

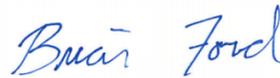
February 12, 2019

Cascade Corporation- Fairview, OR

Sample Delivery Group: L1067718
Samples Received: 02/07/2019
Project Number:
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.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
EW16-020519 L1067718-01	7
EW23-020519 L1067718-02	9
EW14-020519 L1067718-03	11
EW2-020519 L1067718-04	13
EW1-020519 L1067718-05	15
VMWA-020519 L1067718-06	17
VMWB-020519 L1067718-07	19
VMWC-020519 L1067718-08	21
VMWD-020519 L1067718-09	23
CMW17DS-020519 L1067718-10	25
CMW17DS-020519-DUP L1067718-11	27
D17DG-020619 L1067718-12	29
D17DS-020619 L1067718-13	31
EW12-020619-L L1067718-14	33
CMW18DS-020619 L1067718-15	35
CMW14RDS-020619 L1067718-16	37
CMW26DG-020619 L1067718-17	39
CMW36DG-020619 L1067718-18	41
CMW25DG-020619 L1067718-19	43
CMW24DG-020619-L L1067718-20	45
CMW19DS-020619 L1067718-21	47
CMW10DS-020619 L1067718-22	49
PWB-1(LTS)-020619 L1067718-23	51
TRIP BLANK LOT #414 L1067718-24	53
Qc: Quality Control Summary	55
Volatile Organic Compounds (GC/MS) by Method 8260B	55
Gl: Glossary of Terms	63
Al: Accreditations & Locations	64
Sc: Sample Chain of Custody	65

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

SAMPLE SUMMARY



EW16-020519 L1067718-01 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 21:56	02/07/19 21:56	JCP

Collected by DT	Collected date/time 02/05/19 14:40	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

EW23-020519 L1067718-02 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 22:15	02/07/19 22:15	JCP

Collected by DT	Collected date/time 02/05/19 10:30	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

EW14-020519 L1067718-03 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 22:35	02/07/19 22:35	JCP

Collected by DT	Collected date/time 02/05/19 10:45	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

EW2-020519 L1067718-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 22:54	02/07/19 22:54	JCP

Collected by DT	Collected date/time 02/05/19 11:00	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

EW1-020519 L1067718-05 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 23:13	02/07/19 23:13	JCP

Collected by DT	Collected date/time 02/05/19 12:20	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

VMWA-020519 L1067718-06 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 23:32	02/07/19 23:32	JCP

Collected by DT	Collected date/time 02/05/19 12:45	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

VMWB-020519 L1067718-07 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/07/19 23:52	02/07/19 23:52	JCP

Collected by DT	Collected date/time 02/05/19 13:15	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

VMWC-020519 L1067718-08 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 00:12	02/08/19 00:12	JCP

Collected by DT	Collected date/time 02/05/19 12:04	Received date/time 02/07/19 08:50
--------------------	---------------------------------------	--------------------------------------

SAMPLE SUMMARY



VMWD-020519 L1067718-09 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 00:32	02/08/19 00:32	JCP

Collected by DT Collected date/time 02/05/19 13:40 Received date/time 02/07/19 08:50

1 Cp

2 Tc

CMW17DS-020519 L1067718-10 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 00:51	02/08/19 00:51	JCP

Collected by DT Collected date/time 02/05/19 14:15 Received date/time 02/07/19 08:50

3 Ss

4 Cn

5 Sr

CMW17DS-020519-DUP L1067718-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 01:11	02/08/19 01:11	JCP

Collected by DT Collected date/time 02/05/19 14:16 Received date/time 02/07/19 08:50

6 Qc

7 Gl

8 Al

D17DG-020619 L1067718-12 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 01:31	02/08/19 01:31	JCP

Collected by DT Collected date/time 02/06/19 08:40 Received date/time 02/07/19 08:50

9 Sc

D17DS-020619 L1067718-13 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 01:50	02/08/19 01:50	JCP

Collected by DT Collected date/time 02/06/19 09:00 Received date/time 02/07/19 08:50

EW12-020619-L L1067718-14 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 02:10	02/08/19 02:10	JCP

Collected by DT Collected date/time 02/06/19 09:40 Received date/time 02/07/19 08:50

CMW18DS-020619 L1067718-15 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 02:30	02/08/19 02:30	JCP

Collected by DT Collected date/time 02/06/19 10:05 Received date/time 02/07/19 08:50

CMW14RDS-020619 L1067718-16 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 02:50	02/08/19 02:50	JCP

Collected by DT Collected date/time 02/06/19 10:20 Received date/time 02/07/19 08:50

SAMPLE SUMMARY



CMW26DG-020619 L1067718-17 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 03:10	02/08/19 03:10	JCP

Collected by DT
 Collected date/time 02/06/19 11:20
 Received date/time 02/07/19 08:50

1 Cp

2 Tc

CMW36DG-020619 L1067718-18 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 03:30	02/08/19 03:30	JCP

Collected by DT
 Collected date/time 02/06/19 10:55
 Received date/time 02/07/19 08:50

3 Ss

4 Cn

CMW25DG-020619 L1067718-19 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 03:50	02/08/19 03:50	JCP

Collected by DT
 Collected date/time 02/06/19 11:55
 Received date/time 02/07/19 08:50

5 Sr

6 Qc

CMW24DG-020619-L L1067718-20 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234172	1	02/08/19 04:10	02/08/19 04:10	JCP

Collected by DT
 Collected date/time 02/06/19 12:15
 Received date/time 02/07/19 08:50

7 Gl

8 Al

CMW19DS-020619 L1067718-21 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234087	1	02/07/19 19:03	02/07/19 19:03	TJJ

Collected by DT
 Collected date/time 02/06/19 12:40
 Received date/time 02/07/19 08:50

9 Sc

CMW10DS-020619 L1067718-22 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234087	1	02/07/19 19:23	02/07/19 19:23	TJJ

Collected by DT
 Collected date/time 02/06/19 13:20
 Received date/time 02/07/19 08:50

PWB-1(LTS)-020619 L1067718-23 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234087	1	02/07/19 19:43	02/07/19 19:43	TJJ

Collected by DT
 Collected date/time 02/06/19 15:20
 Received date/time 02/07/19 08:50

TRIP BLANK LOT #414 L1067718-24 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1234087	1	02/07/19 17:02	02/07/19 17:02	TJJ

Collected by DT
 Collected date/time 02/06/19 00:00
 Received date/time 02/07/19 08:50



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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	48.4		25.0	1	02/07/2019 21:56	WG1234172
Acrolein	ND		50.0	1	02/07/2019 21:56	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 21:56	WG1234172
Benzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 21:56	WG1234172
Bromoform	ND		0.500	1	02/07/2019 21:56	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 21:56	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 21:56	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 21:56	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 21:56	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 21:56	WG1234172
Chloroform	ND		0.500	1	02/07/2019 21:56	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 21:56	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 21:56	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 21:56	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 21:56	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 21:56	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 21:56	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 21:56	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 21:56	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 21:56	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 21:56	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 21:56	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 21:56	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 21:56	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 21:56	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 21:56	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 21:56	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 21:56	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 21:56	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 21:56	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Styrene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
Tetrachloroethene	ND		0.500	1	02/07/2019 21:56	WG1234172
Toluene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 21:56	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/19 14:40

L1067718

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	02/07/2019 21:56	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 21:56	WG1234172
Trichloroethene	ND		0.500	1	02/07/2019 21:56	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 21:56	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 21:56	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 21:56	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 21:56	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 21:56	WG1234172
(S) Toluene-d8	104		80.0-120		02/07/2019 21:56	WG1234172
(S) 4-Bromofluorobenzene	108		77.0-126		02/07/2019 21:56	WG1234172
(S) 1,2-Dichloroethane-d4	99.8		70.0-130		02/07/2019 21:56	WG1234172

1 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	02/07/2019 22:15	WG1234172
Acrolein	ND		50.0	1	02/07/2019 22:15	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 22:15	WG1234172
Benzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 22:15	WG1234172
Bromoform	ND		0.500	1	02/07/2019 22:15	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 22:15	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 22:15	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 22:15	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 22:15	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 22:15	WG1234172
Chloroform	0.567		0.500	1	02/07/2019 22:15	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 22:15	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 22:15	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 22:15	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 22:15	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 22:15	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 22:15	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 22:15	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 22:15	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:15	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:15	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 22:15	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 22:15	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 22:15	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 22:15	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 22:15	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 22:15	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 22:15	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 22:15	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 22:15	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Styrene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
Tetrachloroethene	ND		0.500	1	02/07/2019 22:15	WG1234172
Toluene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 22:15	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/19 10:30

L1067718

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	02/07/2019 22:15	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 22:15	WG1234172
Trichloroethene	1.72		0.500	1	02/07/2019 22:15	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 22:15	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 22:15	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 22:15	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 22:15	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 22:15	WG1234172
(S) Toluene-d8	101		80.0-120		02/07/2019 22:15	WG1234172
(S) 4-Bromofluorobenzene	104		77.0-126		02/07/2019 22:15	WG1234172
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/07/2019 22:15	WG1234172

1 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	02/07/2019 22:35	WG1234172
Acrolein	ND		50.0	1	02/07/2019 22:35	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 22:35	WG1234172
Benzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 22:35	WG1234172
Bromoform	ND		0.500	1	02/07/2019 22:35	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 22:35	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 22:35	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 22:35	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 22:35	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 22:35	WG1234172
Chloroform	ND		0.500	1	02/07/2019 22:35	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 22:35	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 22:35	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 22:35	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 22:35	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 22:35	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 22:35	WG1234172
cis-1,2-Dichloroethene	1.29		0.500	1	02/07/2019 22:35	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 22:35	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:35	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:35	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 22:35	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 22:35	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 22:35	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 22:35	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 22:35	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 22:35	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 22:35	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 22:35	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 22:35	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Styrene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
Tetrachloroethene	0.613		0.500	1	02/07/2019 22:35	WG1234172
Toluene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 22:35	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/19 10:45

L1067718

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	02/07/2019 22:35	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 22:35	WG1234172
Trichloroethene	8.19		0.500	1	02/07/2019 22:35	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 22:35	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 22:35	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 22:35	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 22:35	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 22:35	WG1234172
(S) Toluene-d8	103		80.0-120		02/07/2019 22:35	WG1234172
(S) 4-Bromofluorobenzene	108		77.0-126		02/07/2019 22:35	WG1234172
(S) 1,2-Dichloroethane-d4	104		70.0-130		02/07/2019 22:35	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/19 11:00

L1067718

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	02/07/2019 22:54	WG1234172
Acrolein	ND		50.0	1	02/07/2019 22:54	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 22:54	WG1234172
Benzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 22:54	WG1234172
Bromoform	ND		0.500	1	02/07/2019 22:54	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 22:54	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 22:54	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 22:54	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 22:54	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 22:54	WG1234172
Chloroform	0.505		0.500	1	02/07/2019 22:54	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 22:54	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 22:54	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 22:54	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 22:54	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 22:54	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 22:54	WG1234172
cis-1,2-Dichloroethene	1.55		0.500	1	02/07/2019 22:54	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 22:54	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:54	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 22:54	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 22:54	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 22:54	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 22:54	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 22:54	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 22:54	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 22:54	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 22:54	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 22:54	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 22:54	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Styrene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
Tetrachloroethene	0.921		0.500	1	02/07/2019 22:54	WG1234172
Toluene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 22:54	WG1234172

1 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	02/07/2019 22:54	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 22:54	WG1234172
Trichloroethene	12.0		0.500	1	02/07/2019 22:54	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 22:54	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 22:54	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 22:54	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 22:54	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 22:54	WG1234172
(S) Toluene-d8	103		80.0-120		02/07/2019 22:54	WG1234172
(S) 4-Bromofluorobenzene	106		77.0-126		02/07/2019 22:54	WG1234172
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/07/2019 22:54	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/05/19 12:20

L1067718

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	02/07/2019 23:13	WG1234172
Acrolein	ND		50.0	1	02/07/2019 23:13	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 23:13	WG1234172
Benzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 23:13	WG1234172
Bromoform	ND		0.500	1	02/07/2019 23:13	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 23:13	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 23:13	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 23:13	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 23:13	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 23:13	WG1234172
Chloroform	ND		0.500	1	02/07/2019 23:13	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 23:13	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 23:13	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 23:13	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 23:13	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 23:13	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 23:13	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 23:13	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 23:13	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:13	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:13	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 23:13	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 23:13	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 23:13	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 23:13	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 23:13	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 23:13	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 23:13	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 23:13	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 23:13	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Styrene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
Tetrachloroethene	ND		0.500	1	02/07/2019 23:13	WG1234172
Toluene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 23:13	WG1234172

1 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	02/07/2019 23:13	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 23:13	WG1234172
Trichloroethene	ND		0.500	1	02/07/2019 23:13	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 23:13	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 23:13	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 23:13	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 23:13	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 23:13	WG1234172
(S) Toluene-d8	101		80.0-120		02/07/2019 23:13	WG1234172
(S) 4-Bromofluorobenzene	103		77.0-126		02/07/2019 23:13	WG1234172
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/07/2019 23:13	WG1234172

- 1 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	45.2		25.0	1	02/07/2019 23:32	WG1234172
Acrolein	ND		50.0	1	02/07/2019 23:32	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 23:32	WG1234172
Benzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 23:32	WG1234172
Bromoform	ND		0.500	1	02/07/2019 23:32	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 23:32	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 23:32	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 23:32	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 23:32	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 23:32	WG1234172
Chloroform	ND		0.500	1	02/07/2019 23:32	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 23:32	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 23:32	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 23:32	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 23:32	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 23:32	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 23:32	WG1234172
cis-1,2-Dichloroethene	0.959		0.500	1	02/07/2019 23:32	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 23:32	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:32	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:32	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 23:32	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 23:32	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 23:32	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 23:32	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 23:32	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 23:32	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 23:32	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 23:32	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 23:32	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Styrene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
Tetrachloroethene	ND		0.500	1	02/07/2019 23:32	WG1234172
Toluene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 23:32	WG1234172

1 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	02/07/2019 23:32	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 23:32	WG1234172
Trichloroethene	5.98		0.500	1	02/07/2019 23:32	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 23:32	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 23:32	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 23:32	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 23:32	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 23:32	WG1234172
(S) Toluene-d8	101		80.0-120		02/07/2019 23:32	WG1234172
(S) 4-Bromofluorobenzene	103		77.0-126		02/07/2019 23:32	WG1234172
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/07/2019 23:32	WG1234172

1 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	50.8		25.0	1	02/07/2019 23:52	WG1234172
Acrolein	ND		50.0	1	02/07/2019 23:52	WG1234172
Acrylonitrile	ND		5.00	1	02/07/2019 23:52	WG1234172
Benzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Bromobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Bromodichloromethane	ND		0.500	1	02/07/2019 23:52	WG1234172
Bromoform	ND		0.500	1	02/07/2019 23:52	WG1234172
Bromomethane	ND		2.50	1	02/07/2019 23:52	WG1234172
n-Butylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
sec-Butylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
tert-Butylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Carbon disulfide	ND		0.500	1	02/07/2019 23:52	WG1234172
Carbon tetrachloride	ND		0.500	1	02/07/2019 23:52	WG1234172
Chlorobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Chlorodibromomethane	ND		0.500	1	02/07/2019 23:52	WG1234172
Chloroethane	ND		2.50	1	02/07/2019 23:52	WG1234172
Chloroform	ND		0.500	1	02/07/2019 23:52	WG1234172
Chloromethane	ND		1.25	1	02/07/2019 23:52	WG1234172
2-Chlorotoluene	ND		0.500	1	02/07/2019 23:52	WG1234172
4-Chlorotoluene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 23:52	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/07/2019 23:52	WG1234172
Dibromomethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 23:52	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/07/2019 23:52	WG1234172
cis-1,2-Dichloroethene	3.82		0.500	1	02/07/2019 23:52	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/07/2019 23:52	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:52	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 23:52	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/07/2019 23:52	WG1234172
Di-isopropyl ether	ND		0.500	1	02/07/2019 23:52	WG1234172
Ethylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 23:52	WG1234172
Isopropylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/07/2019 23:52	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/07/2019 23:52	WG1234172
Methylene Chloride	ND		2.50	1	02/07/2019 23:52	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 23:52	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 23:52	WG1234172
Naphthalene	ND		2.50	1	02/07/2019 23:52	WG1234172
n-Propylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Styrene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
Tetrachloroethene	1.02		0.500	1	02/07/2019 23:52	WG1234172
Toluene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 23:52	WG1234172

1 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	02/07/2019 23:52	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 23:52	WG1234172
Trichloroethene	21.5		0.500	1	02/07/2019 23:52	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/07/2019 23:52	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 23:52	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 23:52	WG1234172
Vinyl chloride	ND		0.500	1	02/07/2019 23:52	WG1234172
Xylenes, Total	ND		1.50	1	02/07/2019 23:52	WG1234172
(S) Toluene-d8	100		80.0-120		02/07/2019 23:52	WG1234172
(S) 4-Bromofluorobenzene	102		77.0-126		02/07/2019 23:52	WG1234172
(S) 1,2-Dichloroethane-d4	100		70.0-130		02/07/2019 23:52	WG1234172

1 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	69.2		25.0	1	02/08/2019 00:12	WG1234172
Acrolein	ND		50.0	1	02/08/2019 00:12	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 00:12	WG1234172
Benzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 00:12	WG1234172
Bromoform	ND		0.500	1	02/08/2019 00:12	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 00:12	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 00:12	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 00:12	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 00:12	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 00:12	WG1234172
Chloroform	ND		0.500	1	02/08/2019 00:12	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 00:12	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 00:12	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 00:12	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 00:12	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 00:12	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 00:12	WG1234172
cis-1,2-Dichloroethene	3.15		0.500	1	02/08/2019 00:12	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 00:12	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:12	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:12	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 00:12	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 00:12	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 00:12	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 00:12	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 00:12	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 00:12	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 00:12	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 00:12	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 00:12	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Styrene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
Tetrachloroethene	1.01		0.500	1	02/08/2019 00:12	WG1234172
Toluene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 00:12	WG1234172

1 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	02/08/2019 00:12	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 00:12	WG1234172
Trichloroethene	30.7		0.500	1	02/08/2019 00:12	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 00:12	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 00:12	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 00:12	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 00:12	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 00:12	WG1234172
(S) Toluene-d8	101		80.0-120		02/08/2019 00:12	WG1234172
(S) 4-Bromofluorobenzene	104		77.0-126		02/08/2019 00:12	WG1234172
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/08/2019 00:12	WG1234172

- 1 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	36.9		25.0	1	02/08/2019 00:32	WG1234172
Acrolein	ND		50.0	1	02/08/2019 00:32	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 00:32	WG1234172
Benzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 00:32	WG1234172
Bromoform	ND		0.500	1	02/08/2019 00:32	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 00:32	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 00:32	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 00:32	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 00:32	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 00:32	WG1234172
Chloroform	ND		0.500	1	02/08/2019 00:32	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 00:32	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 00:32	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 00:32	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 00:32	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 00:32	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 00:32	WG1234172
cis-1,2-Dichloroethene	3.89		0.500	1	02/08/2019 00:32	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 00:32	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:32	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:32	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 00:32	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 00:32	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 00:32	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 00:32	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 00:32	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 00:32	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 00:32	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 00:32	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 00:32	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Styrene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
Tetrachloroethene	0.893		0.500	1	02/08/2019 00:32	WG1234172
Toluene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 00:32	WG1234172

1 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	02/08/2019 00:32	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 00:32	WG1234172
Trichloroethene	20.4		0.500	1	02/08/2019 00:32	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 00:32	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 00:32	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 00:32	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 00:32	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 00:32	WG1234172
(S) Toluene-d8	106		80.0-120		02/08/2019 00:32	WG1234172
(S) 4-Bromofluorobenzene	107		77.0-126		02/08/2019 00:32	WG1234172
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/08/2019 00:32	WG1234172

1 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	52.9		25.0	1	02/08/2019 00:51	WG1234172
Acrolein	ND		50.0	1	02/08/2019 00:51	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 00:51	WG1234172
Benzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 00:51	WG1234172
Bromoform	ND		0.500	1	02/08/2019 00:51	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 00:51	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 00:51	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 00:51	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 00:51	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 00:51	WG1234172
Chloroform	0.884		0.500	1	02/08/2019 00:51	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 00:51	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 00:51	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 00:51	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 00:51	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 00:51	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 00:51	WG1234172
cis-1,2-Dichloroethene	6.99		0.500	1	02/08/2019 00:51	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 00:51	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:51	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 00:51	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 00:51	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 00:51	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 00:51	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 00:51	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 00:51	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 00:51	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 00:51	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 00:51	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 00:51	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Styrene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
Tetrachloroethene	1.85		0.500	1	02/08/2019 00:51	WG1234172
Toluene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 00:51	WG1234172

1 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	02/08/2019 00:51	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 00:51	WG1234172
Trichloroethene	44.1		0.500	1	02/08/2019 00:51	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 00:51	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 00:51	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 00:51	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 00:51	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 00:51	WG1234172
(S) Toluene-d8	99.5		80.0-120		02/08/2019 00:51	WG1234172
(S) 4-Bromofluorobenzene	101		77.0-126		02/08/2019 00:51	WG1234172
(S) 1,2-Dichloroethane-d4	99.7		70.0-130		02/08/2019 00:51	WG1234172

- 1 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	51.6		25.0	1	02/08/2019 01:11	WG1234172
Acrolein	ND		50.0	1	02/08/2019 01:11	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 01:11	WG1234172
Benzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 01:11	WG1234172
Bromoform	ND		0.500	1	02/08/2019 01:11	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 01:11	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 01:11	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 01:11	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 01:11	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 01:11	WG1234172
Chloroform	0.876		0.500	1	02/08/2019 01:11	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 01:11	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 01:11	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 01:11	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 01:11	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 01:11	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 01:11	WG1234172
cis-1,2-Dichloroethene	6.82		0.500	1	02/08/2019 01:11	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 01:11	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:11	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:11	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 01:11	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 01:11	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 01:11	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 01:11	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 01:11	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 01:11	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 01:11	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 01:11	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 01:11	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Styrene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
Tetrachloroethene	1.94		0.500	1	02/08/2019 01:11	WG1234172
Toluene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 01:11	WG1234172

1 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	02/08/2019 01:11	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 01:11	WG1234172
Trichloroethene	43.7		0.500	1	02/08/2019 01:11	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 01:11	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 01:11	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 01:11	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 01:11	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 01:11	WG1234172
(S) Toluene-d8	104		80.0-120		02/08/2019 01:11	WG1234172
(S) 4-Bromofluorobenzene	106		77.0-126		02/08/2019 01:11	WG1234172
(S) 1,2-Dichloroethane-d4	104		70.0-130		02/08/2019 01:11	WG1234172

- 1 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	39.0		25.0	1	02/08/2019 01:31	WG1234172
Acrolein	ND		50.0	1	02/08/2019 01:31	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 01:31	WG1234172
Benzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 01:31	WG1234172
Bromoform	ND		0.500	1	02/08/2019 01:31	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 01:31	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 01:31	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 01:31	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 01:31	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 01:31	WG1234172
Chloroform	ND		0.500	1	02/08/2019 01:31	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 01:31	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 01:31	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 01:31	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 01:31	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 01:31	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 01:31	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 01:31	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 01:31	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:31	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:31	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 01:31	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 01:31	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 01:31	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 01:31	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 01:31	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 01:31	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 01:31	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 01:31	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 01:31	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Styrene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 01:31	WG1234172
Toluene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 01:31	WG1234172

1 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	02/08/2019 01:31	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 01:31	WG1234172
Trichloroethene	1.13		0.500	1	02/08/2019 01:31	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 01:31	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 01:31	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 01:31	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 01:31	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 01:31	WG1234172
(S) Toluene-d8	104		80.0-120		02/08/2019 01:31	WG1234172
(S) 4-Bromofluorobenzene	106		77.0-126		02/08/2019 01:31	WG1234172
(S) 1,2-Dichloroethane-d4	104		70.0-130		02/08/2019 01:31	WG1234172

- 1 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	29.8		25.0	1	02/08/2019 01:50	WG1234172
Acrolein	ND		50.0	1	02/08/2019 01:50	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 01:50	WG1234172
Benzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 01:50	WG1234172
Bromoform	ND		0.500	1	02/08/2019 01:50	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 01:50	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 01:50	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 01:50	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 01:50	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 01:50	WG1234172
Chloroform	ND		0.500	1	02/08/2019 01:50	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 01:50	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 01:50	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 01:50	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 01:50	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 01:50	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 01:50	WG1234172
cis-1,2-Dichloroethene	12.1		0.500	1	02/08/2019 01:50	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 01:50	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:50	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 01:50	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 01:50	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 01:50	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 01:50	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 01:50	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 01:50	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 01:50	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 01:50	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 01:50	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 01:50	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Styrene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
Tetrachloroethene	1.59		0.500	1	02/08/2019 01:50	WG1234172
Toluene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 01:50	WG1234172

1 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	02/08/2019 01:50	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 01:50	WG1234172
Trichloroethene	53.7		0.500	1	02/08/2019 01:50	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 01:50	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 01:50	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 01:50	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 01:50	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 01:50	WG1234172
(S) Toluene-d8	103		80.0-120		02/08/2019 01:50	WG1234172
(S) 4-Bromofluorobenzene	104		77.0-126		02/08/2019 01:50	WG1234172
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/08/2019 01:50	WG1234172

- 1
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	02/08/2019 02:10	WG1234172
Acrolein	ND		50.0	1	02/08/2019 02:10	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 02:10	WG1234172
Benzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 02:10	WG1234172
Bromoform	ND		0.500	1	02/08/2019 02:10	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 02:10	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 02:10	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 02:10	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 02:10	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 02:10	WG1234172
Chloroform	ND		0.500	1	02/08/2019 02:10	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 02:10	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 02:10	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 02:10	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 02:10	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 02:10	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 02:10	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 02:10	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 02:10	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:10	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:10	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 02:10	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 02:10	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 02:10	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 02:10	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 02:10	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 02:10	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 02:10	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 02:10	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 02:10	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172
Styrene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 02:10	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 02:10	WG1234172
Toluene	ND		0.500	1	02/08/2019 02:10	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 02:10	WG1234172

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/06/19 09:40

L1067718

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	02/08/2019 02:10	WG1234172	¹ Cp
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172	² Tc
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 02:10	WG1234172	³ Ss
Trichloroethene	2.09		0.500	1	02/08/2019 02:10	WG1234172	⁴ Cn
Trichlorofluoromethane	ND		2.50	1	02/08/2019 02:10	WG1234172	⁵ Sr
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 02:10	WG1234172	⁶ Qc
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172	⁷ Gl
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172	⁸ Al
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 02:10	WG1234172	⁹ Sc
Vinyl chloride	ND		0.500	1	02/08/2019 02:10	WG1234172	
Xylenes, Total	ND		1.50	1	02/08/2019 02:10	WG1234172	
(S) Toluene-d8	103		80.0-120		02/08/2019 02:10	WG1234172	
(S) 4-Bromofluorobenzene	106		77.0-126		02/08/2019 02:10	WG1234172	
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/08/2019 02:10	WG1234172	



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	33.6		25.0	1	02/08/2019 02:30	WG1234172
Acrolein	ND		50.0	1	02/08/2019 02:30	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 02:30	WG1234172
Benzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 02:30	WG1234172
Bromoform	ND		0.500	1	02/08/2019 02:30	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 02:30	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 02:30	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 02:30	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 02:30	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 02:30	WG1234172
Chloroform	ND		0.500	1	02/08/2019 02:30	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 02:30	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 02:30	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 02:30	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 02:30	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 02:30	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 02:30	WG1234172
cis-1,2-Dichloroethene	15.9		0.500	1	02/08/2019 02:30	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 02:30	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:30	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:30	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 02:30	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 02:30	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 02:30	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 02:30	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 02:30	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 02:30	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 02:30	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 02:30	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 02:30	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Styrene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
Tetrachloroethene	3.75		0.500	1	02/08/2019 02:30	WG1234172
Toluene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 02:30	WG1234172

1 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	02/08/2019 02:30	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 02:30	WG1234172
Trichloroethene	94.3		0.500	1	02/08/2019 02:30	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 02:30	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 02:30	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 02:30	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 02:30	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 02:30	WG1234172
(S) Toluene-d8	103		80.0-120		02/08/2019 02:30	WG1234172
(S) 4-Bromofluorobenzene	106		77.0-126		02/08/2019 02:30	WG1234172
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/08/2019 02:30	WG1234172

- 1 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	02/08/2019 02:50	WG1234172
Acrolein	ND		50.0	1	02/08/2019 02:50	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 02:50	WG1234172
Benzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 02:50	WG1234172
Bromoform	ND		0.500	1	02/08/2019 02:50	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 02:50	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 02:50	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 02:50	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 02:50	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 02:50	WG1234172
Chloroform	2.34		0.500	1	02/08/2019 02:50	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 02:50	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 02:50	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 02:50	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 02:50	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 02:50	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 02:50	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 02:50	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 02:50	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:50	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 02:50	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 02:50	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 02:50	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 02:50	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 02:50	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 02:50	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 02:50	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 02:50	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 02:50	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 02:50	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Styrene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 02:50	WG1234172
Toluene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 02:50	WG1234172

1 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	02/08/2019 02:50	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 02:50	WG1234172
Trichloroethene	ND		0.500	1	02/08/2019 02:50	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 02:50	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 02:50	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 02:50	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 02:50	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 02:50	WG1234172
(S) Toluene-d8	101		80.0-120		02/08/2019 02:50	WG1234172
(S) 4-Bromofluorobenzene	102		77.0-126		02/08/2019 02:50	WG1234172
(S) 1,2-Dichloroethane-d4	99.3		70.0-130		02/08/2019 02:50	WG1234172

- 1 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	02/08/2019 03:10	WG1234172
Acrolein	ND		50.0	1	02/08/2019 03:10	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 03:10	WG1234172
Benzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 03:10	WG1234172
Bromoform	ND		0.500	1	02/08/2019 03:10	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 03:10	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 03:10	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 03:10	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 03:10	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 03:10	WG1234172
Chloroform	ND		0.500	1	02/08/2019 03:10	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 03:10	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 03:10	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 03:10	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 03:10	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 03:10	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 03:10	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:10	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 03:10	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:10	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:10	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 03:10	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 03:10	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 03:10	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 03:10	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 03:10	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 03:10	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 03:10	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 03:10	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 03:10	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Styrene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
Tetrachloroethene	0.530		0.500	1	02/08/2019 03:10	WG1234172
Toluene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 03:10	WG1234172

1 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	02/08/2019 03:10	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 03:10	WG1234172
Trichloroethene	6.51		0.500	1	02/08/2019 03:10	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 03:10	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 03:10	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 03:10	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 03:10	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 03:10	WG1234172
(S) Toluene-d8	104		80.0-120		02/08/2019 03:10	WG1234172
(S) 4-Bromofluorobenzene	102		77.0-126		02/08/2019 03:10	WG1234172
(S) 1,2-Dichloroethane-d4	99.2		70.0-130		02/08/2019 03:10	WG1234172

- 1 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	40.6		25.0	1	02/08/2019 03:30	WG1234172
Acrolein	ND		50.0	1	02/08/2019 03:30	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 03:30	WG1234172
Benzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 03:30	WG1234172
Bromoform	ND		0.500	1	02/08/2019 03:30	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 03:30	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 03:30	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 03:30	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 03:30	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 03:30	WG1234172
Chloroform	ND		0.500	1	02/08/2019 03:30	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 03:30	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 03:30	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 03:30	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 03:30	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 03:30	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 03:30	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:30	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 03:30	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:30	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:30	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 03:30	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 03:30	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 03:30	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 03:30	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 03:30	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 03:30	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 03:30	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 03:30	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 03:30	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Styrene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 03:30	WG1234172
Toluene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 03:30	WG1234172

1 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	02/08/2019 03:30	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 03:30	WG1234172
Trichloroethene	ND		0.500	1	02/08/2019 03:30	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 03:30	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 03:30	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 03:30	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 03:30	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 03:30	WG1234172
(S) Toluene-d8	103		80.0-120		02/08/2019 03:30	WG1234172
(S) 4-Bromofluorobenzene	105		77.0-126		02/08/2019 03:30	WG1234172
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/08/2019 03:30	WG1234172

1 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	02/08/2019 03:50	WG1234172
Acrolein	ND		50.0	1	02/08/2019 03:50	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 03:50	WG1234172
Benzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 03:50	WG1234172
Bromoform	ND		0.500	1	02/08/2019 03:50	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 03:50	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 03:50	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 03:50	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 03:50	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 03:50	WG1234172
Chloroform	ND		0.500	1	02/08/2019 03:50	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 03:50	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 03:50	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 03:50	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 03:50	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 03:50	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 03:50	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:50	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 03:50	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:50	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 03:50	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 03:50	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 03:50	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 03:50	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 03:50	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 03:50	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 03:50	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 03:50	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 03:50	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 03:50	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Styrene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 03:50	WG1234172
Toluene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 03:50	WG1234172

1 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	02/08/2019 03:50	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 03:50	WG1234172
Trichloroethene	0.533		0.500	1	02/08/2019 03:50	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 03:50	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 03:50	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 03:50	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 03:50	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 03:50	WG1234172
(S) Toluene-d8	103		80.0-120		02/08/2019 03:50	WG1234172
(S) 4-Bromofluorobenzene	105		77.0-126		02/08/2019 03:50	WG1234172
(S) 1,2-Dichloroethane-d4	100		70.0-130		02/08/2019 03:50	WG1234172

1 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	02/08/2019 04:10	WG1234172
Acrolein	ND		50.0	1	02/08/2019 04:10	WG1234172
Acrylonitrile	ND		5.00	1	02/08/2019 04:10	WG1234172
Benzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Bromobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Bromodichloromethane	ND		0.500	1	02/08/2019 04:10	WG1234172
Bromoform	ND		0.500	1	02/08/2019 04:10	WG1234172
Bromomethane	ND		2.50	1	02/08/2019 04:10	WG1234172
n-Butylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
sec-Butylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
tert-Butylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Carbon disulfide	ND		0.500	1	02/08/2019 04:10	WG1234172
Carbon tetrachloride	ND		0.500	1	02/08/2019 04:10	WG1234172
Chlorobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Chlorodibromomethane	ND		0.500	1	02/08/2019 04:10	WG1234172
Chloroethane	ND		2.50	1	02/08/2019 04:10	WG1234172
Chloroform	ND		0.500	1	02/08/2019 04:10	WG1234172
Chloromethane	ND		1.25	1	02/08/2019 04:10	WG1234172
2-Chlorotoluene	ND		0.500	1	02/08/2019 04:10	WG1234172
4-Chlorotoluene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/08/2019 04:10	WG1234172
1,2-Dibromoethane	ND		0.500	1	02/08/2019 04:10	WG1234172
Dibromomethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2-Dichlorobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,3-Dichlorobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,4-Dichlorobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Dichlorodifluoromethane	ND		2.50	1	02/08/2019 04:10	WG1234172
1,1-Dichloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2-Dichloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1-Dichloroethene	ND		0.500	1	02/08/2019 04:10	WG1234172
cis-1,2-Dichloroethene	ND		0.500	1	02/08/2019 04:10	WG1234172
trans-1,2-Dichloroethene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2-Dichloropropane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1-Dichloropropene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,3-Dichloropropane	ND		1.00	1	02/08/2019 04:10	WG1234172
cis-1,3-Dichloropropene	ND		0.500	1	02/08/2019 04:10	WG1234172
trans-1,3-Dichloropropene	ND		0.500	1	02/08/2019 04:10	WG1234172
2,2-Dichloropropane	ND		0.500	1	02/08/2019 04:10	WG1234172
Di-isopropyl ether	ND		0.500	1	02/08/2019 04:10	WG1234172
Ethylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Hexachloro-1,3-butadiene	ND		1.00	1	02/08/2019 04:10	WG1234172
Isopropylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
p-Isopropyltoluene	ND		0.500	1	02/08/2019 04:10	WG1234172
2-Butanone (MEK)	ND		5.00	1	02/08/2019 04:10	WG1234172
Methylene Chloride	ND		2.50	1	02/08/2019 04:10	WG1234172
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/08/2019 04:10	WG1234172
Methyl tert-butyl ether	ND		0.500	1	02/08/2019 04:10	WG1234172
Naphthalene	ND		2.50	1	02/08/2019 04:10	WG1234172
n-Propylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Styrene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
Tetrachloroethene	ND		0.500	1	02/08/2019 04:10	WG1234172
Toluene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2,3-Trichlorobenzene	ND		0.500	1	02/08/2019 04:10	WG1234172

1 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	02/08/2019 04:10	WG1234172
1,1,1-Trichloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
1,1,2-Trichloroethane	ND		0.500	1	02/08/2019 04:10	WG1234172
Trichloroethene	ND		0.500	1	02/08/2019 04:10	WG1234172
Trichlorofluoromethane	ND		2.50	1	02/08/2019 04:10	WG1234172
1,2,3-Trichloropropane	ND		2.50	1	02/08/2019 04:10	WG1234172
1,2,4-Trimethylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,2,3-Trimethylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
1,3,5-Trimethylbenzene	ND		0.500	1	02/08/2019 04:10	WG1234172
Vinyl chloride	ND		0.500	1	02/08/2019 04:10	WG1234172
Xylenes, Total	ND		1.50	1	02/08/2019 04:10	WG1234172
(S) Toluene-d8	102		80.0-120		02/08/2019 04:10	WG1234172
(S) 4-Bromofluorobenzene	103		77.0-126		02/08/2019 04:10	WG1234172
(S) 1,2-Dichloroethane-d4	98.2		70.0-130		02/08/2019 04:10	WG1234172

1 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	42.6		25.0	1	02/07/2019 19:03	WG1234087
Acrolein	ND		50.0	1	02/07/2019 19:03	WG1234087
Acrylonitrile	ND		5.00	1	02/07/2019 19:03	WG1234087
Benzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Bromobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Bromodichloromethane	ND		0.500	1	02/07/2019 19:03	WG1234087
Bromoform	ND		0.500	1	02/07/2019 19:03	WG1234087
Bromomethane	ND		2.50	1	02/07/2019 19:03	WG1234087
n-Butylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
sec-Butylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
tert-Butylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Carbon disulfide	ND		0.500	1	02/07/2019 19:03	WG1234087
Carbon tetrachloride	ND		0.500	1	02/07/2019 19:03	WG1234087
Chlorobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Chlorodibromomethane	ND		0.500	1	02/07/2019 19:03	WG1234087
Chloroethane	ND		2.50	1	02/07/2019 19:03	WG1234087
Chloroform	ND		0.500	1	02/07/2019 19:03	WG1234087
Chloromethane	ND		1.25	1	02/07/2019 19:03	WG1234087
2-Chlorotoluene	ND		0.500	1	02/07/2019 19:03	WG1234087
4-Chlorotoluene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 19:03	WG1234087
1,2-Dibromoethane	ND		0.500	1	02/07/2019 19:03	WG1234087
Dibromomethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 19:03	WG1234087
1,1-Dichloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2-Dichloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1-Dichloroethene	ND		0.500	1	02/07/2019 19:03	WG1234087
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:03	WG1234087
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2-Dichloropropane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1-Dichloropropene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,3-Dichloropropane	ND		1.00	1	02/07/2019 19:03	WG1234087
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:03	WG1234087
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:03	WG1234087
2,2-Dichloropropane	ND		0.500	1	02/07/2019 19:03	WG1234087
Di-isopropyl ether	ND		0.500	1	02/07/2019 19:03	WG1234087
Ethylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 19:03	WG1234087
Isopropylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
p-Isopropyltoluene	ND		0.500	1	02/07/2019 19:03	WG1234087
2-Butanone (MEK)	ND		5.00	1	02/07/2019 19:03	WG1234087
Methylene Chloride	ND		2.50	1	02/07/2019 19:03	WG1234087
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 19:03	WG1234087
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 19:03	WG1234087
Naphthalene	ND		2.50	1	02/07/2019 19:03	WG1234087
n-Propylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Styrene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
Tetrachloroethene	ND		0.500	1	02/07/2019 19:03	WG1234087
Toluene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 19:03	WG1234087

1 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	02/07/2019 19:03	WG1234087
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 19:03	WG1234087
Trichloroethene	ND		0.500	1	02/07/2019 19:03	WG1234087
Trichlorofluoromethane	ND		2.50	1	02/07/2019 19:03	WG1234087
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 19:03	WG1234087
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 19:03	WG1234087
Vinyl chloride	ND		0.500	1	02/07/2019 19:03	WG1234087
Xylenes, Total	ND		1.50	1	02/07/2019 19:03	WG1234087
(S) Toluene-d8	98.1		80.0-120		02/07/2019 19:03	WG1234087
(S) 4-Bromofluorobenzene	97.2		77.0-126		02/07/2019 19:03	WG1234087
(S) 1,2-Dichloroethane-d4	101		70.0-130		02/07/2019 19:03	WG1234087

- 1 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	55.7		25.0	1	02/07/2019 19:23	WG1234087
Acrolein	ND		50.0	1	02/07/2019 19:23	WG1234087
Acrylonitrile	ND		5.00	1	02/07/2019 19:23	WG1234087
Benzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Bromobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Bromodichloromethane	ND		0.500	1	02/07/2019 19:23	WG1234087
Bromoform	ND		0.500	1	02/07/2019 19:23	WG1234087
Bromomethane	ND		2.50	1	02/07/2019 19:23	WG1234087
n-Butylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
sec-Butylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
tert-Butylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Carbon disulfide	ND		0.500	1	02/07/2019 19:23	WG1234087
Carbon tetrachloride	ND		0.500	1	02/07/2019 19:23	WG1234087
Chlorobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Chlorodibromomethane	ND		0.500	1	02/07/2019 19:23	WG1234087
Chloroethane	ND		2.50	1	02/07/2019 19:23	WG1234087
Chloroform	ND		0.500	1	02/07/2019 19:23	WG1234087
Chloromethane	ND		1.25	1	02/07/2019 19:23	WG1234087
2-Chlorotoluene	ND		0.500	1	02/07/2019 19:23	WG1234087
4-Chlorotoluene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 19:23	WG1234087
1,2-Dibromoethane	ND		0.500	1	02/07/2019 19:23	WG1234087
Dibromomethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 19:23	WG1234087
1,1-Dichloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2-Dichloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1-Dichloroethene	ND		0.500	1	02/07/2019 19:23	WG1234087
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:23	WG1234087
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2-Dichloropropane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1-Dichloropropene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,3-Dichloropropane	ND		1.00	1	02/07/2019 19:23	WG1234087
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:23	WG1234087
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:23	WG1234087
2,2-Dichloropropane	ND		0.500	1	02/07/2019 19:23	WG1234087
Di-isopropyl ether	ND		0.500	1	02/07/2019 19:23	WG1234087
Ethylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 19:23	WG1234087
Isopropylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
p-Isopropyltoluene	ND		0.500	1	02/07/2019 19:23	WG1234087
2-Butanone (MEK)	ND		5.00	1	02/07/2019 19:23	WG1234087
Methylene Chloride	ND		2.50	1	02/07/2019 19:23	WG1234087
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 19:23	WG1234087
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 19:23	WG1234087
Naphthalene	ND		2.50	1	02/07/2019 19:23	WG1234087
n-Propylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Styrene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
Tetrachloroethene	0.652		0.500	1	02/07/2019 19:23	WG1234087
Toluene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 19:23	WG1234087

1 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	02/07/2019 19:23	WG1234087
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 19:23	WG1234087
Trichloroethene	17.3		0.500	1	02/07/2019 19:23	WG1234087
Trichlorofluoromethane	ND		2.50	1	02/07/2019 19:23	WG1234087
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 19:23	WG1234087
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 19:23	WG1234087
Vinyl chloride	ND		0.500	1	02/07/2019 19:23	WG1234087
Xylenes, Total	ND		1.50	1	02/07/2019 19:23	WG1234087
(S) Toluene-d8	97.7		80.0-120		02/07/2019 19:23	WG1234087
(S) 4-Bromofluorobenzene	90.1		77.0-126		02/07/2019 19:23	WG1234087
(S) 1,2-Dichloroethane-d4	102		70.0-130		02/07/2019 19:23	WG1234087

1 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	02/07/2019 19:43	WG1234087
Acrolein	ND		50.0	1	02/07/2019 19:43	WG1234087
Acrylonitrile	ND		5.00	1	02/07/2019 19:43	WG1234087
Benzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Bromobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Bromodichloromethane	ND		0.500	1	02/07/2019 19:43	WG1234087
Bromoform	ND		0.500	1	02/07/2019 19:43	WG1234087
Bromomethane	ND		2.50	1	02/07/2019 19:43	WG1234087
n-Butylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
sec-Butylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
tert-Butylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Carbon disulfide	ND		0.500	1	02/07/2019 19:43	WG1234087
Carbon tetrachloride	ND		0.500	1	02/07/2019 19:43	WG1234087
Chlorobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Chlorodibromomethane	ND		0.500	1	02/07/2019 19:43	WG1234087
Chloroethane	ND		2.50	1	02/07/2019 19:43	WG1234087
Chloroform	ND		0.500	1	02/07/2019 19:43	WG1234087
Chloromethane	ND		1.25	1	02/07/2019 19:43	WG1234087
2-Chlorotoluene	ND		0.500	1	02/07/2019 19:43	WG1234087
4-Chlorotoluene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 19:43	WG1234087
1,2-Dibromoethane	ND		0.500	1	02/07/2019 19:43	WG1234087
Dibromomethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 19:43	WG1234087
1,1-Dichloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2-Dichloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1-Dichloroethene	ND		0.500	1	02/07/2019 19:43	WG1234087
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:43	WG1234087
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2-Dichloropropane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1-Dichloropropene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,3-Dichloropropane	ND		1.00	1	02/07/2019 19:43	WG1234087
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:43	WG1234087
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 19:43	WG1234087
2,2-Dichloropropane	ND		0.500	1	02/07/2019 19:43	WG1234087
Di-isopropyl ether	ND		0.500	1	02/07/2019 19:43	WG1234087
Ethylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 19:43	WG1234087
Isopropylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
p-Isopropyltoluene	ND		0.500	1	02/07/2019 19:43	WG1234087
2-Butanone (MEK)	ND		5.00	1	02/07/2019 19:43	WG1234087
Methylene Chloride	ND		2.50	1	02/07/2019 19:43	WG1234087
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 19:43	WG1234087
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 19:43	WG1234087
Naphthalene	ND		2.50	1	02/07/2019 19:43	WG1234087
n-Propylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Styrene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
Tetrachloroethene	ND		0.500	1	02/07/2019 19:43	WG1234087
Toluene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 19:43	WG1234087

1 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	02/07/2019 19:43	WG1234087
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 19:43	WG1234087
Trichloroethene	1.39		0.500	1	02/07/2019 19:43	WG1234087
Trichlorofluoromethane	ND		2.50	1	02/07/2019 19:43	WG1234087
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 19:43	WG1234087
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 19:43	WG1234087
Vinyl chloride	ND		0.500	1	02/07/2019 19:43	WG1234087
Xylenes, Total	ND		1.50	1	02/07/2019 19:43	WG1234087
(S) Toluene-d8	99.6		80.0-120		02/07/2019 19:43	WG1234087
(S) 4-Bromofluorobenzene	94.5		77.0-126		02/07/2019 19:43	WG1234087
(S) 1,2-Dichloroethane-d4	103		70.0-130		02/07/2019 19:43	WG1234087

1 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	02/07/2019 17:02	WG1234087
Acrolein	ND		50.0	1	02/07/2019 17:02	WG1234087
Acrylonitrile	ND		5.00	1	02/07/2019 17:02	WG1234087
Benzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Bromobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Bromodichloromethane	ND		0.500	1	02/07/2019 17:02	WG1234087
Bromoform	ND		0.500	1	02/07/2019 17:02	WG1234087
Bromomethane	ND		2.50	1	02/07/2019 17:02	WG1234087
n-Butylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
sec-Butylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
tert-Butylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Carbon disulfide	ND		0.500	1	02/07/2019 17:02	WG1234087
Carbon tetrachloride	ND		0.500	1	02/07/2019 17:02	WG1234087
Chlorobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Chlorodibromomethane	ND		0.500	1	02/07/2019 17:02	WG1234087
Chloroethane	ND		2.50	1	02/07/2019 17:02	WG1234087
Chloroform	ND		0.500	1	02/07/2019 17:02	WG1234087
Chloromethane	ND		1.25	1	02/07/2019 17:02	WG1234087
2-Chlorotoluene	ND		0.500	1	02/07/2019 17:02	WG1234087
4-Chlorotoluene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2-Dibromo-3-Chloropropane	ND		2.50	1	02/07/2019 17:02	WG1234087
1,2-Dibromoethane	ND		0.500	1	02/07/2019 17:02	WG1234087
Dibromomethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2-Dichlorobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,3-Dichlorobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,4-Dichlorobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Dichlorodifluoromethane	ND		2.50	1	02/07/2019 17:02	WG1234087
1,1-Dichloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2-Dichloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1-Dichloroethene	ND		0.500	1	02/07/2019 17:02	WG1234087
cis-1,2-Dichloroethene	ND		0.500	1	02/07/2019 17:02	WG1234087
trans-1,2-Dichloroethene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2-Dichloropropane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1-Dichloropropene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,3-Dichloropropane	ND		1.00	1	02/07/2019 17:02	WG1234087
cis-1,3-Dichloropropene	ND		0.500	1	02/07/2019 17:02	WG1234087
trans-1,3-Dichloropropene	ND		0.500	1	02/07/2019 17:02	WG1234087
2,2-Dichloropropane	ND		0.500	1	02/07/2019 17:02	WG1234087
Di-isopropyl ether	ND		0.500	1	02/07/2019 17:02	WG1234087
Ethylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Hexachloro-1,3-butadiene	ND		1.00	1	02/07/2019 17:02	WG1234087
Isopropylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
p-Isopropyltoluene	ND		0.500	1	02/07/2019 17:02	WG1234087
2-Butanone (MEK)	ND		5.00	1	02/07/2019 17:02	WG1234087
Methylene Chloride	ND		2.50	1	02/07/2019 17:02	WG1234087
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	02/07/2019 17:02	WG1234087
Methyl tert-butyl ether	ND		0.500	1	02/07/2019 17:02	WG1234087
Naphthalene	ND		2.50	1	02/07/2019 17:02	WG1234087
n-Propylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Styrene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1,1,2-Tetrachloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1,2,2-Tetrachloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
Tetrachloroethene	ND		0.500	1	02/07/2019 17:02	WG1234087
Toluene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2,3-Trichlorobenzene	ND		0.500	1	02/07/2019 17:02	WG1234087

1 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	02/07/2019 17:02	WG1234087
1,1,1-Trichloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
1,1,2-Trichloroethane	ND		0.500	1	02/07/2019 17:02	WG1234087
Trichloroethene	ND		0.500	1	02/07/2019 17:02	WG1234087
Trichlorofluoromethane	ND		2.50	1	02/07/2019 17:02	WG1234087
1,2,3-Trichloropropane	ND		2.50	1	02/07/2019 17:02	WG1234087
1,2,4-Trimethylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,2,3-Trimethylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
1,3,5-Trimethylbenzene	ND		0.500	1	02/07/2019 17:02	WG1234087
Vinyl chloride	ND		0.500	1	02/07/2019 17:02	WG1234087
Xylenes, Total	ND		1.50	1	02/07/2019 17:02	WG1234087
(S) Toluene-d8	97.0		80.0-120		02/07/2019 17:02	WG1234087
(S) 4-Bromofluorobenzene	96.0		77.0-126		02/07/2019 17:02	WG1234087
(S) 1,2-Dichloroethane-d4	99.2		70.0-130		02/07/2019 17:02	WG1234087

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



Method Blank (MB)

(MB) R3383102-3 02/07/19 15:42

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
Carbon disulfide	U		0.101	0.500
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	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-1,3-Dichloropropene	U		0.0976	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,3-Dichloropropene	U		0.222	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
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) R3383102-3 02/07/19 15:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	0.239	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
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.215	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
1,2,3-Trimethylbenzene	U		0.0739	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
1,2,3-Trichlorobenzene	0.254	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
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	92.9			77.0-126
(S) 1,2-Dichloroethane-d4	99.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3383102-1 02/07/19 14:41 • (LCSD) R3383102-2 02/07/19 15:02

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 %
Carbon disulfide	25.0	25.7	26.0	103	104	61.0-128			1.30	20
Acetone	125	153	150	123	120	19.0-160			2.30	27
Acrolein	125	163	164	130	131	10.0-160			0.586	26



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

(LCS) R3383102-1 02/07/19 14:41 • (LCSD) R3383102-2 02/07/19 15:02

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 %
cis-1,3-Dichloropropene	25.0	27.4	27.8	110	111	80.0-123			1.40	20
Acrylonitrile	125	151	137	121	110	55.0-149			9.35	20
trans-1,3-Dichloropropene	25.0	27.4	26.6	109	106	78.0-124			2.98	20
Benzene	25.0	25.0	25.1	99.8	101	70.0-123			0.697	20
Bromobenzene	25.0	27.1	27.1	108	108	73.0-121			0.0698	20
Bromodichloromethane	25.0	27.3	27.2	109	109	75.0-120			0.631	20
Bromoform	25.0	27.8	27.3	111	109	68.0-132			1.88	20
Bromomethane	25.0	25.6	26.1	102	104	10.0-160			1.71	25
n-Butylbenzene	25.0	25.2	25.7	101	103	73.0-125			2.00	20
sec-Butylbenzene	25.0	26.3	26.4	105	106	75.0-125			0.507	20
tert-Butylbenzene	25.0	28.0	28.2	112	113	76.0-124			0.767	20
Carbon tetrachloride	25.0	25.5	25.2	102	101	68.0-126			1.07	20
Chlorobenzene	25.0	26.1	26.0	104	104	80.0-121			0.385	20
Chlorodibromomethane	25.0	28.0	27.6	112	110	77.0-125			1.53	20
Chloroethane	25.0	25.0	25.5	99.9	102	47.0-150			2.16	20
Chloroform	25.0	26.9	27.1	107	108	73.0-120			0.727	20
Chloromethane	25.0	28.0	28.7	112	115	41.0-142			2.20	20
1,1,2-Trichlorotrifluoroethane	25.0	25.4	26.0	102	104	69.0-132			2.37	20
2-Chlorotoluene	25.0	27.1	27.1	108	108	76.0-123			0.0903	20
4-Chlorotoluene	25.0	27.5	27.4	110	110	75.0-122			0.227	20
1,2-Dibromo-3-Chloropropane	25.0	25.7	27.0	103	108	58.0-134			4.75	20
1,2-Dibromoethane	25.0	26.2	26.4	105	106	80.0-122			0.909	20
Dibromomethane	25.0	26.8	27.0	107	108	80.0-120			0.763	20
1,2-Dichlorobenzene	25.0	24.6	24.8	98.5	99.1	79.0-121			0.605	20
1,3-Dichlorobenzene	25.0	26.3	26.7	105	107	79.0-120			1.55	20
1,4-Dichlorobenzene	25.0	24.4	24.8	97.7	99.1	79.0-120			1.44	20
Dichlorodifluoromethane	25.0	28.6	28.8	114	115	51.0-149			0.566	20
1,1-Dichloroethane	25.0	26.4	26.4	105	105	70.0-126			0.0183	20
1,2,3-Trimethylbenzene	25.0	25.2	25.3	101	101	77.0-120			0.313	20
1,2-Dichloroethane	25.0	24.7	24.8	98.7	99.3	70.0-128			0.611	20
1,1-Dichloroethene	25.0	27.0	27.6	108	110	71.0-124			2.11	20
cis-1,2-Dichloroethene	25.0	26.7	27.0	107	108	73.0-120			1.11	20
trans-1,2-Dichloroethene	25.0	26.3	26.8	105	107	73.0-120			1.64	20
Xylenes, Total	75.0	78.5	78.0	105	104	79.0-123			0.639	20
1,2-Dichloropropane	25.0	26.0	26.5	104	106	77.0-125			1.85	20
1,1-Dichloropropene	25.0	25.9	26.1	104	105	74.0-126			0.823	20
1,3-Dichloropropane	25.0	26.9	25.9	107	104	80.0-120			3.49	20
2,2-Dichloropropane	25.0	25.8	25.9	103	104	58.0-130			0.304	20
Di-isopropyl ether	25.0	27.6	27.4	110	109	58.0-138			0.826	20
Ethylbenzene	25.0	26.1	25.3	104	101	79.0-123			3.27	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) R3383102-1 02/07/19 14:41 • (LCSD) R3383102-2 02/07/19 15:02

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 %
Hexachloro-1,3-butadiene	25.0	24.3	26.8	97.1	107	54.0-138			9.77	20
Isopropylbenzene	25.0	27.4	26.9	110	108	76.0-127			2.01	20
p-Isopropyltoluene	25.0	26.5	26.6	106	107	76.0-125			0.461	20
2-Butanone (MEK)	125	145	143	116	114	44.0-160			1.17	20
Methylene Chloride	25.0	27.0	26.9	108	108	67.0-120			0.240	20
4-Methyl-2-pentanone (MIBK)	125	143	139	115	111	68.0-142			3.08	20
Methyl tert-butyl ether	25.0	27.9	27.2	112	109	68.0-125			2.31	20
Naphthalene	25.0	22.9	25.0	91.7	99.9	54.0-135			8.62	20
n-Propylbenzene	25.0	27.3	27.4	109	109	77.0-124			0.178	20
Styrene	25.0	28.6	28.2	114	113	73.0-130			1.45	20
1,1,1,2-Tetrachloroethane	25.0	26.7	26.7	107	107	75.0-125			0.0173	20
1,1,2,2-Tetrachloroethane	25.0	29.4	29.6	118	119	65.0-130			0.789	20
Tetrachloroethene	25.0	25.8	25.3	103	101	72.0-132			1.86	20
Toluene	25.0	24.7	24.4	98.7	97.6	79.0-120			1.12	20
1,2,3-Trichlorobenzene	25.0	22.3	24.5	89.2	97.9	50.0-138			9.28	20
1,2,4-Trichlorobenzene	25.0	23.8	24.7	95.3	99.0	57.0-137			3.79	20
1,1,1-Trichloroethane	25.0	27.4	27.4	110	110	73.0-124			0.0410	20
1,1,2-Trichloroethane	25.0	26.4	26.3	106	105	80.0-120			0.485	20
Trichloroethene	25.0	25.8	26.4	103	106	78.0-124			2.05	20
Trichlorofluoromethane	25.0	26.1	26.8	104	107	59.0-147			2.77	20
1,2,3-Trichloropropane	25.0	28.0	27.7	112	111	73.0-130			1.21	20
1,2,4-Trimethylbenzene	25.0	26.2	26.2	105	105	76.0-121			0.177	20
1,3,5-Trimethylbenzene	25.0	28.2	28.5	113	114	76.0-122			1.17	20
Vinyl chloride	25.0	27.2	27.5	109	110	67.0-131			0.884	20
(S) Toluene-d8				94.8	93.9	80.0-120				
(S) 4-Bromofluorobenzene				96.1	98.3	77.0-126				
(S) 1,2-Dichloroethane-d4				96.9	98.0	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3382951-3 02/07/19 20:17

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) R3382951-3 02/07/19 20:17

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	103			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	101			70.0-130

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

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

(LCS) R3382951-1 02/07/19 19:18 • (LCSD) R3382951-2 02/07/19 19:37

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	181	179	145	143	19.0-160			1.60	27
Acrolein	125	148	152	118	121	10.0-160			2.32	26
Acrylonitrile	125	144	143	116	114	55.0-149			1.27	20



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

(LCS) R3382951-1 02/07/19 19:18 • (LCSD) R3382951-2 02/07/19 19:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	27.6	27.4	110	110	70.0-123			0.467	20
Bromobenzene	25.0	25.2	24.7	101	98.8	73.0-121			1.99	20
Bromodichloromethane	25.0	27.0	26.1	108	105	75.0-120			3.16	20
Bromoform	25.0	29.1	29.3	116	117	68.0-132			0.814	20
Bromomethane	25.0	30.8	30.5	123	122	10.0-160			1.04	25
n-Butylbenzene	25.0	26.2	26.4	105	105	73.0-125			0.754	20
sec-Butylbenzene	25.0	25.9	26.0	104	104	75.0-125			0.204	20
tert-Butylbenzene	25.0	26.1	26.0	104	104	76.0-124			0.247	20
Carbon disulfide	25.0	27.5	27.6	110	110	61.0-128			0.0201	20
Carbon tetrachloride	25.0	27.4	26.7	110	107	68.0-126			2.75	20
Chlorobenzene	25.0	27.8	27.9	111	112	80.0-121			0.413	20
Chlorodibromomethane	25.0	27.0	27.5	108	110	77.0-125			1.98	20
Chloroethane	25.0	28.7	29.8	115	119	47.0-150			3.64	20
Chloroform	25.0	27.9	27.9	112	112	73.0-120			0.0368	20
Chloromethane	25.0	32.7	32.9	131	132	41.0-142			0.459	20
2-Chlorotoluene	25.0	24.9	24.9	99.7	99.5	76.0-123			0.233	20
4-Chlorotoluene	25.0	25.1	25.1	100	100	75.0-122			0.0179	20
1,2-Dibromo-3-Chloropropane	25.0	28.5	28.7	114	115	58.0-134			0.808	20
1,2-Dibromoethane	25.0	26.9	27.1	108	108	80.0-122			0.484	20
Dibromomethane	25.0	28.2	28.0	113	112	80.0-120			0.536	20
1,2-Dichlorobenzene	25.0	27.2	27.7	109	111	79.0-121			1.80	20
1,3-Dichlorobenzene	25.0	26.6	26.9	107	107	79.0-120			0.906	20
1,4-Dichlorobenzene	25.0	25.8	25.7	103	103	79.0-120			0.506	20
Dichlorodifluoromethane	25.0	27.5	28.3	110	113	51.0-149			2.98	20
1,1-Dichloroethane	25.0	26.9	26.6	107	107	70.0-126			0.835	20
1,2-Dichloroethane	25.0	26.8	26.7	107	107	70.0-128			0.684	20
1,1-Dichloroethene	25.0	28.1	28.1	112	113	71.0-124			0.134	20
cis-1,2-Dichloroethene	25.0	27.8	28.2	111	113	73.0-120			1.42	20
trans-1,2-Dichloroethene	25.0	26.6	26.5	106	106	73.0-120			0.216	20
1,2-Dichloropropane	25.0	26.4	26.3	106	105	77.0-125			0.439	20
1,1-Dichloropropene	25.0	28.1	27.9	112	112	74.0-126			0.530	20
1,3-Dichloropropane	25.0	26.3	26.5	105	106	80.0-120			0.980	20
cis-1,3-Dichloropropene	25.0	27.2	26.4	109	106	80.0-123			2.84	20
trans-1,3-Dichloropropene	25.0	26.8	26.6	107	106	78.0-124			0.587	20
2,2-Dichloropropane	25.0	26.4	26.8	106	107	58.0-130			1.53	20
Di-isopropyl ether	25.0	27.8	27.3	111	109	58.0-138			1.90	20
Ethylbenzene	25.0	27.2	27.5	109	110	79.0-123			1.08	20
Hexachloro-1,3-butadiene	25.0	27.1	28.2	108	113	54.0-138			3.98	20
Isopropylbenzene	25.0	28.2	29.0	113	116	76.0-127			2.79	20
p-Isopropyltoluene	25.0	26.5	26.6	106	106	76.0-125			0.344	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) R3382951-1 02/07/19 19:18 • (LCSD) R3382951-2 02/07/19 19:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	125	152	146	121	117	44.0-160			3.83	20
Methylene Chloride	25.0	27.0	27.4	108	109	67.0-120			1.29	20
4-Methyl-2-pentanone (MIBK)	125	142	141	114	113	68.0-142			0.740	20
Methyl tert-butyl ether	25.0	27.8	27.9	111	111	68.0-125			0.353	20
Naphthalene	25.0	28.5	28.7	114	115	54.0-135			0.712	20
n-Propylbenzene	25.0	25.2	25.1	101	100	77.0-124			0.251	20
Styrene	25.0	28.6	29.1	114	117	73.0-130			1.83	20
1,1,1,2-Tetrachloroethane	25.0	27.6	28.2	110	113	75.0-125			1.97	20
1,1,2,2-Tetrachloroethane	25.0	26.5	26.1	106	104	65.0-130			1.58	20
1,1,2-Trichlorotrifluoroethane	25.0	27.5	27.7	110	111	69.0-132			0.766	20
Tetrachloroethene	25.0	27.2	28.2	109	113	72.0-132			3.27	20
Toluene	25.0	26.8	27.0	107	108	79.0-120			0.728	20
1,2,3-Trichlorobenzene	25.0	29.5	30.3	118	121	50.0-138			2.81	20
1,2,4-Trichlorobenzene	25.0	29.7	30.1	119	120	57.0-137			1.52	20
1,1,1-Trichloroethane	25.0	28.2	28.1	113	112	73.0-124			0.412	20
1,1,2-Trichloroethane	25.0	27.2	27.5	109	110	80.0-120			1.18	20
Trichloroethene	25.0	27.9	27.5	111	110	78.0-124			1.50	20
Trichlorofluoromethane	25.0	29.5	29.9	118	120	59.0-147			1.44	20
1,2,3-Trichloropropane	25.0	25.3	25.8	101	103	73.0-130			2.13	20
1,2,4-Trimethylbenzene	25.0	26.6	27.0	106	108	76.0-121			1.48	20
1,2,3-Trimethylbenzene	25.0	25.7	25.8	103	103	77.0-120			0.565	20
1,3,5-Trimethylbenzene	25.0	25.9	25.6	104	102	76.0-122			1.24	20
Vinyl chloride	25.0	27.1	28.1	109	112	67.0-131			3.51	20
Xylenes, Total	75.0	83.9	85.4	112	114	79.0-123			1.77	20
(S) Toluene-d8				97.7	100	80.0-120				
(S) 4-Bromofluorobenzene				103	106	77.0-126				
(S) 1,2-Dichloroethane-d4				109	101	70.0-130				

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.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

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

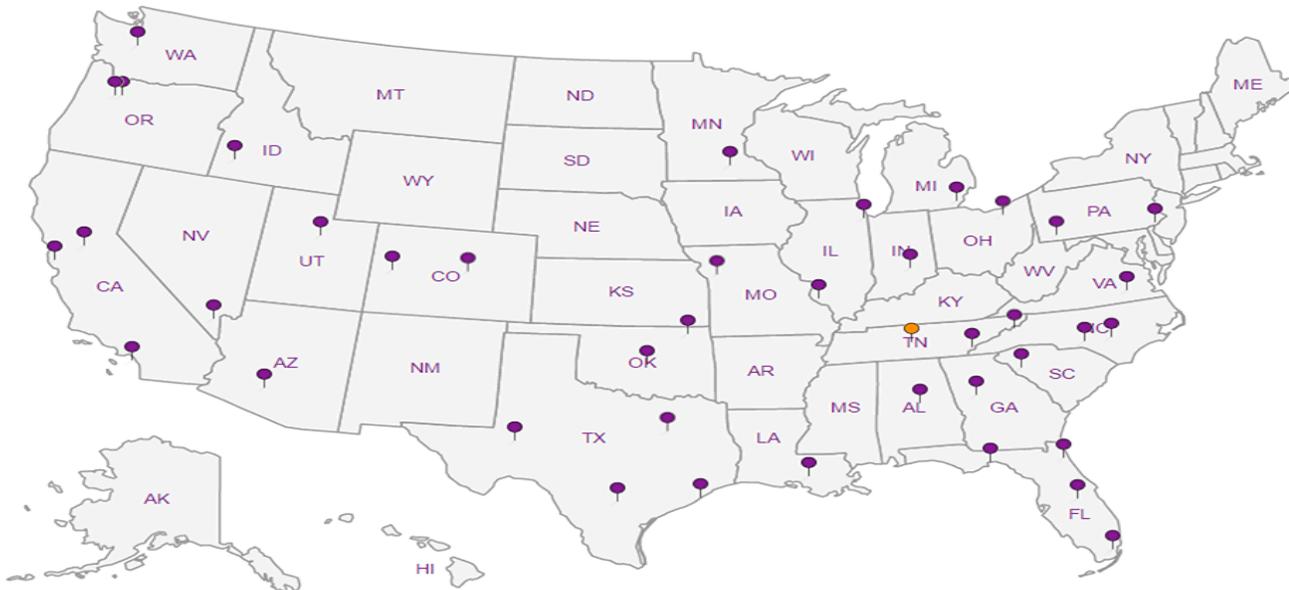
Third Party Federal Accreditations

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

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

Our Locations

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



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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



L# **L1067718**
Table #
Acctnum: **CASCORFOR**
Template: **T142451**
Prelogin: **P692841**
TSR: **110 - Brian Ford**
PB:
Shipped Via:

Cascade Corporation- Fairview, OR

2201 NE 201st Avenue
Fairview, OR 97024-9718

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

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

Report to:
Cindy Bartlett

Project Description: **Cascade TST.**

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

Lab Project #
CASCORFOR-PNG0564

Phone: **503-669-6286**

Client Project #

Fax:

P.O. #

Collected by (print):
Dietrich Tietjen

Site/Facility ID #

Quote #

Collected by (signature):
DT

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

Date Results Needed

No. of
Cntrs

Immediately Packed on Ice N Y

VOCs V8260LL 40ml/Amb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative
CMW17ds-020519-DUP		GW		2-5-19	14:16	2	
D17dg-020619		GW		2-6-19	8:40	3	
D17ds-020619		GW		2-6-19	9:00	3	
EW12-020619-L		GW		2-6-19	9:40	3	
CMW18ds-020619		GW		2-6-19	10:05	3	
CMW14rds-020619		GW		2-6-19	10:20	3	
CMW26dg-020619		GW		2-6-19	11:20	3	
CMW36dg-020619		GW		2-6-19	10:55	3	
CMW25dg-020619		GW		2-6-19	11:55	3	
CMW24dg-020619-L		GW		2-6-19	12:15	3	

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

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

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
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
RAD SCREEN: <0.5 mR/hr

Relinquished by: (Signature)
Pat Yoder

Date: **2/06/19**
Time: **16:15**

Received by: (Signature)
FOA-EX

Trip Blank Received: Yes No
 LCL / MeOH
 TBR

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: **36.1-35.5** °C
 Bottles Received: **56 + TB**
 Date: **2/7** Time: **8:50**

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)
MARLET

If preservation required by Login: Date/Time
 Hold: _____ Condition: **NCF / OK**

Cascade Corporation- Fairview, OR
 201 NE 201st Avenue
 Fairview, OR 97024-9718

Billing information:
 Accounts Payable
 P.O. Box 20187
 Portland, OR 97294-0187
 Email To: CBartlett@Geosyntec.com

Report to:
 Cindy Bartlett

Project Description: **Cascade TST**

Phone: 503-669-6286
 Fax:

Collected by (print):
Dianita Tritjan

Collected by (signature):
Dt 24
 Immediately Packed on Ice N Y

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

Lab Project #
CASCORFOR-PNG0564

P.O. #

Quote #
 Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
CMW19ds-020619		GW		2-6-19	12:40	3
CMW10ds-020619		GW		2-6-19	13:20	3
PWB-1(1ts)-020619		GW		2-6-19	15:20	3
Trip Blank Lot # 414		GW		10-15-18	N/A	1
		GW				
		GW				
		GW				
		GW				
		GW				

VOCs V8260LL 40ml Amb-HCl

Analysis / Container / Preservative



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



L# **L1067718**

Table #

Acctnum: **CASCORFOR**

Template: **T142451**

Prelogin: **P692841**

TSR: **110 - Brian Ford**

PB:

Shipped Via:

Remarks Sample # (lab only)

-21
 -22
 -23
 -24

* 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 #

Sample Receipt Checklist
 COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
RAD SCREEN: <0.5 mR/hr

Relinquished by: (Signature)
Pat Yoda
 Relinquished by: (Signature)
 Relinquished by: (Signature)

Date: **2/6/19** Time: **16:15**

Received by: (Signature)
FED - EX
 Received by: (Signature)
 Received for lab by: (Signature)
M. G. H. T.

Trip Blank Received: **See 10 to HCl / MeOH TBR**
 Temp: **3.6-1-3.5** °C Bottles Received: **56 + TB**
 Date: **2/7** Time: **8:50**

If preservation required by Login: Date/Time

Hold: Condition: **NCF / OK**