - Brian Ford
PB:

Shipped Via: FedEx Ground

Remarks

Sample # (lab only)

Hold:	Condition: NCF / OK
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