

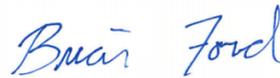
August 16, 2018

Cascade Corporation- Fairview, OR

Sample Delivery Group: L1016199
Samples Received: 08/09/2018
Project Number: PNG0564
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 National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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SAMPLE SUMMARY



CMW20DS-080818 L1016199-01 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/09/18 23:30	08/09/18 23:30	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 07:30 08/09/18 08:45

1 Cp

VMWA-080818 L1016199-02 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/09/18 23:50	08/09/18 23:50	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 07:45 08/09/18 08:45

2 Tc

3 Ss

4 Cn

5 Sr

VMWB-080818 L1016199-03 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 00:10	08/10/18 00:10	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 07:55 08/09/18 08:45

6 Qc

7 Gl

8 Al

VMWC-080818 L1016199-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 00:30	08/10/18 00:30	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 08:05 08/09/18 08:45

9 Sc

VMWD-080818 L1016199-05 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 00:50	08/10/18 00:50	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 08:15 08/09/18 08:45

CMW19DS-080818 L1016199-06 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 01:10	08/10/18 01:10	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 08:35 08/09/18 08:45

CMW10DG-080818 L1016199-07 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 01:30	08/10/18 01:30	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 08:45 08/09/18 08:45

CMW10DS-080818 L1016199-08 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 01:50	08/10/18 01:50	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 08:50 08/09/18 08:45

SAMPLE SUMMARY



CMW18DS-080818 L1016199-09 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 02:10	08/10/18 02:10	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 09:10 08/08/18 09:10 08/09/18 08:45

1 Cp

2 Tc

3 Ss

CMW18DS-080818-DUP L1016199-10 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 02:30	08/10/18 02:30	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 09:11 08/08/18 09:11 08/09/18 08:45

4 Cn

5 Sr

CMW14RDS-080818 L1016199-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 02:50	08/10/18 02:50	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 09:30 08/08/18 09:30 08/09/18 08:45

6 Qc

7 Gl

CMW25DG-080818 L1016199-12 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 03:10	08/10/18 03:10	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 09:45 08/08/18 09:45 08/09/18 08:45

8 Al

9 Sc

EW16-080818 L1016199-13 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 03:30	08/10/18 03:30	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 10:05 08/08/18 10:05 08/09/18 08:45

CMW24DG-080818-U L1016199-14 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 03:49	08/10/18 03:49	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 10:35 08/08/18 10:35 08/09/18 08:45

CMW24DG-080818-L L1016199-15 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 04:09	08/10/18 04:09	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 10:40 08/08/18 10:40 08/09/18 08:45

CMW26DG-080818 L1016199-16 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150348	1	08/10/18 04:29	08/10/18 04:29	PP

Collected by PY/DT Collected date/time Received date/time
 08/08/18 11:05 08/08/18 11:05 08/09/18 08:45

SAMPLE SUMMARY



EW12-080818-U L1016199-17 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 11:20	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 12:51	08/10/18 12:51	ACG

EW12-080818-L L1016199-18 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 11:25	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 13:10	08/10/18 13:10	ACG

D17DG-080818 L1016199-19 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 11:30	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 13:30	08/10/18 13:30	ACG

D17DS-080818 L1016199-20 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 11:35	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 13:49	08/10/18 13:49	ACG

EW8-080818-U L1016199-21 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 11:50	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 14:37	08/10/18 14:37	ACG

EW8-080818-L L1016199-22 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 12:00	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 14:56	08/10/18 14:56	ACG

MW17DS-080818 L1016199-23 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 12:15	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 15:15	08/10/18 15:15	ACG

MW17DS-080818-DUP L1016199-24 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by PY/DT				Collected date/time 08/08/18 12:16	Received date/time 08/09/18 08:45
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 15:35	08/10/18 15:35	ACG

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

SAMPLE SUMMARY



EW1-080818 L1016199-25 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 15:54	08/10/18 15:54	ACG

Collected by PY/DT	Collected date/time 08/08/18 12:20	Received date/time 08/09/18 08:45
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1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

EW2-080818 L1016199-26 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 16:14	08/10/18 16:14	ACG

Collected by PY/DT	Collected date/time 08/08/18 12:25	Received date/time 08/09/18 08:45
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EW14-080818 L1016199-27 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 16:33	08/10/18 16:33	ACG

Collected by PY/DT	Collected date/time 08/08/18 12:30	Received date/time 08/09/18 08:45
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EW23-080818 L1016199-28 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 16:53	08/10/18 16:53	ACG

Collected by PY/DT	Collected date/time 08/08/18 12:35	Received date/time 08/09/18 08:45
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TRIP BLANK LOT #404 L1016199-29 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150503	1	08/10/18 11:53	08/10/18 11:53	ACG

Collected by PY/DT	Collected date/time 08/08/18 00:00	Received date/time 08/09/18 08:45
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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 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	32.8		25.0	1	08/09/2018 23:30	WG1150348
Acrolein	ND		50.0	1	08/09/2018 23:30	WG1150348
Acrylonitrile	ND		5.00	1	08/09/2018 23:30	WG1150348
Benzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Bromobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Bromodichloromethane	ND		0.500	1	08/09/2018 23:30	WG1150348
Bromoform	ND		0.500	1	08/09/2018 23:30	WG1150348
Bromomethane	ND		2.50	1	08/09/2018 23:30	WG1150348
n-Butylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
sec-Butylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
tert-Butylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Carbon disulfide	ND		0.500	1	08/09/2018 23:30	WG1150348
Carbon tetrachloride	ND		0.500	1	08/09/2018 23:30	WG1150348
Chlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Chlorodibromomethane	ND		0.500	1	08/09/2018 23:30	WG1150348
Chloroethane	ND		2.50	1	08/09/2018 23:30	WG1150348
Chloroform	ND		0.500	1	08/09/2018 23:30	WG1150348
Chloromethane	ND		1.25	1	08/09/2018 23:30	WG1150348
2-Chlorotoluene	ND		0.500	1	08/09/2018 23:30	WG1150348
4-Chlorotoluene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/09/2018 23:30	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/09/2018 23:30	WG1150348
Dibromomethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/09/2018 23:30	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/09/2018 23:30	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/09/2018 23:30	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/09/2018 23:30	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/09/2018 23:30	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/09/2018 23:30	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/09/2018 23:30	WG1150348
Di-isopropyl ether	ND		0.500	1	08/09/2018 23:30	WG1150348
Ethylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/09/2018 23:30	WG1150348
Isopropylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/09/2018 23:30	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/09/2018 23:30	WG1150348
Methylene Chloride	ND		2.50	1	08/09/2018 23:30	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/09/2018 23:30	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/09/2018 23:30	WG1150348
Naphthalene	ND		2.50	1	08/09/2018 23:30	WG1150348
n-Propylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Styrene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
Tetrachloroethene	ND		0.500	1	08/09/2018 23:30	WG1150348
Toluene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348

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



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/09/2018 23:30	WG1150348
Trichloroethene	ND		0.500	1	08/09/2018 23:30	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/09/2018 23:30	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/09/2018 23:30	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/09/2018 23:30	WG1150348
Vinyl chloride	ND		0.500	1	08/09/2018 23:30	WG1150348
Xylenes, Total	ND		1.50	1	08/09/2018 23:30	WG1150348
(S) Toluene-d8	110		80.0-120		08/09/2018 23:30	WG1150348
(S) Dibromofluoromethane	101		76.0-123		08/09/2018 23:30	WG1150348
(S) 4-Bromofluorobenzene	95.8		80.0-120		08/09/2018 23:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	31.2		25.0	1	08/09/2018 23:50	WG1150348
Acrolein	ND		50.0	1	08/09/2018 23:50	WG1150348
Acrylonitrile	ND		5.00	1	08/09/2018 23:50	WG1150348
Benzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Bromobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Bromodichloromethane	ND		0.500	1	08/09/2018 23:50	WG1150348
Bromoform	ND		0.500	1	08/09/2018 23:50	WG1150348
Bromomethane	ND		2.50	1	08/09/2018 23:50	WG1150348
n-Butylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
sec-Butylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
tert-Butylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Carbon disulfide	ND		0.500	1	08/09/2018 23:50	WG1150348
Carbon tetrachloride	ND		0.500	1	08/09/2018 23:50	WG1150348
Chlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Chlorodibromomethane	ND		0.500	1	08/09/2018 23:50	WG1150348
Chloroethane	ND		2.50	1	08/09/2018 23:50	WG1150348
Chloroform	ND		0.500	1	08/09/2018 23:50	WG1150348
Chloromethane	ND		1.25	1	08/09/2018 23:50	WG1150348
2-Chlorotoluene	ND		0.500	1	08/09/2018 23:50	WG1150348
4-Chlorotoluene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/09/2018 23:50	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/09/2018 23:50	WG1150348
Dibromomethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/09/2018 23:50	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/09/2018 23:50	WG1150348
cis-1,2-Dichloroethene	0.988		0.500	1	08/09/2018 23:50	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/09/2018 23:50	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/09/2018 23:50	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/09/2018 23:50	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/09/2018 23:50	WG1150348
Di-isopropyl ether	ND		0.500	1	08/09/2018 23:50	WG1150348
Ethylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/09/2018 23:50	WG1150348
Isopropylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/09/2018 23:50	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/09/2018 23:50	WG1150348
Methylene Chloride	ND		2.50	1	08/09/2018 23:50	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/09/2018 23:50	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/09/2018 23:50	WG1150348
Naphthalene	ND		2.50	1	08/09/2018 23:50	WG1150348
n-Propylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Styrene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
Tetrachloroethene	ND		0.500	1	08/09/2018 23:50	WG1150348
Toluene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/09/2018 23:50	WG1150348
Trichloroethene	8.03		0.500	1	08/09/2018 23:50	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/09/2018 23:50	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/09/2018 23:50	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/09/2018 23:50	WG1150348
Vinyl chloride	ND		0.500	1	08/09/2018 23:50	WG1150348
Xylenes, Total	ND		1.50	1	08/09/2018 23:50	WG1150348
(S) Toluene-d8	106		80.0-120		08/09/2018 23:50	WG1150348
(S) Dibromofluoromethane	97.3		76.0-123		08/09/2018 23:50	WG1150348
(S) 4-Bromofluorobenzene	88.5		80.0-120		08/09/2018 23:50	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	51.5		25.0	1	08/10/2018 00:10	WG1150348
Acrolein	ND		50.0	1	08/10/2018 00:10	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 00:10	WG1150348
Benzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 00:10	WG1150348
Bromoform	ND		0.500	1	08/10/2018 00:10	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 00:10	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 00:10	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 00:10	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 00:10	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 00:10	WG1150348
Chloroform	ND		0.500	1	08/10/2018 00:10	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 00:10	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 00:10	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 00:10	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 00:10	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 00:10	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 00:10	WG1150348
cis-1,2-Dichloroethene	3.04		0.500	1	08/10/2018 00:10	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 00:10	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:10	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:10	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 00:10	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 00:10	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 00:10	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 00:10	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 00:10	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 00:10	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 00:10	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 00:10	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 00:10	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Styrene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
Tetrachloroethene	1.60		0.500	1	08/10/2018 00:10	WG1150348
Toluene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 00:10	WG1150348
Trichloroethene	20.2		0.500	1	08/10/2018 00:10	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 00:10	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 00:10	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 00:10	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 00:10	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 00:10	WG1150348
(S) Toluene-d8	109		80.0-120		08/10/2018 00:10	WG1150348
(S) Dibromofluoromethane	101		76.0-123		08/10/2018 00:10	WG1150348
(S) 4-Bromofluorobenzene	89.1		80.0-120		08/10/2018 00:10	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 00:30	WG1150348
Acrolein	ND		50.0	1	08/10/2018 00:30	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 00:30	WG1150348
Benzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 00:30	WG1150348
Bromoform	ND		0.500	1	08/10/2018 00:30	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 00:30	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 00:30	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 00:30	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 00:30	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 00:30	WG1150348
Chloroform	ND		0.500	1	08/10/2018 00:30	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 00:30	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 00:30	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 00:30	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 00:30	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 00:30	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 00:30	WG1150348
cis-1,2-Dichloroethene	1.34		0.500	1	08/10/2018 00:30	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 00:30	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:30	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:30	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 00:30	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 00:30	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 00:30	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 00:30	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 00:30	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 00:30	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 00:30	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 00:30	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 00:30	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Styrene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
Tetrachloroethene	0.799		0.500	1	08/10/2018 00:30	WG1150348
Toluene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348

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



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 00:30	WG1150348
Trichloroethene	20.3		0.500	1	08/10/2018 00:30	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 00:30	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 00:30	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 00:30	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 00:30	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 00:30	WG1150348
(S) Toluene-d8	111		80.0-120		08/10/2018 00:30	WG1150348
(S) Dibromofluoromethane	98.7		76.0-123		08/10/2018 00:30	WG1150348
(S) 4-Bromofluorobenzene	87.0		80.0-120		08/10/2018 00:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	72.0		25.0	1	08/10/2018 00:50	WG1150348
Acrolein	ND		50.0	1	08/10/2018 00:50	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 00:50	WG1150348
Benzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 00:50	WG1150348
Bromoform	ND		0.500	1	08/10/2018 00:50	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 00:50	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 00:50	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 00:50	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 00:50	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 00:50	WG1150348
Chloroform	ND		0.500	1	08/10/2018 00:50	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 00:50	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 00:50	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 00:50	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 00:50	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 00:50	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 00:50	WG1150348
cis-1,2-Dichloroethene	2.01		0.500	1	08/10/2018 00:50	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 00:50	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:50	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 00:50	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 00:50	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 00:50	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 00:50	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 00:50	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 00:50	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 00:50	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 00:50	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 00:50	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 00:50	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Styrene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
Tetrachloroethene	0.769		0.500	1	08/10/2018 00:50	WG1150348
Toluene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 00:50	WG1150348
Trichloroethene	15.4		0.500	1	08/10/2018 00:50	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 00:50	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 00:50	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 00:50	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 00:50	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 00:50	WG1150348
(S) Toluene-d8	111		80.0-120		08/10/2018 00:50	WG1150348
(S) Dibromofluoromethane	100		76.0-123		08/10/2018 00:50	WG1150348
(S) 4-Bromofluorobenzene	86.7		80.0-120		08/10/2018 00:50	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	70.8		25.0	1	08/10/2018 01:10	WG1150348
Acrolein	ND		50.0	1	08/10/2018 01:10	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 01:10	WG1150348
Benzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 01:10	WG1150348
Bromoform	ND		0.500	1	08/10/2018 01:10	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 01:10	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 01:10	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 01:10	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 01:10	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 01:10	WG1150348
Chloroform	ND		0.500	1	08/10/2018 01:10	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 01:10	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 01:10	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 01:10	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 01:10	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 01:10	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 01:10	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:10	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 01:10	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:10	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:10	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 01:10	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 01:10	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 01:10	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 01:10	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 01:10	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 01:10	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 01:10	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 01:10	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 01:10	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Styrene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 01:10	WG1150348
Toluene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 01:10	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 01:10	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 01:10	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 01:10	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 01:10	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 01:10	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 01:10	WG1150348
(S) Toluene-d8	105		80.0-120		08/10/2018 01:10	WG1150348
(S) Dibromofluoromethane	97.8		76.0-123		08/10/2018 01:10	WG1150348
(S) 4-Bromofluorobenzene	87.1		80.0-120		08/10/2018 01:10	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 01:30	WG1150348
Acrolein	ND		50.0	1	08/10/2018 01:30	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 01:30	WG1150348
Benzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 01:30	WG1150348
Bromoform	ND		0.500	1	08/10/2018 01:30	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 01:30	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 01:30	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 01:30	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 01:30	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 01:30	WG1150348
Chloroform	ND		0.500	1	08/10/2018 01:30	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 01:30	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 01:30	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 01:30	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 01:30	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 01:30	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 01:30	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:30	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 01:30	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:30	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:30	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 01:30	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 01:30	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 01:30	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 01:30	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 01:30	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 01:30	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 01:30	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 01:30	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 01:30	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Styrene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 01:30	WG1150348
Toluene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 01:30	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 01:30	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 01:30	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 01:30	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 01:30	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 01:30	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 01:30	WG1150348
(S) Toluene-d8	105		80.0-120		08/10/2018 01:30	WG1150348
(S) Dibromofluoromethane	99.4		76.0-123		08/10/2018 01:30	WG1150348
(S) 4-Bromofluorobenzene	85.9		80.0-120		08/10/2018 01:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	63.3		25.0	1	08/10/2018 01:50	WG1150348
Acrolein	ND		50.0	1	08/10/2018 01:50	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 01:50	WG1150348
Benzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 01:50	WG1150348
Bromoform	ND		0.500	1	08/10/2018 01:50	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 01:50	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 01:50	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 01:50	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 01:50	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 01:50	WG1150348
Chloroform	ND		0.500	1	08/10/2018 01:50	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 01:50	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 01:50	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 01:50	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 01:50	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 01:50	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 01:50	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:50	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 01:50	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:50	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 01:50	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 01:50	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 01:50	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 01:50	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 01:50	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 01:50	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 01:50	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 01:50	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 01:50	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 01:50	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Styrene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
Tetrachloroethene	0.678		0.500	1	08/10/2018 01:50	WG1150348
Toluene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 01:50	WG1150348
Trichloroethene	14.0		0.500	1	08/10/2018 01:50	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 01:50	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 01:50	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 01:50	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 01:50	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 01:50	WG1150348
(S) Toluene-d8	107		80.0-120		08/10/2018 01:50	WG1150348
(S) Dibromofluoromethane	95.7		76.0-123		08/10/2018 01:50	WG1150348
(S) 4-Bromofluorobenzene	87.7		80.0-120		08/10/2018 01:50	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	53.8		25.0	1	08/10/2018 02:10	WG1150348
Acrolein	ND		50.0	1	08/10/2018 02:10	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 02:10	WG1150348
Benzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 02:10	WG1150348
Bromoform	ND		0.500	1	08/10/2018 02:10	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 02:10	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 02:10	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 02:10	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 02:10	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 02:10	WG1150348
Chloroform	ND		0.500	1	08/10/2018 02:10	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 02:10	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 02:10	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 02:10	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 02:10	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 02:10	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 02:10	WG1150348
cis-1,2-Dichloroethene	9.90		0.500	1	08/10/2018 02:10	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 02:10	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:10	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:10	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 02:10	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 02:10	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 02:10	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 02:10	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 02:10	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 02:10	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 02:10	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 02:10	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 02:10	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Styrene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
Tetrachloroethene	3.71		0.500	1	08/10/2018 02:10	WG1150348
Toluene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 02:10	WG1150348
Trichloroethene	75.2		0.500	1	08/10/2018 02:10	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 02:10	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 02:10	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 02:10	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 02:10	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 02:10	WG1150348
(S) Toluene-d8	111		80.0-120		08/10/2018 02:10	WG1150348
(S) Dibromofluoromethane	99.0		76.0-123		08/10/2018 02:10	WG1150348
(S) 4-Bromofluorobenzene	87.9		80.0-120		08/10/2018 02:10	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	55.7		25.0	1	08/10/2018 02:30	WG1150348
Acrolein	ND		50.0	1	08/10/2018 02:30	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 02:30	WG1150348
Benzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 02:30	WG1150348
Bromoform	ND		0.500	1	08/10/2018 02:30	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 02:30	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 02:30	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 02:30	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 02:30	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 02:30	WG1150348
Chloroform	ND		0.500	1	08/10/2018 02:30	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 02:30	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 02:30	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 02:30	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 02:30	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 02:30	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 02:30	WG1150348
cis-1,2-Dichloroethene	10.6		0.500	1	08/10/2018 02:30	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 02:30	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:30	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:30	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 02:30	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 02:30	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 02:30	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 02:30	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 02:30	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 02:30	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 02:30	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 02:30	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 02:30	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Styrene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
Tetrachloroethene	3.23		0.500	1	08/10/2018 02:30	WG1150348
Toluene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 02:30	WG1150348
Trichloroethene	72.8		0.500	1	08/10/2018 02:30	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 02:30	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 02:30	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 02:30	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 02:30	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 02:30	WG1150348
(S) Toluene-d8	109		80.0-120		08/10/2018 02:30	WG1150348
(S) Dibromofluoromethane	99.8		76.0-123		08/10/2018 02:30	WG1150348
(S) 4-Bromofluorobenzene	86.6		80.0-120		08/10/2018 02:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 02:50	WG1150348
Acrolein	ND		50.0	1	08/10/2018 02:50	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 02:50	WG1150348
Benzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 02:50	WG1150348
Bromoform	ND		0.500	1	08/10/2018 02:50	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 02:50	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 02:50	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 02:50	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 02:50	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 02:50	WG1150348
Chloroform	1.83		0.500	1	08/10/2018 02:50	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 02:50	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 02:50	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 02:50	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 02:50	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 02:50	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 02:50	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 02:50	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 02:50	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:50	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 02:50	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 02:50	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 02:50	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 02:50	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 02:50	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 02:50	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 02:50	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 02:50	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 02:50	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 02:50	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Styrene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 02:50	WG1150348
Toluene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348

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



Collected date/time: 08/08/18 09:30

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 02:50	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 02:50	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 02:50	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 02:50	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 02:50	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 02:50	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 02:50	WG1150348
(S) Toluene-d8	101		80.0-120		08/10/2018 02:50	WG1150348
(S) Dibromofluoromethane	101		76.0-123		08/10/2018 02:50	WG1150348
(S) 4-Bromofluorobenzene	88.0		80.0-120		08/10/2018 02:50	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 03:10	WG1150348
Acrolein	ND		50.0	1	08/10/2018 03:10	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 03:10	WG1150348
Benzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 03:10	WG1150348
Bromoform	ND		0.500	1	08/10/2018 03:10	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 03:10	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 03:10	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 03:10	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 03:10	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 03:10	WG1150348
Chloroform	ND		0.500	1	08/10/2018 03:10	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 03:10	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 03:10	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 03:10	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 03:10	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 03:10	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 03:10	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:10	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 03:10	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:10	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:10	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 03:10	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 03:10	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 03:10	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 03:10	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 03:10	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 03:10	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 03:10	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 03:10	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 03:10	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Styrene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 03:10	WG1150348
Toluene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 03:10	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 03:10	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 03:10	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 03:10	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 03:10	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 03:10	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 03:10	WG1150348
(S) Toluene-d8	108		80.0-120		08/10/2018 03:10	WG1150348
(S) Dibromofluoromethane	99.0		76.0-123		08/10/2018 03:10	WG1150348
(S) 4-Bromofluorobenzene	88.7		80.0-120		08/10/2018 03:10	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	27.7		25.0	1	08/10/2018 03:30	WG1150348
Acrolein	ND		50.0	1	08/10/2018 03:30	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 03:30	WG1150348
Benzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 03:30	WG1150348
Bromoform	ND		0.500	1	08/10/2018 03:30	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 03:30	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 03:30	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 03:30	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 03:30	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 03:30	WG1150348
Chloroform	ND		0.500	1	08/10/2018 03:30	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 03:30	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 03:30	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 03:30	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 03:30	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 03:30	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 03:30	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:30	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 03:30	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:30	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:30	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 03:30	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 03:30	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 03:30	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 03:30	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 03:30	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 03:30	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 03:30	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 03:30	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 03:30	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Styrene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 03:30	WG1150348
Toluene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/08/18 10:05

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 03:30	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 03:30	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 03:30	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 03:30	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 03:30	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 03:30	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 03:30	WG1150348
(S) Toluene-d8	108		80.0-120		08/10/2018 03:30	WG1150348
(S) Dibromofluoromethane	101		76.0-123		08/10/2018 03:30	WG1150348
(S) 4-Bromofluorobenzene	88.4		80.0-120		08/10/2018 03:30	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 03:49	WG1150348
Acrolein	ND		50.0	1	08/10/2018 03:49	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 03:49	WG1150348
Benzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 03:49	WG1150348
Bromoform	ND		0.500	1	08/10/2018 03:49	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 03:49	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 03:49	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 03:49	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 03:49	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 03:49	WG1150348
Chloroform	ND		0.500	1	08/10/2018 03:49	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 03:49	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 03:49	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 03:49	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 03:49	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 03:49	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 03:49	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:49	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2-Dichloropropane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 03:49	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:49	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 03:49	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 03:49	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 03:49	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 03:49	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 03:49	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 03:49	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 03:49	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 03:49	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 03:49	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 03:49	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Styrene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 03:49	WG1150348
Toluene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 03:49	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 03:49	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 03:49	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 03:49	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 03:49	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 03:49	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 03:49	WG1150348
(S) Toluene-d8	103		80.0-120		08/10/2018 03:49	WG1150348
(S) Dibromofluoromethane	102		76.0-123		08/10/2018 03:49	WG1150348
(S) 4-Bromofluorobenzene	88.0		80.0-120		08/10/2018 03:49	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 04:09	WG1150348
Acrolein	ND		50.0	1	08/10/2018 04:09	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 04:09	WG1150348
Benzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 04:09	WG1150348
Bromoform	ND		0.500	1	08/10/2018 04:09	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 04:09	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 04:09	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 04:09	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 04:09	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 04:09	WG1150348
Chloroform	ND		0.500	1	08/10/2018 04:09	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 04:09	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 04:09	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 04:09	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 04:09	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 04:09	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 04:09	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 04:09	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2-Dichloropropane	1.89		0.500	1	08/10/2018 04:09	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 04:09	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 04:09	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 04:09	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 04:09	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 04:09	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 04:09	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 04:09	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 04:09	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 04:09	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 04:09	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 04:09	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 04:09	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Styrene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 04:09	WG1150348
Toluene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 04:09	WG1150348
Trichloroethene	ND		0.500	1	08/10/2018 04:09	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 04:09	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 04:09	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 04:09	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 04:09	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 04:09	WG1150348
(S) Toluene-d8	107		80.0-120		08/10/2018 04:09	WG1150348
(S) Dibromofluoromethane	98.0		76.0-123		08/10/2018 04:09	WG1150348
(S) 4-Bromofluorobenzene	89.9		80.0-120		08/10/2018 04:09	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 04:29	WG1150348
Acrolein	ND		50.0	1	08/10/2018 04:29	WG1150348
Acrylonitrile	ND		5.00	1	08/10/2018 04:29	WG1150348
Benzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Bromobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Bromodichloromethane	ND		0.500	1	08/10/2018 04:29	WG1150348
Bromoform	ND		0.500	1	08/10/2018 04:29	WG1150348
Bromomethane	ND		2.50	1	08/10/2018 04:29	WG1150348
n-Butylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
sec-Butylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
tert-Butylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Carbon disulfide	ND		0.500	1	08/10/2018 04:29	WG1150348
Carbon tetrachloride	ND		0.500	1	08/10/2018 04:29	WG1150348
Chlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Chlorodibromomethane	ND		0.500	1	08/10/2018 04:29	WG1150348
Chloroethane	ND		2.50	1	08/10/2018 04:29	WG1150348
Chloroform	ND		0.500	1	08/10/2018 04:29	WG1150348
Chloromethane	ND		1.25	1	08/10/2018 04:29	WG1150348
2-Chlorotoluene	ND		0.500	1	08/10/2018 04:29	WG1150348
4-Chlorotoluene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 04:29	WG1150348
1,2-Dibromoethane	ND		0.500	1	08/10/2018 04:29	WG1150348
Dibromomethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 04:29	WG1150348
1,1-Dichloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2-Dichloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1-Dichloroethene	ND		0.500	1	08/10/2018 04:29	WG1150348
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 04:29	WG1150348
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2-Dichloropropane	1.85		0.500	1	08/10/2018 04:29	WG1150348
1,1-Dichloropropene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,3-Dichloropropane	ND		1.00	1	08/10/2018 04:29	WG1150348
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 04:29	WG1150348
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 04:29	WG1150348
2,2-Dichloropropane	ND		0.500	1	08/10/2018 04:29	WG1150348
Di-isopropyl ether	ND		0.500	1	08/10/2018 04:29	WG1150348
Ethylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 04:29	WG1150348
Isopropylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
p-Isopropyltoluene	ND		0.500	1	08/10/2018 04:29	WG1150348
2-Butanone (MEK)	ND		5.00	1	08/10/2018 04:29	WG1150348
Methylene Chloride	ND		2.50	1	08/10/2018 04:29	WG1150348
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 04:29	WG1150348
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 04:29	WG1150348
Naphthalene	ND		2.50	1	08/10/2018 04:29	WG1150348
n-Propylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Styrene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
Tetrachloroethene	ND		0.500	1	08/10/2018 04:29	WG1150348
Toluene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 04:29	WG1150348
Trichloroethene	6.46		0.500	1	08/10/2018 04:29	WG1150348
Trichlorofluoromethane	ND		2.50	1	08/10/2018 04:29	WG1150348
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 04:29	WG1150348
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 04:29	WG1150348
Vinyl chloride	ND		0.500	1	08/10/2018 04:29	WG1150348
Xylenes, Total	ND		1.50	1	08/10/2018 04:29	WG1150348
(S) Toluene-d8	102		80.0-120		08/10/2018 04:29	WG1150348
(S) Dibromofluoromethane	101		76.0-123		08/10/2018 04:29	WG1150348
(S) 4-Bromofluorobenzene	88.5		80.0-120		08/10/2018 04:29	WG1150348

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 12:51	WG1150503
Acrolein	ND		50.0	1	08/10/2018 12:51	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 12:51	WG1150503
Benzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 12:51	WG1150503
Bromoform	ND		0.500	1	08/10/2018 12:51	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 12:51	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 12:51	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 12:51	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 12:51	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 12:51	WG1150503
Chloroform	ND		0.500	1	08/10/2018 12:51	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 12:51	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 12:51	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 12:51	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 12:51	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 12:51	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 12:51	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 12:51	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 12:51	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 12:51	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 12:51	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 12:51	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 12:51	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 12:51	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 12:51	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 12:51	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 12:51	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 12:51	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 12:51	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 12:51	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Styrene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 12:51	WG1150503
Toluene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 12:51	WG1150503
Trichloroethene	ND		0.500	1	08/10/2018 12:51	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 12:51	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 12:51	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 12:51	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 12:51	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 12:51	WG1150503
(S) Toluene-d8	101		80.0-120		08/10/2018 12:51	WG1150503
(S) Dibromofluoromethane	94.0		76.0-123		08/10/2018 12:51	WG1150503
(S) 4-Bromofluorobenzene	98.8		80.0-120		08/10/2018 12:51	WG1150503

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	28.7		25.0	1	08/10/2018 13:10	WG1150503
Acrolein	ND		50.0	1	08/10/2018 13:10	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 13:10	WG1150503
Benzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 13:10	WG1150503
Bromoform	ND		0.500	1	08/10/2018 13:10	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 13:10	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 13:10	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 13:10	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 13:10	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 13:10	WG1150503
Chloroform	ND		0.500	1	08/10/2018 13:10	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 13:10	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 13:10	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 13:10	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 13:10	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 13:10	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 13:10	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 13:10	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 13:10	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:10	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:10	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 13:10	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 13:10	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 13:10	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 13:10	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 13:10	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 13:10	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 13:10	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 13:10	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 13:10	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Styrene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 13:10	WG1150503
Toluene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 13:10	WG1150503
Trichloroethene	2.24		0.500	1	08/10/2018 13:10	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 13:10	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 13:10	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 13:10	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 13:10	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 13:10	WG1150503
(S) Toluene-d8	101		80.0-120		08/10/2018 13:10	WG1150503
(S) Dibromofluoromethane	94.9		76.0-123		08/10/2018 13:10	WG1150503
(S) 4-Bromofluorobenzene	97.7		80.0-120		08/10/2018 13:10	WG1150503

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 13:30	WG1150503
Acrolein	ND		50.0	1	08/10/2018 13:30	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 13:30	WG1150503
Benzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 13:30	WG1150503
Bromoform	ND		0.500	1	08/10/2018 13:30	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 13:30	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 13:30	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 13:30	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 13:30	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 13:30	WG1150503
Chloroform	ND		0.500	1	08/10/2018 13:30	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 13:30	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 13:30	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 13:30	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 13:30	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 13:30	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 13:30	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 13:30	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 13:30	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:30	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:30	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 13:30	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 13:30	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 13:30	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 13:30	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 13:30	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 13:30	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 13:30	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 13:30	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 13:30	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Styrene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 13:30	WG1150503
Toluene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 13:30	WG1150503
Trichloroethene	1.27		0.500	1	08/10/2018 13:30	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 13:30	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 13:30	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 13:30	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 13:30	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 13:30	WG1150503
(S) Toluene-d8	102		80.0-120		08/10/2018 13:30	WG1150503
(S) Dibromofluoromethane	93.7		76.0-123		08/10/2018 13:30	WG1150503
(S) 4-Bromofluorobenzene	99.4		80.0-120		08/10/2018 13:30	WG1150503

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



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 13:49	WG1150503
Acrolein	ND		50.0	1	08/10/2018 13:49	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 13:49	WG1150503
Benzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 13:49	WG1150503
Bromoform	ND		0.500	1	08/10/2018 13:49	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 13:49	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 13:49	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 13:49	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 13:49	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 13:49	WG1150503
Chloroform	ND		0.500	1	08/10/2018 13:49	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 13:49	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 13:49	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 13:49	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 13:49	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 13:49	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 13:49	WG1150503
cis-1,2-Dichloroethene	11.7		0.500	1	08/10/2018 13:49	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 13:49	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:49	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 13:49	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 13:49	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 13:49	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 13:49	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 13:49	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 13:49	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 13:49	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 13:49	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 13:49	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 13:49	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Styrene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
Tetrachloroethene	1.41		0.500	1	08/10/2018 13:49	WG1150503
Toluene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 13:49	WG1150503
Trichloroethene	45.7		0.500	1	08/10/2018 13:49	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 13:49	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 13:49	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 13:49	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 13:49	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 13:49	WG1150503
(S) Toluene-d8	102		80.0-120		08/10/2018 13:49	WG1150503
(S) Dibromofluoromethane	93.9		76.0-123		08/10/2018 13:49	WG1150503
(S) 4-Bromofluorobenzene	98.9		80.0-120		08/10/2018 13:49	WG1150503

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 14:37	WG1150503
Acrolein	ND		50.0	1	08/10/2018 14:37	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 14:37	WG1150503
Benzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 14:37	WG1150503
Bromoform	ND		0.500	1	08/10/2018 14:37	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 14:37	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 14:37	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 14:37	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 14:37	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 14:37	WG1150503
Chloroform	ND		0.500	1	08/10/2018 14:37	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 14:37	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 14:37	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 14:37	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 14:37	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 14:37	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 14:37	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 14:37	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 14:37	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 14:37	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 14:37	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 14:37	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 14:37	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 14:37	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 14:37	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 14:37	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 14:37	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 14:37	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 14:37	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 14:37	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Styrene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 14:37	WG1150503
Toluene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/08/18 11:50

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 14:37	WG1150503
Trichloroethene	0.560		0.500	1	08/10/2018 14:37	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 14:37	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 14:37	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 14:37	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 14:37	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 14:37	WG1150503
(S) Toluene-d8	100		80.0-120		08/10/2018 14:37	WG1150503
(S) Dibromofluoromethane	94.0		76.0-123		08/10/2018 14:37	WG1150503
(S) 4-Bromofluorobenzene	99.6		80.0-120		08/10/2018 14:37	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/08/18 12:00

L1016199

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 14:56	WG1150503
Acrolein	ND		50.0	1	08/10/2018 14:56	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 14:56	WG1150503
Benzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 14:56	WG1150503
Bromoform	ND		0.500	1	08/10/2018 14:56	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 14:56	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 14:56	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 14:56	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 14:56	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 14:56	WG1150503
Chloroform	ND		0.500	1	08/10/2018 14:56	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 14:56	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 14:56	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 14:56	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 14:56	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 14:56	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 14:56	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 14:56	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 14:56	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 14:56	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 14:56	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 14:56	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 14:56	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 14:56	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 14:56	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 14:56	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 14:56	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 14:56	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 14:56	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 14:56	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503
Styrene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 14:56	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 14:56	WG1150503
Toluene	ND		0.500	1	08/10/2018 14:56	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Cascade Corporation- Fairview, OR

PROJECT:

PNG0564

SDG:

L1016199

DATE/TIME:

08/16/18 14:17

PAGE:

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Collected date/time: 08/08/18 12:00

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 14:56	WG1150503	¹ Cp
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503	² Tc
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 14:56	WG1150503	³ Ss
Trichloroethene	ND		0.500	1	08/10/2018 14:56	WG1150503	⁴ Cn
Trichlorofluoromethane	ND		2.50	1	08/10/2018 14:56	WG1150503	⁵ Sr
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 14:56	WG1150503	⁶ Qc
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503	⁷ Gl
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503	⁸ Al
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 14:56	WG1150503	⁹ Sc
Vinyl chloride	ND		0.500	1	08/10/2018 14:56	WG1150503	
Xylenes, Total	ND		1.50	1	08/10/2018 14:56	WG1150503	
(S) Toluene-d8	101		80.0-120		08/10/2018 14:56	WG1150503	
(S) Dibromofluoromethane	93.8		76.0-123		08/10/2018 14:56	WG1150503	
(S) 4-Bromofluorobenzene	99.4		80.0-120		08/10/2018 14:56	WG1150503	



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 15:15	WG1150503
Acrolein	ND		50.0	1	08/10/2018 15:15	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 15:15	WG1150503
Benzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 15:15	WG1150503
Bromoform	ND		0.500	1	08/10/2018 15:15	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 15:15	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 15:15	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 15:15	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 15:15	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 15:15	WG1150503
Chloroform	ND		0.500	1	08/10/2018 15:15	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 15:15	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 15:15	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 15:15	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 15:15	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 15:15	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 15:15	WG1150503
cis-1,2-Dichloroethene	1.26		0.500	1	08/10/2018 15:15	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 15:15	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:15	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:15	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 15:15	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 15:15	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 15:15	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 15:15	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 15:15	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 15:15	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 15:15	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 15:15	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 15:15	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Styrene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
Tetrachloroethene	0.549		0.500	1	08/10/2018 15:15	WG1150503
Toluene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 15:15	WG1150503
Trichloroethene	8.64		0.500	1	08/10/2018 15:15	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 15:15	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 15:15	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 15:15	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 15:15	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 15:15	WG1150503
(S) Toluene-d8	98.8		80.0-120		08/10/2018 15:15	WG1150503
(S) Dibromofluoromethane	95.5		76.0-123		08/10/2018 15:15	WG1150503
(S) 4-Bromofluorobenzene	99.6		80.0-120		08/10/2018 15:15	WG1150503

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



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 15:35	WG1150503
Acrolein	ND		50.0	1	08/10/2018 15:35	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 15:35	WG1150503
Benzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 15:35	WG1150503
Bromoform	ND		0.500	1	08/10/2018 15:35	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 15:35	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 15:35	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 15:35	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 15:35	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 15:35	WG1150503
Chloroform	ND		0.500	1	08/10/2018 15:35	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 15:35	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 15:35	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 15:35	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 15:35	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 15:35	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 15:35	WG1150503
cis-1,2-Dichloroethene	1.32		0.500	1	08/10/2018 15:35	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 15:35	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:35	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:35	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 15:35	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 15:35	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 15:35	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 15:35	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 15:35	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 15:35	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 15:35	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 15:35	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 15:35	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Styrene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
Tetrachloroethene	0.556		0.500	1	08/10/2018 15:35	WG1150503
Toluene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 15:35	WG1150503
Trichloroethene	8.89		0.500	1	08/10/2018 15:35	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 15:35	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 15:35	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 15:35	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 15:35	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 15:35	WG1150503
(S) Toluene-d8	100		80.0-120		08/10/2018 15:35	WG1150503
(S) Dibromofluoromethane	94.2		76.0-123		08/10/2018 15:35	WG1150503
(S) 4-Bromofluorobenzene	99.9		80.0-120		08/10/2018 15:35	WG1150503

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



Collected date/time: 08/08/18 12:20

L1016199

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 15:54	WG1150503
Acrolein	ND		50.0	1	08/10/2018 15:54	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 15:54	WG1150503
Benzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 15:54	WG1150503
Bromoform	ND		0.500	1	08/10/2018 15:54	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 15:54	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 15:54	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 15:54	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 15:54	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 15:54	WG1150503
Chloroform	ND		0.500	1	08/10/2018 15:54	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 15:54	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 15:54	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 15:54	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 15:54	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 15:54	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 15:54	WG1150503
cis-1,2-Dichloroethene	0.752		0.500	1	08/10/2018 15:54	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 15:54	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:54	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 15:54	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 15:54	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 15:54	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 15:54	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 15:54	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 15:54	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 15:54	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 15:54	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 15:54	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 15:54	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Styrene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 15:54	WG1150503
Toluene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 15:54	WG1150503
Trichloroethene	3.79		0.500	1	08/10/2018 15:54	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 15:54	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 15:54	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 15:54	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 15:54	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 15:54	WG1150503
(S) Toluene-d8	100		80.0-120		08/10/2018 15:54	WG1150503
(S) Dibromofluoromethane	94.8		76.0-123		08/10/2018 15:54	WG1150503
(S) 4-Bromofluorobenzene	100		80.0-120		08/10/2018 15:54	WG1150503

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



Collected date/time: 08/08/18 12:25

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 16:14	WG1150503
Acrolein	ND		50.0	1	08/10/2018 16:14	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 16:14	WG1150503
Benzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 16:14	WG1150503
Bromoform	ND		0.500	1	08/10/2018 16:14	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 16:14	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 16:14	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 16:14	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 16:14	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 16:14	WG1150503
Chloroform	ND		0.500	1	08/10/2018 16:14	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 16:14	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 16:14	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 16:14	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 16:14	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 16:14	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 16:14	WG1150503
cis-1,2-Dichloroethene	1.32		0.500	1	08/10/2018 16:14	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 16:14	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:14	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:14	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 16:14	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 16:14	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 16:14	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 16:14	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 16:14	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 16:14	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 16:14	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 16:14	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 16:14	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Styrene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
Tetrachloroethene	0.832		0.500	1	08/10/2018 16:14	WG1150503
Toluene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 16:14	WG1150503
Trichloroethene	12.1		0.500	1	08/10/2018 16:14	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 16:14	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 16:14	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 16:14	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 16:14	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 16:14	WG1150503
(S) Toluene-d8	100		80.0-120		08/10/2018 16:14	WG1150503
(S) Dibromofluoromethane	94.6		76.0-123		08/10/2018 16:14	WG1150503
(S) 4-Bromofluorobenzene	98.4		80.0-120		08/10/2018 16:14	WG1150503

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



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 16:33	WG1150503
Acrolein	ND		50.0	1	08/10/2018 16:33	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 16:33	WG1150503
Benzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 16:33	WG1150503
Bromoform	ND		0.500	1	08/10/2018 16:33	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 16:33	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 16:33	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 16:33	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 16:33	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 16:33	WG1150503
Chloroform	ND		0.500	1	08/10/2018 16:33	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 16:33	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 16:33	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 16:33	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 16:33	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 16:33	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 16:33	WG1150503
cis-1,2-Dichloroethene	0.897		0.500	1	08/10/2018 16:33	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 16:33	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:33	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:33	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 16:33	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 16:33	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 16:33	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 16:33	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 16:33	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 16:33	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 16:33	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 16:33	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 16:33	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503
Styrene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 16:33	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 16:33	WG1150503
Toluene	ND		0.500	1	08/10/2018 16:33	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 16:33	WG1150503	¹ Cp
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503	² Tc
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 16:33	WG1150503	³ Ss
Trichloroethene	7.46		0.500	1	08/10/2018 16:33	WG1150503	⁴ Cn
Trichlorofluoromethane	ND		2.50	1	08/10/2018 16:33	WG1150503	⁵ Sr
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 16:33	WG1150503	⁶ Qc
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503	⁷ Gl
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503	⁸ Al
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 16:33	WG1150503	⁹ Sc
Vinyl chloride	ND		0.500	1	08/10/2018 16:33	WG1150503	
Xylenes, Total	ND		1.50	1	08/10/2018 16:33	WG1150503	
(S) Toluene-d8	99.3		80.0-120		08/10/2018 16:33	WG1150503	
(S) Dibromofluoromethane	96.1		76.0-123		08/10/2018 16:33	WG1150503	
(S) 4-Bromofluorobenzene	99.5		80.0-120		08/10/2018 16:33	WG1150503	



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	08/10/2018 16:53	WG1150503
Acrolein	ND		50.0	1	08/10/2018 16:53	WG1150503
Acrylonitrile	ND		5.00	1	08/10/2018 16:53	WG1150503
Benzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 16:53	WG1150503
Bromoform	ND		0.500	1	08/10/2018 16:53	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 16:53	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 16:53	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 16:53	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 16:53	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 16:53	WG1150503
Chloroform	ND		0.500	1	08/10/2018 16:53	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 16:53	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 16:53	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 16:53	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 16:53	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 16:53	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 16:53	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 16:53	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 16:53	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:53	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 16:53	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 16:53	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 16:53	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 16:53	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 16:53	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 16:53	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 16:53	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 16:53	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 16:53	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 16:53	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Styrene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 16:53	WG1150503
Toluene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 08/08/18 12:35

L1016199

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 16:53	WG1150503
Trichloroethene	1.93		0.500	1	08/10/2018 16:53	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 16:53	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 16:53	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 16:53	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 16:53	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 16:53	WG1150503
(S) Toluene-d8	101		80.0-120		08/10/2018 16:53	WG1150503
(S) Dibromofluoromethane	96.1		76.0-123		08/10/2018 16:53	WG1150503
(S) 4-Bromofluorobenzene	97.1		80.0-120		08/10/2018 16:53	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	08/10/2018 11:53	WG1150503
Acrolein	ND		50.0	1	08/10/2018 11:53	WG1150503
Acrylonitrile	6.17	B	5.00	1	08/10/2018 11:53	WG1150503
Benzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Bromobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Bromodichloromethane	ND		0.500	1	08/10/2018 11:53	WG1150503
Bromoform	ND		0.500	1	08/10/2018 11:53	WG1150503
Bromomethane	ND		2.50	1	08/10/2018 11:53	WG1150503
n-Butylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
sec-Butylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
tert-Butylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Carbon disulfide	ND		0.500	1	08/10/2018 11:53	WG1150503
Carbon tetrachloride	ND		0.500	1	08/10/2018 11:53	WG1150503
Chlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Chlorodibromomethane	ND		0.500	1	08/10/2018 11:53	WG1150503
Chloroethane	ND		2.50	1	08/10/2018 11:53	WG1150503
Chloroform	ND		0.500	1	08/10/2018 11:53	WG1150503
Chloromethane	ND		1.25	1	08/10/2018 11:53	WG1150503
2-Chlorotoluene	ND		0.500	1	08/10/2018 11:53	WG1150503
4-Chlorotoluene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2-Dibromo-3-Chloropropane	ND		2.50	1	08/10/2018 11:53	WG1150503
1,2-Dibromoethane	ND		0.500	1	08/10/2018 11:53	WG1150503
Dibromomethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2-Dichlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,3-Dichlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,4-Dichlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Dichlorodifluoromethane	ND		2.50	1	08/10/2018 11:53	WG1150503
1,1-Dichloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2-Dichloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1-Dichloroethene	ND		0.500	1	08/10/2018 11:53	WG1150503
cis-1,2-Dichloroethene	ND		0.500	1	08/10/2018 11:53	WG1150503
trans-1,2-Dichloroethene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2-Dichloropropane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1-Dichloropropene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,3-Dichloropropane	ND		1.00	1	08/10/2018 11:53	WG1150503
cis-1,3-Dichloropropene	ND		0.500	1	08/10/2018 11:53	WG1150503
trans-1,3-Dichloropropene	ND		0.500	1	08/10/2018 11:53	WG1150503
2,2-Dichloropropane	ND		0.500	1	08/10/2018 11:53	WG1150503
Di-isopropyl ether	ND		0.500	1	08/10/2018 11:53	WG1150503
Ethylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Hexachloro-1,3-butadiene	ND		1.00	1	08/10/2018 11:53	WG1150503
Isopropylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
p-Isopropyltoluene	ND		0.500	1	08/10/2018 11:53	WG1150503
2-Butanone (MEK)	ND		5.00	1	08/10/2018 11:53	WG1150503
Methylene Chloride	ND		2.50	1	08/10/2018 11:53	WG1150503
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	08/10/2018 11:53	WG1150503
Methyl tert-butyl ether	ND		0.500	1	08/10/2018 11:53	WG1150503
Naphthalene	ND		2.50	1	08/10/2018 11:53	WG1150503
n-Propylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Styrene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1,1,2-Tetrachloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1,2,2-Tetrachloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
Tetrachloroethene	ND		0.500	1	08/10/2018 11:53	WG1150503
Toluene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2,3-Trichlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1,1-Trichloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
1,1,2-Trichloroethane	ND		0.500	1	08/10/2018 11:53	WG1150503
Trichloroethene	ND		0.500	1	08/10/2018 11:53	WG1150503
Trichlorofluoromethane	ND		2.50	1	08/10/2018 11:53	WG1150503
1,2,3-Trichloropropane	ND		2.50	1	08/10/2018 11:53	WG1150503
1,2,4-Trimethylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,2,3-Trimethylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
1,3,5-Trimethylbenzene	ND		0.500	1	08/10/2018 11:53	WG1150503
Vinyl chloride	ND		0.500	1	08/10/2018 11:53	WG1150503
Xylenes, Total	ND		1.50	1	08/10/2018 11:53	WG1150503
(S) Toluene-d8	101		80.0-120		08/10/2018 11:53	WG1150503
(S) Dibromofluoromethane	93.4		76.0-123		08/10/2018 11:53	WG1150503
(S) 4-Bromofluorobenzene	99.4		80.0-120		08/10/2018 11:53	WG1150503

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3333590-2 08/09/18 21:36

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



Method Blank (MB)

(MB) R3333590-2 08/09/18 21:36

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	108			80.0-120
(S) Dibromofluoromethane	101			76.0-123
(S) 4-Bromofluorobenzene	93.0			80.0-120

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3333590-1 08/09/18 20:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	125	100	10.0-160	
Acrolein	125	122	97.7	10.0-160	
Acrylonitrile	125	109	87.4	60.0-142	



Laboratory Control Sample (LCS)

(LCS) R3333590-1 08/09/18 20:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	25.0	21.7	86.8	69.0-123	
Bromobenzene	25.0	21.3	85.2	79.0-120	
Bromodichloromethane	25.0	25.7	103	76.0-120	
Bromoform	25.0	24.0	96.0	67.0-132	
Bromomethane	25.0	26.4	105	18.0-160	
n-Butylbenzene	25.0	22.9	91.6	72.0-126	
sec-Butylbenzene	25.0	24.1	96.3	74.0-121	
tert-Butylbenzene	25.0	24.3	97.3	75.0-122	
Carbon disulfide	25.0	22.7	90.6	55.0-127	
Carbon tetrachloride	25.0	25.8	103	63.0-122	
Chlorobenzene	25.0	28.8	115	79.0-121	
Chlorodibromomethane	25.0	28.2	113	75.0-125	
Chloroethane	25.0	22.2	88.8	47.0-152	
Chloroform	25.0	24.0	96.0	72.0-121	
Chloromethane	25.0	23.0	92.1	48.0-139	
2-Chlorotoluene	25.0	23.7	94.9	74.0-122	
4-Chlorotoluene	25.0	22.8	91.3	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	21.7	86.7	64.0-127	
1,2-Dibromoethane	25.0	27.4	110	77.0-123	
Dibromomethane	25.0	26.2	105	78.0-120	
1,2-Dichlorobenzene	25.0	24.6	98.2	80.0-120	
1,3-Dichlorobenzene	25.0	25.6	102	72.0-123	
1,4-Dichlorobenzene	25.0	22.8	91.2	77.0-120	
Dichlorodifluoromethane	25.0	31.7	127	49.0-155	
1,1-Dichloroethane	25.0	21.8	87.2	70.0-126	
1,2-Dichloroethane	25.0	27.6	110	67.0-126	
1,1-Dichloroethene	25.0	22.4	89.4	64.0-129	
cis-1,2-Dichloroethene	25.0	21.6	86.3	73.0-120	
trans-1,2-Dichloroethene	25.0	22.6	90.2	71.0-121	
1,2-Dichloropropane	25.0	23.1	92.4	75.0-125	
1,1-Dichloropropene	25.0	24.0	96.1	71.0-129	
1,3-Dichloropropane	25.0	26.8	107	80.0-121	
cis-1,3-Dichloropropene	25.0	26.8	107	79.0-123	
trans-1,3-Dichloropropene	25.0	29.1	116	74.0-127	
2,2-Dichloropropane	25.0	24.5	98.2	60.0-125	
Di-isopropyl ether	25.0	22.1	88.4	59.0-133	
Ethylbenzene	25.0	29.1	117	77.0-120	
Hexachloro-1,3-butadiene	25.0	24.3	97.3	64.0-131	
Isopropylbenzene	25.0	22.2	88.9	75.0-120	
p-Isopropyltoluene	25.0	24.0	96.2	74.0-126	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS)

(LCS) R3333590-1 08/09/18 20:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	125	108	86.6	37.0-158	
Methylene Chloride	25.0	21.3	85.3	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	130	104	59.0-143	
Methyl tert-butyl ether	25.0	23.9	95.5	64.0-123	
Naphthalene	25.0	23.6	94.3	62.0-128	
n-Propylbenzene	25.0	23.5	94.2	79.0-120	
Styrene	25.0	21.7	86.7	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	29.5	118	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	21.0	84.1	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	25.8	103	61.0-136	
Tetrachloroethene	25.0	31.1	124	70.0-127	
Toluene	25.0	26.7	107	77.0-120	
1,2,3-Trichlorobenzene	25.0	23.8	95.1	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.8	95.0	69.0-129	
1,1,1-Trichloroethane	25.0	26.2	105	68.0-122	
1,1,2-Trichloroethane	25.0	26.6	107	78.0-120	
Trichloroethene	25.0	25.6	102	78.0-120	
Trichlorofluoromethane	25.0	29.5	118	56.0-137	
1,2,3-Trichloropropane	25.0	25.0	100	72.0-124	
1,2,4-Trimethylbenzene	25.0	24.2	96.7	75.0-120	
1,2,3-Trimethylbenzene	25.0	24.0	95.9	75.0-120	
1,3,5-Trimethylbenzene	25.0	22.6	90.4	75.0-120	
Vinyl chloride	25.0	24.0	95.9	64.0-133	
Xylenes, Total	75.0	85.1	113	77.0-120	
<i>(S) Toluene-d8</i>			111	80.0-120	
<i>(S) Dibromofluoromethane</i>			98.8	76.0-123	
<i>(S) 4-Bromofluorobenzene</i>			88.6	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3333544-4 08/10/18 11:18

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	2.87	U	0.873	5.00
Bromobenzene	U		0.133	0.500
Benzene	U		0.0896	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
1,1-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
1,2-Dichloroethane	U		0.108	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
Hexachloro-1,3-butadiene	U		0.157	1.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3333544-4 08/10/18 11:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	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
Isopropylbenzene	U		0.126	0.500
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
Methyl tert-butyl ether	U		0.102	0.500
Tetrachloroethene	U		0.199	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
Naphthalene	U		0.174	2.50
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
Toluene	U		0.412	0.500
Vinyl chloride	U		0.118	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	101			80.0-120
(S) Dibromofluoromethane	93.7			76.0-123
(S) 4-Bromofluorobenzene	99.6			80.0-120

- 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) R3333544-1 08/10/18 10:00 • (LCSD) R3333544-2 08/10/18 10:19

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	125	84.6	87.2	67.7	69.8	10.0-160			2.99	23
Acrolein	125	118	121	94.0	96.5	10.0-160			2.62	20
Acrylonitrile	125	94.1	96.1	75.3	76.9	60.0-142			2.12	20



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

(LCS) R3333544-1 08/10/18 10:00 • (LCSD) R3333544-2 08/10/18 10:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	25.0	24.7	25.1	98.9	101	79.0-120			1.65	20
Bromodichloromethane	25.0	24.2	24.2	96.9	96.7	76.0-120			0.154	20
Bromoform	25.0	25.0	25.3	99.9	101	67.0-132			1.28	20
Bromomethane	25.0	22.4	21.5	89.7	86.1	18.0-160			4.09	20
n-Butylbenzene	25.0	23.4	24.2	93.7	96.6	72.0-126			3.05	20
sec-Butylbenzene	25.0	25.1	25.9	101	104	74.0-121			3.00	20
tert-Butylbenzene	25.0	26.2	26.5	105	106	75.0-122			1.34	20
Carbon disulfide	25.0	26.5	27.8	106	111	55.0-127			4.78	20
Carbon tetrachloride	25.0	25.8	26.1	103	104	63.0-122			1.03	20
Chlorobenzene	25.0	26.2	26.2	105	105	79.0-121			0.133	20
Chlorodibromomethane	25.0	25.4	25.3	102	101	75.0-125			0.410	20
Chloroethane	25.0	23.3	21.5	93.0	86.1	47.0-152			7.68	20
Chloroform	25.0	24.3	24.2	97.3	96.9	72.0-121			0.403	20
Chloromethane	25.0	21.1	20.5	84.2	82.0	48.0-139			2.69	20
2-Chlorotoluene	25.0	25.9	26.4	104	105	74.0-122			1.57	20
4-Chlorotoluene	25.0	25.8	26.3	103	105	79.0-120			2.16	20
1,2-Dibromo-3-Chloropropane	25.0	16.9	18.3	67.8	73.3	64.0-127			7.80	20
1,2-Dibromoethane	25.0	22.6	22.9	90.2	91.5	77.0-123			1.34	20
Dibromomethane	25.0	22.9	22.5	91.5	89.8	78.0-120			1.81	20
1,2-Dichlorobenzene	25.0	24.4	24.7	97.8	98.6	80.0-120			0.857	20
1,3-Dichlorobenzene	25.0	25.2	25.6	101	103	72.0-123			1.53	20
1,4-Dichlorobenzene	25.0	23.9	24.7	95.8	98.8	77.0-120			3.12	20
Dichlorodifluoromethane	25.0	22.2	20.9	88.8	83.4	49.0-155			6.31	20
1,1-Dichloroethane	25.0	24.5	24.4	97.9	97.6	70.0-126			0.243	20
1,1-Dichloroethene	25.0	28.1	29.6	112	118	64.0-129			5.24	20
cis-1,2-Dichloroethene	25.0	24.9	25.5	99.8	102	73.0-120			2.13	20
trans-1,2-Dichloroethene	25.0	25.1	25.2	100	101	71.0-121			0.469	20
1,2-Dichloropropane	25.0	24.9	25.0	99.5	99.9	75.0-125			0.382	20
1,1-Dichloropropene	25.0	24.4	24.9	97.4	99.4	71.0-129			2.02	20
1,3-Dichloropropane	25.0	23.5	23.8	93.9	95.0	80.0-121			1.13	20
cis-1,3-Dichloropropene	25.0	26.0	26.0	104	104	79.0-123			0.0710	20
trans-1,3-Dichloropropene	25.0	25.0	25.5	100	102	74.0-127			1.74	20
Benzene	25.0	24.1	24.3	96.4	97.1	69.0-123			0.712	20
2,2-Dichloropropane	25.0	27.3	27.6	109	110	60.0-125			1.02	20
Di-isopropyl ether	25.0	25.4	25.7	102	103	59.0-133			1.19	20
Hexachloro-1,3-butadiene	25.0	23.2	24.9	92.8	99.6	64.0-131			7.01	20
p-Isopropyltoluene	25.0	25.5	26.3	102	105	74.0-126			2.96	20
2-Butanone (MEK)	125	85.6	88.9	68.4	71.1	37.0-158			3.85	20
Methylene Chloride	25.0	25.6	26.0	102	104	66.0-121			1.51	20
4-Methyl-2-pentanone (MIBK)	125	94.4	96.6	75.5	77.3	59.0-143			2.35	20

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) R3333544-1 08/10/18 10:00 • (LCSD) R3333544-2 08/10/18 10:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Propylbenzene	25.0	25.5	26.3	102	105	79.0-120			2.98	20
Styrene	25.0	27.1	27.3	109	109	78.0-124			0.647	20
1,1,1,2-Tetrachloroethane	25.0	27.2	27.0	109	108	75.0-122			0.616	20
1,1,2,2-Tetrachloroethane	25.0	22.3	22.7	89.4	90.7	71.0-122			1.48	20
1,1,2-Trichlorotrifluoroethane	25.0	25.8	26.4	103	106	61.0-136			2.29	20
Tetrachloroethene	25.0	26.8	27.1	107	108	70.0-127			0.971	20
1,2,3-Trichlorobenzene	25.0	19.3	20.8	77.0	83.2	61.0-133			7.67	20
1,2,4-Trichlorobenzene	25.0	23.1	24.8	92.3	99.2	69.0-129			7.23	20
1,1,1-Trichloroethane	25.0	26.6	27.2	106	109	68.0-122			2.18	20
1,1,2-Trichloroethane	25.0	23.5	23.7	93.9	95.0	78.0-120			1.11	20
Trichloroethene	25.0	25.6	25.6	102	103	78.0-120			0.128	20
Trichlorofluoromethane	25.0	24.6	24.7	98.4	98.9	56.0-137			0.487	20
1,2,3-Trichloropropane	25.0	21.6	21.8	86.6	87.1	72.0-124			0.611	20
1,2,3-Trimethylbenzene	25.0	24.5	24.6	98.0	98.2	75.0-120			0.264	20
1,2-Dichloroethane	25.0	22.0	22.3	88.1	89.2	67.0-126			1.26	20
Vinyl chloride	25.0	23.1	23.8	92.3	95.0	64.0-133			2.95	20
Ethylbenzene	25.0	25.6	25.9	102	104	77.0-120			1.16	20
Isopropylbenzene	25.0	26.4	26.8	106	107	75.0-120			1.60	20
Methyl tert-butyl ether	25.0	25.9	26.3	104	105	64.0-123			1.27	20
Naphthalene	25.0	16.3	17.7	65.3	71.0	62.0-128			8.42	20
Toluene	25.0	24.6	25.1	98.4	101	77.0-120			2.19	20
1,2,4-Trimethylbenzene	25.0	25.7	26.3	103	105	75.0-120			2.14	20
1,3,5-Trimethylbenzene	25.0	26.1	26.8	104	107	75.0-120			2.58	20
Xylenes, Total	75.0	76.3	76.5	102	102	77.0-120			0.262	20
(S) Toluene-d8				99.4	100	80.0-120				
(S) Dibromofluoromethane				94.9	95.5	76.0-123				
(S) 4-Bromofluorobenzene				98.3	99.6	80.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Guide to Reading and Understanding Your Laboratory Report

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

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.
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.

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

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.



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	T 104704245-17-14
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

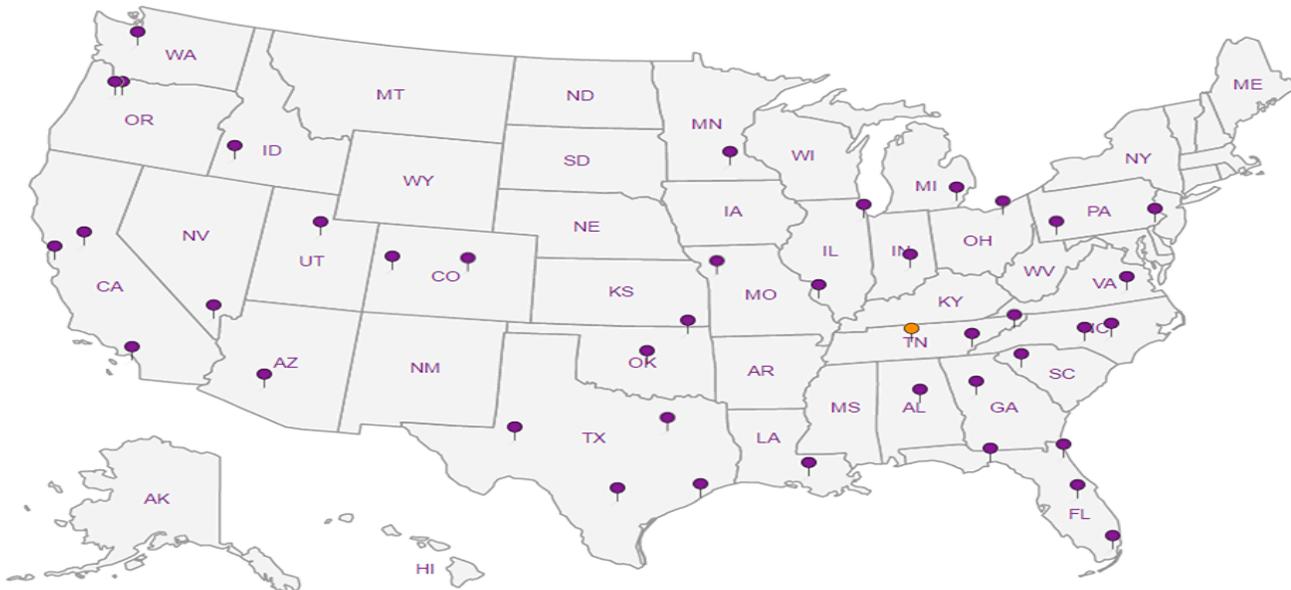
Third Party Federal Accreditations

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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Cascade Corporation- Fairview, OR

2201 NE 201st Avenue
Fairview, OR 97024-9718

Billing Information:
Accounts Payable
P.O. Box 20187
Portland, OR 97294-0187

Report to:
Cindy Bartlett

Email To: **CBartlett@Geosyntec.com**

Project Description: **Cascade TSA**

City/State Collected: **Fairview OR**

Phone: **503-669-6286**
Fax:

Client Project #
PNG0564

Lab Project #
CASCORFOR-PNG0564

Collected by (print):
PAT YODAN / D. ...

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

Immediately
Packed on Ice N Y

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace Analytical
National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-3859
Fax: 615-758-5859

L# **106199**
G222
Acctnum: **CASCORFOR**
Template: **T138629**
Prelogin: **P663642**
TSR: **1105 Brian Ford**
PB: **7/20/18**
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
CMW20ds-080818		GW		8/8/18	7:30	3		-01
VMWA-080818		GW		8/8/18	7:45	3		-02
VMWB-080818		GW		8/8/18	7:55	3		-03
VMWC-080818		GW		8/8/18	8:05	3		-04
VMWD-080818		GW		8/8/18	8:15	3		-05
CMW19ds-080818		GW		8/8/18	8:35	3		-06
CMW10dg-080818		GW		8/8/18	8:45	3		-07
CMW10ds-080818		GW		8/8/18	8:50	3		-08
CMW18ds-080818		GW		8/8/18	9:10	3		-09
CMW18ds-080818-DUP		GW		8/8/18	9:11	3		-10

* 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 # **4492 6217 8304**

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature) <i>[Signature]</i>	Date: 8/8/18	Time: 13:30	Received by: (Signature) Fed Ex	Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCL / MeOH TBR	Temp: 4.2 °C Bottles Received: 84	Hold:	Condition: NCF / OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 8/9/18	Time: 0845	Hold:	Condition: NCF / OK
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 8/9/18	Time: 0845	Hold:	Condition: NCF / OK

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Project Description: **Cascade TSA**

Phone: 503-669-6286
Fax:

Client Project #
PNG0564

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

Lab Project #
CASCORFOR-PNG0564

Collected by (print):
Pat Yaden / District

Site/Facility ID #

P.O. #

Collected by (signature):
Pat Yaden

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

Quote #
Date Results Needed

Immediately Packed on Ice N Y X

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3



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



L# **1016199**

Table #

Acctnum: **CASCORFOR**
Template: **T138629**

Prelogin: **P663642**

TSR: **110- Brian Ford**

PB: **7/20/18 MWB**

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative	Remarks	Sample # (lab only)
CMW14Rds-080818		GW		8/8/18	9:30	3	VOCs V8260LL 40mlAmb-HCl		-11
CMW25dg-080818		GW		8/8/18	9:45	3	VOCs V8260LL 40mlAmb-HCl		-12
EW16-080818		GW		8/8/18	10:05	3	VOCs V8260LL 40mlAmb-HCl		-13
CMW24dg-080818-U		GW		8/8/18	10:35	3	VOCs V8260LL 40mlAmb-HCl		-14
CMW24dg-080818-L		GW		8/8/18	10:40	3	VOCs V8260LL 40mlAmb-HCl		-15
CMW26dg-080818		GW		8/8/18	11:05	3	VOCs V8260LL 40mlAmb-HCl		-16
EW12-080818-U		GW		8/8/18	11:20	3	VOCs V8260LL 40mlAmb-HCl		-17
EW12-080818-L		GW		8/8/18	11:25	3	VOCs V8260LL 40mlAmb-HCl		-18
D17dg-080818		GW		8/8/18	11:30	3	VOCs V8260LL 40mlAmb-HCl		-19
D17ds-080818		GW		8/8/18	11:35	3	VOCs V8260LL 40mlAmb-HCl		-20

* 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 # **4492 6217 8304**

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 IF Applicable
 VOA Zero HeadSpace: Y N
 Preservation Correct/Checked: Y N

Relinquished by: (Signature) <i>Pat Yaden</i>	Date: 8/8/18	Time: 13:30	Received by: (Signature) Fed EX	Trip Blank Received: Yes/No <input checked="" type="checkbox"/> No	Temp: °C 4.2	Bottles Received: 84	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received:		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>Hanno</i>	Date: 8/9/18	Time: 0845	Hold:	

Condition:
NCF / OK

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Lab Project #
CASCORFOR-PNG0564

P.O. #

Quote #

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

Date Results Needed

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3



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L# **1016199**

Table #

Acctnum: **CASCORFOR**
Template: **T138629**

Prelogin: **P663642**

TSR: **110 - Brian Ford**

PB: **MB 7/20/18**

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs	Analysis	Container	Preservative	Remarks	Sample # (lab only)
EW8-080818-U		GW		8/8/18	11:50	3	X					-21
EW8-080818-L		GW		8/8/18	12:00	3	X					-22
MW17ds-080818		GW		8/8/18	12:15	3	X					-23
MW17ds-080818-DWP		GW		8/8/18	12:16	3	X					24
EW1-080818		GW		8/8/18	12:20	3	X					25
EW2-080818		GW		8/8/18	12:25	3	X					26
EW14-080818		GW		8/8/18	12:30	3	X					27
EW23-080818		GW		8/8/18	12:35	3	X					28
TRIP BLANK LOT#404		GW		5/29/18	N/A	1	X					29

* 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 # **4492 6217 8204**

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N

Relinquished by: (Signature) <i>Pat Yoh</i>	Date: 8/8/18	Time: 13:30	Received by: (Signature) Fed EX	Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCL/MeOH TBR	Temp: °C 4.2	Bottles Received: 84	4.5 MR/HR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received:	If preservation required by Login: Date/Time	Condition: NCF / OK
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>Blanca</i>	Date: 8/9/18	Time: 0845	Hold:	Condition: NCF / OK