

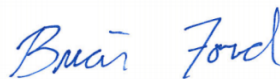
April 24, 2018

Cascade Corporation- Fairview, OR

Sample Delivery Group: L969286
Samples Received: 02/09/2018
Project Number: PNG0564S17
Description: Cascade TSA

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

Entire Report Reviewed By:



Brian Ford
Technical Service Representative

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 ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



CMW19DS-020718 L969286-01 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 08:50	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 19:19	02/11/18 19:19	LRL

¹ Cp² Tc³ Ss

CMW10DS-020718 L969286-02 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 09:20	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 19:39	02/11/18 19:39	LRL

⁴ Cn⁵ Sr

CMW18DS-020718 L969286-03 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 10:45	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 19:58	02/11/18 19:58	LRL

⁶ Qc⁷ Gl

CMW14RDS-020718 L969286-04 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 11:00	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 20:18	02/11/18 20:18	LRL

⁸ Al⁹ Sc

EW16-020718 L969286-05 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 11:25	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 20:38	02/11/18 20:38	LRL

CMW26DG-020718 L969286-06 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 11:55	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 20:58	02/11/18 20:58	LRL

CMW17DS-020718 L969286-07 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 12:20	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 21:18	02/11/18 21:18	LRL

CMW17DS-020718-DUP L969286-08 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 12:21	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 21:38	02/11/18 21:38	LRL

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



EW1-020718 L969286-09 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 21:58	02/11/18 21:58	LRL

Collected by
PY / DT

Collected date/time
02/07/18 12:35

Received date/time
02/09/18 08:45

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

EW2-020718 L969286-10 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 22:18	02/11/18 22:18	LRL

Collected by
PY / DT

Collected date/time
02/07/18 12:45

Received date/time
02/09/18 08:45

EW14-020718 L969286-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 22:37	02/11/18 22:37	LRL

Collected by
PY / DT

Collected date/time
02/07/18 12:55

Received date/time
02/09/18 08:45

EW23-020718 L969286-12 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 22:57	02/11/18 22:57	LRL

Collected by
PY / DT

Collected date/time
02/07/18 13:05

Received date/time
02/09/18 08:45

D17DG-020718 L969286-13 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 23:17	02/11/18 23:17	LRL

Collected by
PY / DT

Collected date/time
02/07/18 13:35

Received date/time
02/09/18 08:45

D17DS-020718 L969286-14 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 23:37	02/11/18 23:37	LRL

Collected by
PY / DT

Collected date/time
02/07/18 13:50

Received date/time
02/09/18 08:45

EW12-020718-U L969286-15 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/11/18 23:57	02/11/18 23:57	LRL

Collected by
PY / DT

Collected date/time
02/07/18 14:30

Received date/time
02/09/18 08:45

EW12-020718-L L969286-16 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/12/18 00:17	02/12/18 00:17	LRL

Collected by
PY / DT

Collected date/time
02/07/18 14:35

Received date/time
02/09/18 08:45

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



CMW25DG-020718 L969286-17 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/07/18 15:05	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/12/18 00:37	02/12/18 00:37	LRL

¹ Cp² Tc³ Ss

CMW24DG-020818-U L969286-18 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 09:45	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/12/18 00:57	02/12/18 00:57	LRL

⁴ Cn⁵ Sr

CMW24DG-020818-L L969286-19 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 09:50	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/12/18 01:17	02/12/18 01:17	LRL

⁶ Qc⁷ Gl

EW8-020818-U L969286-20 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 10:30	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072544	1	02/12/18 01:37	02/12/18 01:37	LRL

⁸ Al⁹ Sc

EW8-020818-L L969286-21 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 10:40	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 08:49	02/12/18 08:49	JAH

VMWA-020818 L969286-22 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 10:55	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 09:09	02/12/18 09:09	JAH

VMWB-020818 L969286-23 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 10:15	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 09:29	02/12/18 09:29	JAH

VMWC-020818 L969286-24 GW

			Collected by PY / DT	Collected date/time	Received date/time
				02/08/18 11:15	02/09/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 09:49	02/12/18 09:49	JAH

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



VMWD-020818 L969286-25 GW

Collected by
PY / DTCollected date/time
02/08/18 10:35Received date/time
02/09/18 08:45¹Cp

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 10:08	02/12/18 10:08	JAH

²Tc³Ss

TRIP BLANK LOT 383 L969286-26 GW

Collected by
PY / DTCollected date/time
02/07/18 00:00Received date/time
02/09/18 08:45⁴Cn

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1072564	1	02/12/18 05:31	02/12/18 05:31	JAH

⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

ACCOUNT:

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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
Technical Service Representative

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		50.0	1	02/11/2018 19:19	WG1072544
Acrolein	ND		50.0	1	02/11/2018 19:19	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 19:19	WG1072544
Benzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 19:19	WG1072544
Bromoform	ND		1.00	1	02/11/2018 19:19	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 19:19	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 19:19	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 19:19	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 19:19	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 19:19	WG1072544
Chloroform	ND		5.00	1	02/11/2018 19:19	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 19:19	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 19:19	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 19:19	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 19:19	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 19:19	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 19:19	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 19:19	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 19:19	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:19	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:19	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 19:19	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 19:19	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 19:19	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 19:19	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 19:19	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 19:19	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 19:19	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 19:19	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 19:19	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Styrene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 19:19	WG1072544
Toluene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 19:19	WG1072544

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/07/18 08:50

L969286

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		1.00	1	02/11/2018 19:19	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 19:19	WG1072544
Trichloroethene	ND		1.00	1	02/11/2018 19:19	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 19:19	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 19:19	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 19:19	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 19:19	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 19:19	WG1072544
(S) Toluene-d8	109		80.0-120		02/11/2018 19:19	WG1072544
(S) Dibromofluoromethane	94.0		76.0-123		02/11/2018 19:19	WG1072544
(S) 4-Bromofluorobenzene	98.5		80.0-120		02/11/2018 19:19	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	90.4		50.0	1	02/11/2018 19:39	WG1072544
Acrolein	ND		50.0	1	02/11/2018 19:39	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 19:39	WG1072544
Benzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 19:39	WG1072544
Bromoform	ND		1.00	1	02/11/2018 19:39	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 19:39	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 19:39	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 19:39	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 19:39	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 19:39	WG1072544
Chloroform	ND		5.00	1	02/11/2018 19:39	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 19:39	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 19:39	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 19:39	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 19:39	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 19:39	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 19:39	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 19:39	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 19:39	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:39	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:39	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 19:39	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 19:39	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 19:39	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 19:39	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 19:39	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 19:39	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 19:39	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 19:39	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 19:39	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Styrene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 19:39	WG1072544
Toluene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544

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

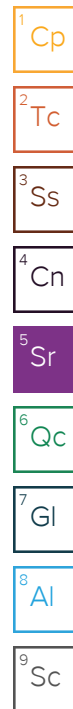
Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 19:39	WG1072544
Trichloroethene	16.9		1.00	1	02/11/2018 19:39	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 19:39	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 19:39	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 19:39	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 19:39	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 19:39	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 19:39	WG1072544
(S) Dibromofluoromethane	94.6		76.0-123		02/11/2018 19:39	WG1072544
(S) 4-Bromofluorobenzene	101		80.0-120		02/11/2018 19:39	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 19:58	WG1072544
Acrolein	ND		50.0	1	02/11/2018 19:58	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 19:58	WG1072544
Benzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 19:58	WG1072544
Bromoform	ND		1.00	1	02/11/2018 19:58	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 19:58	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 19:58	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 19:58	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 19:58	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 19:58	WG1072544
Chloroform	ND		5.00	1	02/11/2018 19:58	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 19:58	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 19:58	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 19:58	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 19:58	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 19:58	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 19:58	WG1072544
cis-1,2-Dichloroethene	7.39		1.00	1	02/11/2018 19:58	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 19:58	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:58	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 19:58	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 19:58	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 19:58	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 19:58	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 19:58	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 19:58	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 19:58	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 19:58	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 19:58	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 19:58	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Styrene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
Tetrachloroethene	1.36		1.00	1	02/11/2018 19:58	WG1072544
Toluene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 19:58	WG1072544





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		1.00	1	02/11/2018 19:58	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 19:58	WG1072544
Trichloroethene	58.7		1.00	1	02/11/2018 19:58	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 19:58	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 19:58	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 19:58	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 19:58	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 19:58	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 19:58	WG1072544
(S) Dibromofluoromethane	95.1		76.0-123		02/11/2018 19:58	WG1072544
(S) 4-Bromofluorobenzene	98.3		80.0-120		02/11/2018 19:58	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 20:18	WG1072544
Acrolein	ND		50.0	1	02/11/2018 20:18	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 20:18	WG1072544
Benzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 20:18	WG1072544
Bromoform	ND		1.00	1	02/11/2018 20:18	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 20:18	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 20:18	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 20:18	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 20:18	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 20:18	WG1072544
Chloroform	ND		5.00	1	02/11/2018 20:18	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 20:18	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 20:18	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 20:18	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 20:18	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 20:18	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 20:18	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:18	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 20:18	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:18	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:18	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 20:18	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 20:18	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 20:18	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 20:18	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 20:18	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 20:18	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 20:18	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 20:18	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 20:18	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Styrene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 20:18	WG1072544
Toluene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 20:18	WG1072544

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		1.00	1	02/11/2018 20:18	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 20:18	WG1072544
Trichloroethene	ND		1.00	1	02/11/2018 20:18	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 20:18	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 20:18	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 20:18	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 20:18	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 20:18	WG1072544
(S) Toluene-d8	106		80.0-120		02/11/2018 20:18	WG1072544
(S) Dibromofluoromethane	95.9		76.0-123		02/11/2018 20:18	WG1072544
(S) 4-Bromofluorobenzene	98.6		80.0-120		02/11/2018 20:18	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	78.9		50.0	1	02/11/2018 20:38	WG1072544
Acrolein	ND		50.0	1	02/11/2018 20:38	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 20:38	WG1072544
Benzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 20:38	WG1072544
Bromoform	ND		1.00	1	02/11/2018 20:38	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 20:38	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 20:38	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 20:38	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 20:38	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 20:38	WG1072544
Chloroform	ND		5.00	1	02/11/2018 20:38	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 20:38	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 20:38	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 20:38	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 20:38	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 20:38	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 20:38	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:38	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 20:38	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:38	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:38	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 20:38	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 20:38	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 20:38	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 20:38	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 20:38	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 20:38	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 20:38	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 20:38	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 20:38	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Styrene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 20:38	WG1072544
Toluene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 20:38	WG1072544

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/07/18 11:25

L969286

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		1.00	1	02/11/2018 20:38	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 20:38	WG1072544
Trichloroethene	ND		1.00	1	02/11/2018 20:38	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 20:38	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 20:38	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 20:38	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 20:38	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 20:38	WG1072544
(S) Toluene-d8	105		80.0-120		02/11/2018 20:38	WG1072544
(S) Dibromofluoromethane	94.0		76.0-123		02/11/2018 20:38	WG1072544
(S) 4-Bromofluorobenzene	97.3		80.0-120		02/11/2018 20:38	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 20:58	WG1072544
Acrolein	ND		50.0	1	02/11/2018 20:58	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 20:58	WG1072544
Benzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 20:58	WG1072544
Bromoform	ND		1.00	1	02/11/2018 20:58	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 20:58	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 20:58	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 20:58	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 20:58	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 20:58	WG1072544
Chloroform	ND		5.00	1	02/11/2018 20:58	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 20:58	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 20:58	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 20:58	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 20:58	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 20:58	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 20:58	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:58	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 20:58	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:58	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 20:58	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 20:58	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 20:58	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 20:58	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 20:58	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 20:58	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 20:58	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 20:58	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 20:58	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 20:58	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Styrene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 20:58	WG1072544
Toluene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 20:58	WG1072544

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		1.00	1	02/11/2018 20:58	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 20:58	WG1072544
Trichloroethene	3.70		1.00	1	02/11/2018 20:58	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 20:58	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 20:58	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 20:58	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 20:58	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 20:58	WG1072544
(S) Toluene-d8	105		80.0-120		02/11/2018 20:58	WG1072544
(S) Dibromofluoromethane	94.5		76.0-123		02/11/2018 20:58	WG1072544
(S) 4-Bromofluorobenzene	98.0		80.0-120		02/11/2018 20:58	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	242		50.0	1	02/11/2018 21:18	WG1072544
Acrolein	ND		50.0	1	02/11/2018 21:18	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 21:18	WG1072544
Benzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 21:18	WG1072544
Bromoform	ND		1.00	1	02/11/2018 21:18	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 21:18	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 21:18	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 21:18	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 21:18	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 21:18	WG1072544
Chloroform	ND		5.00	1	02/11/2018 21:18	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 21:18	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 21:18	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 21:18	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 21:18	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 21:18	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 21:18	WG1072544
cis-1,2-Dichloroethene	2.17		1.00	1	02/11/2018 21:18	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 21:18	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:18	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:18	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 21:18	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 21:18	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 21:18	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 21:18	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 21:18	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 21:18	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 21:18	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 21:18	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 21:18	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Styrene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 21:18	WG1072544
Toluene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 21:18	WG1072544

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		1.00	1	02/11/2018 21:18	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 21:18	WG1072544
Trichloroethene	14.9		1.00	1	02/11/2018 21:18	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 21:18	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 21:18	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 21:18	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 21:18	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 21:18	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 21:18	WG1072544
(S) Dibromofluoromethane	97.8		76.0-123		02/11/2018 21:18	WG1072544
(S) 4-Bromofluorobenzene	97.5		80.0-120		02/11/2018 21:18	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	245		50.0	1	02/11/2018 21:38	WG1072544
Acrolein	ND		50.0	1	02/11/2018 21:38	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 21:38	WG1072544
Benzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 21:38	WG1072544
Bromoform	ND		1.00	1	02/11/2018 21:38	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 21:38	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 21:38	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 21:38	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 21:38	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 21:38	WG1072544
Chloroform	ND		5.00	1	02/11/2018 21:38	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 21:38	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 21:38	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 21:38	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 21:38	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 21:38	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 21:38	WG1072544
cis-1,2-Dichloroethene	2.15		1.00	1	02/11/2018 21:38	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 21:38	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:38	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:38	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 21:38	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 21:38	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 21:38	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 21:38	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 21:38	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 21:38	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 21:38	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 21:38	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 21:38	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Styrene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 21:38	WG1072544
Toluene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 21:38	WG1072544

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		1.00	1	02/11/2018 21:38	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 21:38	WG1072544
Trichloroethene	15.1		1.00	1	02/11/2018 21:38	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 21:38	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 21:38	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 21:38	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 21:38	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 21:38	WG1072544
(S) Toluene-d8	105		80.0-120		02/11/2018 21:38	WG1072544
(S) Dibromofluoromethane	96.3		76.0-123		02/11/2018 21:38	WG1072544
(S) 4-Bromofluorobenzene	100		80.0-120		02/11/2018 21:38	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	02/11/2018 21:58	WG1072544
Acrolein	ND		50.0	1	02/11/2018 21:58	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 21:58	WG1072544
Benzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 21:58	WG1072544
Bromoform	ND		1.00	1	02/11/2018 21:58	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 21:58	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 21:58	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 21:58	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 21:58	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 21:58	WG1072544
Chloroform	ND		5.00	1	02/11/2018 21:58	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 21:58	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 21:58	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 21:58	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 21:58	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 21:58	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 21:58	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 21:58	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 21:58	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:58	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 21:58	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 21:58	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 21:58	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 21:58	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 21:58	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 21:58	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 21:58	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 21:58	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 21:58	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 21:58	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Styrene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 21:58	WG1072544
Toluene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544

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

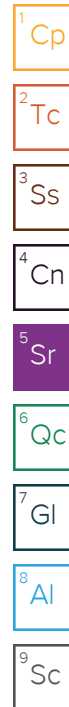
Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 21:58	WG1072544
Trichloroethene	3.93		1.00	1	02/11/2018 21:58	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 21:58	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 21:58	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 21:58	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 21:58	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 21:58	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 21:58	WG1072544
(S) Dibromofluoromethane	95.9		76.0-123		02/11/2018 21:58	WG1072544
(S) 4-Bromofluorobenzene	94.2		80.0-120		02/11/2018 21:58	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 22:18	WG1072544
Acrolein	ND		50.0	1	02/11/2018 22:18	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 22:18	WG1072544
Benzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 22:18	WG1072544
Bromoform	ND		1.00	1	02/11/2018 22:18	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 22:18	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 22:18	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 22:18	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 22:18	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 22:18	WG1072544
Chloroform	ND		5.00	1	02/11/2018 22:18	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 22:18	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 22:18	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 22:18	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 22:18	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 22:18	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 22:18	WG1072544
cis-1,2-Dichloroethene	1.69		1.00	1	02/11/2018 22:18	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 22:18	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:18	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:18	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 22:18	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 22:18	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 22:18	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 22:18	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 22:18	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 22:18	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 22:18	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 22:18	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 22:18	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Styrene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
Tetrachloroethene	1.09		1.00	1	02/11/2018 22:18	WG1072544
Toluene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 22:18	WG1072544





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		1.00	1	02/11/2018 22:18	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 22:18	WG1072544
Trichloroethene	19.0		1.00	1	02/11/2018 22:18	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 22:18	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 22:18	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 22:18	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 22:18	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 22:18	WG1072544
(S) Toluene-d8	105		80.0-120		02/11/2018 22:18	WG1072544
(S) Dibromofluoromethane	95.7		76.0-123		02/11/2018 22:18	WG1072544
(S) 4-Bromofluorobenzene	97.9		80.0-120		02/11/2018 22:18	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	02/11/2018 22:37	WG1072544
Acrolein	ND		50.0	1	02/11/2018 22:37	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 22:37	WG1072544
Benzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 22:37	WG1072544
Bromoform	ND		1.00	1	02/11/2018 22:37	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 22:37	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 22:37	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 22:37	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 22:37	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 22:37	WG1072544
Chloroform	ND		5.00	1	02/11/2018 22:37	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 22:37	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 22:37	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 22:37	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 22:37	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 22:37	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 22:37	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 22:37	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 22:37	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:37	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:37	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 22:37	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 22:37	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 22:37	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 22:37	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 22:37	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 22:37	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 22:37	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 22:37	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 22:37	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Styrene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 22:37	WG1072544
Toluene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 22:37	WG1072544

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/07/18 12:55

L969286

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		1.00	1	02/11/2018 22:37	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 22:37	WG1072544
Trichloroethene	7.89		1.00	1	02/11/2018 22:37	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 22:37	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 22:37	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 22:37	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 22:37	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 22:37	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 22:37	WG1072544
(S) Dibromofluoromethane	93.5		76.0-123		02/11/2018 22:37	WG1072544
(S) 4-Bromofluorobenzene	97.2		80.0-120		02/11/2018 22:37	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 22:57	WG1072544
Acrolein	ND		50.0	1	02/11/2018 22:57	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 22:57	WG1072544
Benzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 22:57	WG1072544
Bromoform	ND		1.00	1	02/11/2018 22:57	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 22:57	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 22:57	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 22:57	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 22:57	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 22:57	WG1072544
Chloroform	ND		5.00	1	02/11/2018 22:57	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 22:57	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 22:57	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 22:57	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 22:57	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 22:57	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 22:57	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 22:57	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 22:57	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:57	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 22:57	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 22:57	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 22:57	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 22:57	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 22:57	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 22:57	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 22:57	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 22:57	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 22:57	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 22:57	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Styrene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 22:57	WG1072544
Toluene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 22:57	WG1072544

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		1.00	1	02/11/2018 22:57	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 22:57	WG1072544
Trichloroethene	2.00		1.00	1	02/11/2018 22:57	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 22:57	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 22:57	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 22:57	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 22:57	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 22:57	WG1072544
(S) Toluene-d8	107		80.0-120		02/11/2018 22:57	WG1072544
(S) Dibromofluoromethane	93.7		76.0-123		02/11/2018 22:57	WG1072544
(S) 4-Bromofluorobenzene	96.9		80.0-120		02/11/2018 22:57	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 23:17	WG1072544
Acrolein	ND		50.0	1	02/11/2018 23:17	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 23:17	WG1072544
Benzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 23:17	WG1072544
Bromoform	ND		1.00	1	02/11/2018 23:17	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 23:17	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 23:17	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 23:17	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 23:17	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 23:17	WG1072544
Chloroform	ND		5.00	1	02/11/2018 23:17	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 23:17	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 23:17	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 23:17	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 23:17	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 23:17	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 23:17	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 23:17	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 23:17	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:17	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:17	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 23:17	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 23:17	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 23:17	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 23:17	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 23:17	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 23:17	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 23:17	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 23:17	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 23:17	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Styrene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 23:17	WG1072544
Toluene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 23:17	WG1072544

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		1.00	1	02/11/2018 23:17	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 23:17	WG1072544
Trichloroethene	1.48		1.00	1	02/11/2018 23:17	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 23:17	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 23:17	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 23:17	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 23:17	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 23:17	WG1072544
(S) Toluene-d8	106		80.0-120		02/11/2018 23:17	WG1072544
(S) Dibromofluoromethane	96.6		76.0-123		02/11/2018 23:17	WG1072544
(S) 4-Bromofluorobenzene	97.4		80.0-120		02/11/2018 23:17	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/11/2018 23:37	WG1072544
Acrolein	ND		50.0	1	02/11/2018 23:37	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 23:37	WG1072544
Benzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 23:37	WG1072544
Bromoform	ND		1.00	1	02/11/2018 23:37	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 23:37	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 23:37	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 23:37	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 23:37	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 23:37	WG1072544
Chloroform	ND		5.00	1	02/11/2018 23:37	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 23:37	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 23:37	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 23:37	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 23:37	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 23:37	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 23:37	WG1072544
cis-1,2-Dichloroethene	7.64		1.00	1	02/11/2018 23:37	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 23:37	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:37	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:37	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 23:37	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 23:37	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 23:37	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 23:37	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/11/2018 23:37	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 23:37	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 23:37	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 23:37	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 23:37	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Styrene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
Tetrachloroethene	1.02		1.00	1	02/11/2018 23:37	WG1072544
Toluene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 23:37	WG1072544

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		1.00	1	02/11/2018 23:37	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 23:37	WG1072544
Trichloroethene	37.8		1.00	1	02/11/2018 23:37	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 23:37	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 23:37	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 23:37	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 23:37	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 23:37	WG1072544
(S) Toluene-d8	108		80.0-120		02/11/2018 23:37	WG1072544
(S) Dibromofluoromethane	93.6		76.0-123		02/11/2018 23:37	WG1072544
(S) 4-Bromofluorobenzene	96.1		80.0-120		02/11/2018 23:37	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	428		50.0	1	02/11/2018 23:57	WG1072544
Acrolein	ND		50.0	1	02/11/2018 23:57	WG1072544
Acrylonitrile	ND		10.0	1	02/11/2018 23:57	WG1072544
Benzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Bromobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Bromodichloromethane	ND		1.00	1	02/11/2018 23:57	WG1072544
Bromoform	ND		1.00	1	02/11/2018 23:57	WG1072544
Bromomethane	ND		5.00	1	02/11/2018 23:57	WG1072544
n-Butylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
sec-Butylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
tert-Butylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Carbon disulfide	ND		1.00	1	02/11/2018 23:57	WG1072544
Carbon tetrachloride	ND		1.00	1	02/11/2018 23:57	WG1072544
Chlorobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Chlorodibromomethane	ND		1.00	1	02/11/2018 23:57	WG1072544
Chloroethane	ND		5.00	1	02/11/2018 23:57	WG1072544
Chloroform	ND		5.00	1	02/11/2018 23:57	WG1072544
Chloromethane	ND		2.50	1	02/11/2018 23:57	WG1072544
2-Chlorotoluene	ND		1.00	1	02/11/2018 23:57	WG1072544
4-Chlorotoluene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/11/2018 23:57	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/11/2018 23:57	WG1072544
Dibromomethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/11/2018 23:57	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/11/2018 23:57	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/11/2018 23:57	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/11/2018 23:57	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:57	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/11/2018 23:57	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/11/2018 23:57	WG1072544
Di-isopropyl ether	ND		1.00	1	02/11/2018 23:57	WG1072544
Ethylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/11/2018 23:57	WG1072544
Isopropylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/11/2018 23:57	WG1072544
2-Butanone (MEK)	31.6		10.0	1	02/11/2018 23:57	WG1072544
Methylene Chloride	ND		5.00	1	02/11/2018 23:57	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/11/2018 23:57	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/11/2018 23:57	WG1072544
Naphthalene	ND		5.00	1	02/11/2018 23:57	WG1072544
n-Propylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Styrene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
Tetrachloroethene	ND		1.00	1	02/11/2018 23:57	WG1072544
Toluene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/11/2018 23:57	WG1072544

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		1.00	1	02/11/2018 23:57	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/11/2018 23:57	WG1072544
Trichloroethene	2.44		1.00	1	02/11/2018 23:57	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/11/2018 23:57	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/11/2018 23:57	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/11/2018 23:57	WG1072544
Vinyl chloride	ND		1.00	1	02/11/2018 23:57	WG1072544
Xylenes, Total	ND		3.00	1	02/11/2018 23:57	WG1072544
(S) Toluene-d8	108		80.0-120		02/11/2018 23:57	WG1072544
(S) Dibromofluoromethane	95.7		76.0-123		02/11/2018 23:57	WG1072544
(S) 4-Bromofluorobenzene	98.0		80.0-120		02/11/2018 23:57	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	56.3		50.0	1	02/12/2018 00:17	WG1072544
Acrolein	ND		50.0	1	02/12/2018 00:17	WG1072544
Acrylonitrile	ND		10.0	1	02/12/2018 00:17	WG1072544
Benzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Bromobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Bromodichloromethane	ND		1.00	1	02/12/2018 00:17	WG1072544
Bromoform	ND		1.00	1	02/12/2018 00:17	WG1072544
Bromomethane	ND		5.00	1	02/12/2018 00:17	WG1072544
n-Butylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
sec-Butylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
tert-Butylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Carbon disulfide	ND		1.00	1	02/12/2018 00:17	WG1072544
Carbon tetrachloride	ND		1.00	1	02/12/2018 00:17	WG1072544
Chlorobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Chlorodibromomethane	ND		1.00	1	02/12/2018 00:17	WG1072544
Chloroethane	ND		5.00	1	02/12/2018 00:17	WG1072544
Chloroform	ND		5.00	1	02/12/2018 00:17	WG1072544
Chloromethane	ND		2.50	1	02/12/2018 00:17	WG1072544
2-Chlorotoluene	ND		1.00	1	02/12/2018 00:17	WG1072544
4-Chlorotoluene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 00:17	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/12/2018 00:17	WG1072544
Dibromomethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 00:17	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/12/2018 00:17	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:17	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/12/2018 00:17	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:17	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:17	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/12/2018 00:17	WG1072544
Di-isopropyl ether	ND		1.00	1	02/12/2018 00:17	WG1072544
Ethylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 00:17	WG1072544
Isopropylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/12/2018 00:17	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/12/2018 00:17	WG1072544
Methylene Chloride	ND		5.00	1	02/12/2018 00:17	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 00:17	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 00:17	WG1072544
Naphthalene	ND		5.00	1	02/12/2018 00:17	WG1072544
n-Propylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Styrene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
Tetrachloroethene	ND		1.00	1	02/12/2018 00:17	WG1072544
Toluene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 00:17	WG1072544

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/07/18 14:35

L969286

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		1.00	1	02/12/2018 00:17	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 00:17	WG1072544
Trichloroethene	2.49		1.00	1	02/12/2018 00:17	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/12/2018 00:17	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 00:17	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 00:17	WG1072544
Vinyl chloride	ND		1.00	1	02/12/2018 00:17	WG1072544
Xylenes, Total	ND		3.00	1	02/12/2018 00:17	WG1072544
(S) Toluene-d8	107		80.0-120		02/12/2018 00:17	WG1072544
(S) Dibromofluoromethane	94.4		76.0-123		02/12/2018 00:17	WG1072544
(S) 4-Bromofluorobenzene	100		80.0-120		02/12/2018 00:17	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 00:37	WG1072544
Acrolein	ND		50.0	1	02/12/2018 00:37	WG1072544
Acrylonitrile	ND		10.0	1	02/12/2018 00:37	WG1072544
Benzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Bromobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Bromodichloromethane	ND		1.00	1	02/12/2018 00:37	WG1072544
Bromoform	ND		1.00	1	02/12/2018 00:37	WG1072544
Bromomethane	ND		5.00	1	02/12/2018 00:37	WG1072544
n-Butylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
sec-Butylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
tert-Butylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Carbon disulfide	ND		1.00	1	02/12/2018 00:37	WG1072544
Carbon tetrachloride	ND		1.00	1	02/12/2018 00:37	WG1072544
Chlorobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Chlorodibromomethane	ND		1.00	1	02/12/2018 00:37	WG1072544
Chloroethane	ND		5.00	1	02/12/2018 00:37	WG1072544
Chloroform	ND		5.00	1	02/12/2018 00:37	WG1072544
Chloromethane	ND		2.50	1	02/12/2018 00:37	WG1072544
2-Chlorotoluene	ND		1.00	1	02/12/2018 00:37	WG1072544
4-Chlorotoluene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 00:37	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/12/2018 00:37	WG1072544
Dibromomethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 00:37	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/12/2018 00:37	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:37	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/12/2018 00:37	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:37	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:37	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/12/2018 00:37	WG1072544
Di-isopropyl ether	ND		1.00	1	02/12/2018 00:37	WG1072544
Ethylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 00:37	WG1072544
Isopropylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/12/2018 00:37	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/12/2018 00:37	WG1072544
Methylene Chloride	ND		5.00	1	02/12/2018 00:37	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 00:37	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 00:37	WG1072544
Naphthalene	ND		5.00	1	02/12/2018 00:37	WG1072544
n-Propylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Styrene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
Tetrachloroethene	ND		1.00	1	02/12/2018 00:37	WG1072544
Toluene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 00:37	WG1072544

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		1.00	1	02/12/2018 00:37	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 00:37	WG1072544
Trichloroethene	ND		1.00	1	02/12/2018 00:37	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/12/2018 00:37	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 00:37	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 00:37	WG1072544
Vinyl chloride	ND		1.00	1	02/12/2018 00:37	WG1072544
Xylenes, Total	ND		3.00	1	02/12/2018 00:37	WG1072544
(S) Toluene-d8	111		80.0-120		02/12/2018 00:37	WG1072544
(S) Dibromofluoromethane	96.3		76.0-123		02/12/2018 00:37	WG1072544
(S) 4-Bromofluorobenzene	99.8		80.0-120		02/12/2018 00:37	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 00:57	WG1072544
Acrolein	ND		50.0	1	02/12/2018 00:57	WG1072544
Acrylonitrile	ND		10.0	1	02/12/2018 00:57	WG1072544
Benzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Bromobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Bromodichloromethane	ND		1.00	1	02/12/2018 00:57	WG1072544
Bromoform	ND		1.00	1	02/12/2018 00:57	WG1072544
Bromomethane	ND		5.00	1	02/12/2018 00:57	WG1072544
n-Butylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
sec-Butylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
tert-Butylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Carbon disulfide	ND		1.00	1	02/12/2018 00:57	WG1072544
Carbon tetrachloride	ND		1.00	1	02/12/2018 00:57	WG1072544
Chlorobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Chlorodibromomethane	ND		1.00	1	02/12/2018 00:57	WG1072544
Chloroethane	ND		5.00	1	02/12/2018 00:57	WG1072544
Chloroform	ND		5.00	1	02/12/2018 00:57	WG1072544
Chloromethane	ND		2.50	1	02/12/2018 00:57	WG1072544
2-Chlorotoluene	ND		1.00	1	02/12/2018 00:57	WG1072544
4-Chlorotoluene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 00:57	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/12/2018 00:57	WG1072544
Dibromomethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 00:57	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/12/2018 00:57	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:57	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/12/2018 00:57	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:57	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 00:57	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/12/2018 00:57	WG1072544
Di-isopropyl ether	ND		1.00	1	02/12/2018 00:57	WG1072544
Ethylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 00:57	WG1072544
Isopropylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/12/2018 00:57	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/12/2018 00:57	WG1072544
Methylene Chloride	ND		5.00	1	02/12/2018 00:57	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 00:57	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 00:57	WG1072544
Naphthalene	ND		5.00	1	02/12/2018 00:57	WG1072544
n-Propylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Styrene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
Tetrachloroethene	ND		1.00	1	02/12/2018 00:57	WG1072544
Toluene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 00:57	WG1072544

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		1.00	1	02/12/2018 00:57	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 00:57	WG1072544
Trichloroethene	ND		1.00	1	02/12/2018 00:57	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/12/2018 00:57	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 00:57	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 00:57	WG1072544
Vinyl chloride	ND		1.00	1	02/12/2018 00:57	WG1072544
Xylenes, Total	ND		3.00	1	02/12/2018 00:57	WG1072544
(S) Toluene-d8	105		80.0-120		02/12/2018 00:57	WG1072544
(S) Dibromofluoromethane	96.7		76.0-123		02/12/2018 00:57	WG1072544
(S) 4-Bromofluorobenzene	96.7		80.0-120		02/12/2018 00:57	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	02/12/2018 01:17	WG1072544
Acrolein	ND		50.0	1	02/12/2018 01:17	WG1072544
Acrylonitrile	ND		10.0	1	02/12/2018 01:17	WG1072544
Benzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Bromobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Bromodichloromethane	ND		1.00	1	02/12/2018 01:17	WG1072544
Bromoform	ND		1.00	1	02/12/2018 01:17	WG1072544
Bromomethane	ND		5.00	1	02/12/2018 01:17	WG1072544
n-Butylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
sec-Butylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
tert-Butylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Carbon disulfide	ND		1.00	1	02/12/2018 01:17	WG1072544
Carbon tetrachloride	ND		1.00	1	02/12/2018 01:17	WG1072544
Chlorobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Chlorodibromomethane	ND		1.00	1	02/12/2018 01:17	WG1072544
Chloroethane	ND		5.00	1	02/12/2018 01:17	WG1072544
Chloroform	ND		5.00	1	02/12/2018 01:17	WG1072544
Chloromethane	ND		2.50	1	02/12/2018 01:17	WG1072544
2-Chlorotoluene	ND		1.00	1	02/12/2018 01:17	WG1072544
4-Chlorotoluene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 01:17	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/12/2018 01:17	WG1072544
Dibromomethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 01:17	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/12/2018 01:17	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 01:17	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/12/2018 01:17	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 01:17	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 01:17	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/12/2018 01:17	WG1072544
Di-isopropyl ether	ND		1.00	1	02/12/2018 01:17	WG1072544
Ethylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 01:17	WG1072544
Isopropylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/12/2018 01:17	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/12/2018 01:17	WG1072544
Methylene Chloride	ND		5.00	1	02/12/2018 01:17	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 01:17	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 01:17	WG1072544
Naphthalene	ND		5.00	1	02/12/2018 01:17	WG1072544
n-Propylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Styrene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
Tetrachloroethene	ND		1.00	1	02/12/2018 01:17	WG1072544
Toluene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 01:17	WG1072544

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		1.00	1	02/12/2018 01:17	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 01:17	WG1072544
Trichloroethene	ND		1.00	1	02/12/2018 01:17	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/12/2018 01:17	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 01:17	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 01:17	WG1072544
Vinyl chloride	ND		1.00	1	02/12/2018 01:17	WG1072544
Xylenes, Total	ND		3.00	1	02/12/2018 01:17	WG1072544
(S) Toluene-d8	108		80.0-120		02/12/2018 01:17	WG1072544
(S) Dibromofluoromethane	96.5		76.0-123		02/12/2018 01:17	WG1072544
(S) 4-Bromofluorobenzene	98.7		80.0-120		02/12/2018 01:17	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	02/12/2018 01:37	WG1072544
Acrolein	ND		50.0	1	02/12/2018 01:37	WG1072544
Acrylonitrile	ND		10.0	1	02/12/2018 01:37	WG1072544
Benzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Bromobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Bromodichloromethane	ND		1.00	1	02/12/2018 01:37	WG1072544
Bromoform	ND		1.00	1	02/12/2018 01:37	WG1072544
Bromomethane	ND		5.00	1	02/12/2018 01:37	WG1072544
n-Butylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
sec-Butylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
tert-Butylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Carbon disulfide	ND		1.00	1	02/12/2018 01:37	WG1072544
Carbon tetrachloride	ND		1.00	1	02/12/2018 01:37	WG1072544
Chlorobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Chlorodibromomethane	ND		1.00	1	02/12/2018 01:37	WG1072544
Chloroethane	ND		5.00	1	02/12/2018 01:37	WG1072544
Chloroform	ND		5.00	1	02/12/2018 01:37	WG1072544
Chloromethane	ND		2.50	1	02/12/2018 01:37	WG1072544
2-Chlorotoluene	ND		1.00	1	02/12/2018 01:37	WG1072544
4-Chlorotoluene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 01:37	WG1072544
1,2-Dibromoethane	ND		1.00	1	02/12/2018 01:37	WG1072544
Dibromomethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 01:37	WG1072544
1,1-Dichloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2-Dichloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1-Dichloroethene	ND		1.00	1	02/12/2018 01:37	WG1072544
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 01:37	WG1072544
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2-Dichloropropane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1-Dichloropropene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,3-Dichloropropane	ND		1.00	1	02/12/2018 01:37	WG1072544
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 01:37	WG1072544
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 01:37	WG1072544
2,2-Dichloropropane	ND		1.00	1	02/12/2018 01:37	WG1072544
Di-isopropyl ether	ND		1.00	1	02/12/2018 01:37	WG1072544
Ethylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 01:37	WG1072544
Isopropylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
p-Isopropyltoluene	ND		1.00	1	02/12/2018 01:37	WG1072544
2-Butanone (MEK)	ND		10.0	1	02/12/2018 01:37	WG1072544
Methylene Chloride	ND		5.00	1	02/12/2018 01:37	WG1072544
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 01:37	WG1072544
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 01:37	WG1072544
Naphthalene	ND		5.00	1	02/12/2018 01:37	WG1072544
n-Propylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Styrene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
Tetrachloroethene	ND		1.00	1	02/12/2018 01:37	WG1072544
Toluene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 01:37	WG1072544

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/08/18 10:30

L969286

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		1.00	1	02/12/2018 01:37	WG1072544
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 01:37	WG1072544
Trichloroethene	5.31		1.00	1	02/12/2018 01:37	WG1072544
Trichlorofluoromethane	ND		5.00	1	02/12/2018 01:37	WG1072544
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 01:37	WG1072544
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 01:37	WG1072544
Vinyl chloride	ND		1.00	1	02/12/2018 01:37	WG1072544
Xylenes, Total	ND		3.00	1	02/12/2018 01:37	WG1072544
(S) Toluene-d8	105		80.0-120		02/12/2018 01:37	WG1072544
(S) Dibromofluoromethane	94.0		76.0-123		02/12/2018 01:37	WG1072544
(S) 4-Bromofluorobenzene	100		80.0-120		02/12/2018 01:37	WG1072544

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	02/12/2018 08:49	WG1072564
Acrolein	ND		50.0	1	02/12/2018 08:49	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 08:49	WG1072564
Benzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 08:49	WG1072564
Bromoform	ND		1.00	1	02/12/2018 08:49	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 08:49	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 08:49	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 08:49	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 08:49	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 08:49	WG1072564
Chloroform	ND		5.00	1	02/12/2018 08:49	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 08:49	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 08:49	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 08:49	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 08:49	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 08:49	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 08:49	WG1072564
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 08:49	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 08:49	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 08:49	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 08:49	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 08:49	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 08:49	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 08:49	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 08:49	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 08:49	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 08:49	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 08:49	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 08:49	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 08:49	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Styrene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
Tetrachloroethene	ND		1.00	1	02/12/2018 08:49	WG1072564
Toluene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 08:49	WG1072564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/08/18 10:40

L969286

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		1.00	1	02/12/2018 08:49	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 08:49	WG1072564
Trichloroethene	5.29		1.00	1	02/12/2018 08:49	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 08:49	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 08:49	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 08:49	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 08:49	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 08:49	WG1072564
(S) Toluene-d8	98.0		80.0-120		02/12/2018 08:49	WG1072564
(S) Dibromofluoromethane	101		76.0-123		02/12/2018 08:49	WG1072564
(S) 4-Bromofluorobenzene	104		80.0-120		02/12/2018 08:49	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 09:09	WG1072564
Acrolein	ND		50.0	1	02/12/2018 09:09	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 09:09	WG1072564
Benzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 09:09	WG1072564
Bromoform	ND		1.00	1	02/12/2018 09:09	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 09:09	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 09:09	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 09:09	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 09:09	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 09:09	WG1072564
Chloroform	ND		5.00	1	02/12/2018 09:09	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 09:09	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 09:09	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 09:09	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 09:09	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 09:09	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 09:09	WG1072564
cis-1,2-Dichloroethene	1.45		1.00	1	02/12/2018 09:09	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 09:09	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:09	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:09	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 09:09	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 09:09	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 09:09	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 09:09	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 09:09	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 09:09	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 09:09	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 09:09	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 09:09	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Styrene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
Tetrachloroethene	ND		1.00	1	02/12/2018 09:09	WG1072564
Toluene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 09:09	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Collected date/time: 02/08/18 10:55

L969286

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		1.00	1	02/12/2018 09:09	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 09:09	WG1072564
Trichloroethene	15.0		1.00	1	02/12/2018 09:09	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 09:09	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 09:09	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 09:09	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 09:09	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 09:09	WG1072564
(S) Toluene-d8	99.1		80.0-120		02/12/2018 09:09	WG1072564
(S) Dibromofluoromethane	93.4		76.0-123		02/12/2018 09:09	WG1072564
(S) 4-Bromofluorobenzene	104		80.0-120		02/12/2018 09:09	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 09:29	WG1072564
Acrolein	ND		50.0	1	02/12/2018 09:29	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 09:29	WG1072564
Benzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 09:29	WG1072564
Bromoform	ND		1.00	1	02/12/2018 09:29	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 09:29	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 09:29	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 09:29	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 09:29	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 09:29	WG1072564
Chloroform	ND		5.00	1	02/12/2018 09:29	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 09:29	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 09:29	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 09:29	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 09:29	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 09:29	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 09:29	WG1072564
cis-1,2-Dichloroethene	3.47		1.00	1	02/12/2018 09:29	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 09:29	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:29	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:29	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 09:29	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 09:29	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 09:29	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 09:29	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 09:29	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 09:29	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 09:29	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 09:29	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 09:29	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Styrene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
Tetrachloroethene	1.24		1.00	1	02/12/2018 09:29	WG1072564
Toluene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 09:29	WG1072564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/08/18 10:15

L969286

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		1.00	1	02/12/2018 09:29	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 09:29	WG1072564
Trichloroethene	26.0		1.00	1	02/12/2018 09:29	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 09:29	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 09:29	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 09:29	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 09:29	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 09:29	WG1072564
(S) Toluene-d8	99.9		80.0-120		02/12/2018 09:29	WG1072564
(S) Dibromofluoromethane	97.5		76.0-123		02/12/2018 09:29	WG1072564
(S) 4-Bromofluorobenzene	103		80.0-120		02/12/2018 09:29	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 09:49	WG1072564
Acrolein	ND		50.0	1	02/12/2018 09:49	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 09:49	WG1072564
Benzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 09:49	WG1072564
Bromoform	ND		1.00	1	02/12/2018 09:49	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 09:49	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 09:49	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 09:49	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 09:49	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 09:49	WG1072564
Chloroform	ND		5.00	1	02/12/2018 09:49	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 09:49	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 09:49	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 09:49	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 09:49	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 09:49	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 09:49	WG1072564
cis-1,2-Dichloroethene	2.37		1.00	1	02/12/2018 09:49	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 09:49	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:49	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 09:49	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 09:49	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 09:49	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 09:49	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 09:49	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 09:49	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 09:49	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 09:49	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 09:49	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 09:49	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Styrene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
Tetrachloroethene	1.11		1.00	1	02/12/2018 09:49	WG1072564
Toluene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 09:49	WG1072564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/08/18 11:15

L969286

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		1.00	1	02/12/2018 09:49	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 09:49	WG1072564
Trichloroethene	31.0		1.00	1	02/12/2018 09:49	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 09:49	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 09:49	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 09:49	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 09:49	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 09:49	WG1072564
(S) Toluene-d8	96.6		80.0-120		02/12/2018 09:49	WG1072564
(S) Dibromofluoromethane	96.4		76.0-123		02/12/2018 09:49	WG1072564
(S) 4-Bromofluorobenzene	104		80.0-120		02/12/2018 09:49	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 10:08	WG1072564
Acrolein	ND		50.0	1	02/12/2018 10:08	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 10:08	WG1072564
Benzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 10:08	WG1072564
Bromoform	ND		1.00	1	02/12/2018 10:08	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 10:08	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 10:08	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 10:08	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 10:08	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 10:08	WG1072564
Chloroform	ND		5.00	1	02/12/2018 10:08	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 10:08	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 10:08	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 10:08	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 10:08	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 10:08	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 10:08	WG1072564
cis-1,2-Dichloroethene	2.25		1.00	1	02/12/2018 10:08	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 10:08	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 10:08	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 10:08	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 10:08	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 10:08	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 10:08	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 10:08	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 10:08	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 10:08	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 10:08	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 10:08	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 10:08	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Styrene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
Tetrachloroethene	ND		1.00	1	02/12/2018 10:08	WG1072564
Toluene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 10:08	WG1072564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/08/18 10:35

L969286

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		1.00	1	02/12/2018 10:08	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 10:08	WG1072564
Trichloroethene	18.8		1.00	1	02/12/2018 10:08	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 10:08	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 10:08	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 10:08	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 10:08	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 10:08	WG1072564
(S) Toluene-d8	97.6		80.0-120		02/12/2018 10:08	WG1072564
(S) Dibromofluoromethane	100		76.0-123		02/12/2018 10:08	WG1072564
(S) 4-Bromofluorobenzene	103		80.0-120		02/12/2018 10:08	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	02/12/2018 05:31	WG1072564
Acrolein	ND		50.0	1	02/12/2018 05:31	WG1072564
Acrylonitrile	ND		10.0	1	02/12/2018 05:31	WG1072564
Benzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Bromobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Bromodichloromethane	ND		1.00	1	02/12/2018 05:31	WG1072564
Bromoform	ND		1.00	1	02/12/2018 05:31	WG1072564
Bromomethane	ND		5.00	1	02/12/2018 05:31	WG1072564
n-Butylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
sec-Butylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
tert-Butylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Carbon disulfide	ND		1.00	1	02/12/2018 05:31	WG1072564
Carbon tetrachloride	ND		1.00	1	02/12/2018 05:31	WG1072564
Chlorobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Chlorodibromomethane	ND		1.00	1	02/12/2018 05:31	WG1072564
Chloroethane	ND		5.00	1	02/12/2018 05:31	WG1072564
Chloroform	ND		5.00	1	02/12/2018 05:31	WG1072564
Chloromethane	ND		2.50	1	02/12/2018 05:31	WG1072564
2-Chlorotoluene	ND		1.00	1	02/12/2018 05:31	WG1072564
4-Chlorotoluene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	02/12/2018 05:31	WG1072564
1,2-Dibromoethane	ND		1.00	1	02/12/2018 05:31	WG1072564
Dibromomethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2-Dichlorobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,3-Dichlorobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,4-Dichlorobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Dichlorodifluoromethane	ND		5.00	1	02/12/2018 05:31	WG1072564
1,1-Dichloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2-Dichloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1-Dichloroethene	ND		1.00	1	02/12/2018 05:31	WG1072564
cis-1,2-Dichloroethene	ND		1.00	1	02/12/2018 05:31	WG1072564
trans-1,2-Dichloroethene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2-Dichloropropane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1-Dichloropropene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,3-Dichloropropane	ND		1.00	1	02/12/2018 05:31	WG1072564
cis-1,3-Dichloropropene	ND		1.00	1	02/12/2018 05:31	WG1072564
trans-1,3-Dichloropropene	ND		1.00	1	02/12/2018 05:31	WG1072564
2,2-Dichloropropane	ND		1.00	1	02/12/2018 05:31	WG1072564
Di-isopropyl ether	ND		1.00	1	02/12/2018 05:31	WG1072564
Ethylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Hexachloro-1,3-butadiene	ND		1.00	1	02/12/2018 05:31	WG1072564
Isopropylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
p-Isopropyltoluene	ND		1.00	1	02/12/2018 05:31	WG1072564
2-Butanone (MEK)	ND		10.0	1	02/12/2018 05:31	WG1072564
Methylene Chloride	ND		5.00	1	02/12/2018 05:31	WG1072564
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	02/12/2018 05:31	WG1072564
Methyl tert-butyl ether	ND		1.00	1	02/12/2018 05:31	WG1072564
Naphthalene	ND		5.00	1	02/12/2018 05:31	WG1072564
n-Propylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Styrene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1,1,2-Tetrachloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1,2,2-Tetrachloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
Tetrachloroethene	ND		1.00	1	02/12/2018 05:31	WG1072564
Toluene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2,3-Trichlorobenzene	ND		1.00	1	02/12/2018 05:31	WG1072564

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		1.00	1	02/12/2018 05:31	WG1072564
1,1,1-Trichloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
1,1,2-Trichloroethane	ND		1.00	1	02/12/2018 05:31	WG1072564
Trichloroethene	ND		1.00	1	02/12/2018 05:31	WG1072564
Trichlorofluoromethane	ND		5.00	1	02/12/2018 05:31	WG1072564
1,2,3-Trichloropropane	ND		2.50	1	02/12/2018 05:31	WG1072564
1,2,4-Trimethylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,2,3-Trimethylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
1,3,5-Trimethylbenzene	ND		1.00	1	02/12/2018 05:31	WG1072564
Vinyl chloride	ND		1.00	1	02/12/2018 05:31	WG1072564
Xylenes, Total	ND		3.00	1	02/12/2018 05:31	WG1072564
(S) Toluene-d8	99.8		80.0-120		02/12/2018 05:31	WG1072564
(S) Dibromofluoromethane	94.7		76.0-123		02/12/2018 05:31	WG1072564
(S) 4-Bromofluorobenzene	103		80.0-120		02/12/2018 05:31	WG1072564

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Method Blank (MB)

(MB) R3286528-2 02/11/18 18:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3286528-2 02/11/18 18:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	107			80.0-120
(S) Dibromofluoromethane	95.1			76.0-123
(S) 4-Bromofluorobenzene	101			80.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3286528-1 02/11/18 17:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	97.3	77.8	10.0-160	
Acrolein	125	111	89.1	10.0-160	
Acrylonitrile	125	122	97.8	60.0-142	

Laboratory Control Sample (LCS)

(LCS) R3286528-1 02/11/18 17:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	25.0	22.7	91.0	69.0-123	
Bromobenzene	25.0	24.2	96.9	79.0-120	
Bromodichloromethane	25.0	22.6	90.4	76.0-120	
Bromoform	25.0	19.4	77.5	67.0-132	
Bromomethane	25.0	21.9	87.7	18.0-160	
n-Butylbenzene	25.0	23.6	94.3	72.0-126	
sec-Butylbenzene	25.0	24.7	98.8	74.0-121	
tert-Butylbenzene	25.0	24.0	96.0	75.0-122	
Carbon disulfide	25.0	19.1	76.3	55.0-127	
Carbon tetrachloride	25.0	22.4	89.7	63.0-122	
Chlorobenzene	25.0	25.3	101	79.0-121	
Chlorodibromomethane	25.0	23.2	92.8	75.0-125	
Chloroethane	25.0	30.2	121	47.0-152	
Chloroform	25.0	22.8	91.0	72.0-121	
Chloromethane	25.0	19.0	75.9	48.0-139	
2-Chlorotoluene	25.0	26.3	105	74.0-122	
4-Chlorotoluene	25.0	25.2	101	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	20.4	81.6	64.0-127	
1,2-Dibromoethane	25.0	25.3	101	77.0-123	
Dibromomethane	25.0	23.6	94.6	78.0-120	
1,2-Dichlorobenzene	25.0	24.8	99.2	80.0-120	
1,3-Dichlorobenzene	25.0	23.4	93.8	72.0-123	
1,4-Dichlorobenzene	25.0	21.9	87.5	77.0-120	
Dichlorodifluoromethane	25.0	20.9	83.6	49.0-155	
1,1-Dichloroethane	25.0	23.5	93.9	70.0-126	
1,2-Dichloroethane	25.0	24.6	98.4	67.0-126	
1,1-Dichloroethene	25.0	21.4	85.6	64.0-129	
cis-1,2-Dichloroethene	25.0	21.8	87.2	73.0-120	
trans-1,2-Dichloroethene	25.0	20.6	82.3	71.0-121	
1,2-Dichloropropane	25.0	24.8	99.2	75.0-125	
1,1-Dichloropropene	25.0	22.6	90.3	71.0-129	
1,3-Dichloropropane	25.0	25.1	100	80.0-121	
cis-1,3-Dichloropropene	25.0	24.8	99.1	79.0-123	
trans-1,3-Dichloropropene	25.0	24.4	97.6	74.0-127	
2,2-Dichloropropane	25.0	20.1	80.5	60.0-125	
Di-isopropyl ether	25.0	22.3	89.2	59.0-133	
Ethylbenzene	25.0	25.5	102	77.0-120	
Hexachloro-1,3-butadiene	25.0	17.0	68.1	64.0-131	
Isopropylbenzene	25.0	24.5	98.1	75.0-120	
p-Isopropyltoluene	25.0	23.7	94.9	74.0-126	

1

Cp

2

Tc

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Ss

4

Cn

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Sr

6

Qc

7

Gl

8

Al

9

Sc



Laboratory Control Sample (LCS)

(LCS) R3286528-1 02/11/18 17:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	125	106	85.1	37.0-158	
Methylene Chloride	25.0	22.3	89.4	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	125	99.9	59.0-143	
Methyl tert-butyl ether	25.0	22.5	90.0	64.0-123	
Naphthalene	25.0	21.9	87.5	62.0-128	
n-Propylbenzene	25.0	24.6	98.5	79.0-120	
Styrene	25.0	23.8	95.2	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.1	96.5	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	23.7	94.7	71.0-122	
Tetrachloroethene	25.0	23.0	91.9	70.0-127	
Toluene	25.0	24.9	99.5	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	24.4	97.7	61.0-136	
1,2,3-Trichlorobenzene	25.0	19.9	79.5	61.0-133	
1,2,4-Trichlorobenzene	25.0	22.1	88.3	69.0-129	
1,1,1-Trichloroethane	25.0	23.6	94.2	68.0-122	
1,1,2-Trichloroethane	25.0	24.6	98.5	78.0-120	
Trichloroethene	25.0	23.7	94.7	78.0-120	
Trichlorofluoromethane	25.0	28.0	112	56.0-137	
1,2,3-Trichloropropane	25.0	24.8	99.2	72.0-124	
1,2,3-Trimethylbenzene	25.0	24.5	98.1	75.0-120	
1,2,4-Trimethylbenzene	25.0	24.2	96.8	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.0	95.9	75.0-120	
Vinyl chloride	25.0	24.1	96.4	64.0-133	
Xylenes, Total	75.0	74.0	98.7	77.0-120	
(S) Toluene-d8			103	80.0-120	
(S) Dibromofluoromethane			95.3	76.0-123	
(S) 4-Bromofluorobenzene			96.8	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3286721-2 02/12/18 04:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

¹Cp

²Tc

³Ss

⁴Cn

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⁶Qc

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⁸Al

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[L969286-21,22,23,24,25,26](#)

Method Blank (MB)

(MB) R3286721-2 02/12/18 04:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	98.3			80.0-120
(S) Dibromofluoromethane	100			76.0-123
(S) 4-Bromofluorobenzene	105			80.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

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Laboratory Control Sample (LCS)

(LCS) R3286721-1 02/12/18 04:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	117	93.8	10.0-160	
Acrolein	125	64.9	51.9	10.0-160	
Acrylonitrile	125	108	86.2	60.0-142	

L969286-21,22,23,24,25,26

Laboratory Control Sample (LCS)

(LCS) R3286721-1 02/12/18 04:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	25.0	21.1	84.6	69.0-123	
Bromobenzene	25.0	24.6	98.6	79.0-120	
Bromodichloromethane	25.0	27.2	109	76.0-120	
Bromoform	25.0	26.3	105	67.0-132	
Bromomethane	25.0	13.0	52.2	18.0-160	
n-Butylbenzene	25.0	23.7	94.9	72.0-126	
sec-Butylbenzene	25.0	23.2	92.7	74.0-121	
tert-Butylbenzene	25.0	23.6	94.5	75.0-122	
Carbon disulfide	25.0	20.0	79.9	55.0-127	
Carbon tetrachloride	25.0	23.4	93.5	63.0-122	
Chlorobenzene	25.0	25.2	101	79.0-121	
Chlorodibromomethane	25.0	26.8	107	75.0-125	
Chloroethane	25.0	18.4	73.5	47.0-152	
Chloroform	25.0	24.4	97.7	72.0-121	
Chloromethane	25.0	22.1	88.4	48.0-139	
2-Chlorotoluene	25.0	24.2	96.7	74.0-122	
4-Chlorotoluene	25.0	23.5	94.2	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.0	96.0	64.0-127	
1,2-Dibromoethane	25.0	26.0	104	77.0-123	
Dibromomethane	25.0	25.7	103	78.0-120	
1,2-Dichlorobenzene	25.0	24.4	97.7	80.0-120	
1,3-Dichlorobenzene	25.0	23.8	95.1	72.0-123	
1,4-Dichlorobenzene	25.0	25.0	100	77.0-120	
Dichlorodifluoromethane	25.0	24.6	98.5	49.0-155	
1,1-Dichloroethane	25.0	23.0	92.0	70.0-126	
1,2-Dichloroethane	25.0	26.6	107	67.0-126	
1,1-Dichloroethene	25.0	25.4	102	64.0-129	
cis-1,2-Dichloroethene	25.0	22.3	89.4	73.0-120	
trans-1,2-Dichloroethene	25.0	23.9	95.6	71.0-121	
1,2-Dichloropropane	25.0	24.2	96.9	75.0-125	
1,1-Dichloropropene	25.0	22.0	88.1	71.0-129	
1,3-Dichloropropane	25.0	25.8	103	80.0-121	
cis-1,3-Dichloropropene	25.0	23.5	94.1	79.0-123	
trans-1,3-Dichloropropene	25.0	23.8	95.3	74.0-127	
2,2-Dichloropropane	25.0	21.1	84.2	60.0-125	
Di-isopropyl ether	25.0	22.5	90.0	59.0-133	
Ethylbenzene	25.0	24.5	98.0	77.0-120	
Hexachloro-1,3-butadiene	25.0	22.1	88.6	64.0-131	
Isopropylbenzene	25.0	24.7	98.6	75.0-120	
p-Isopropyltoluene	25.0	23.5	94.2	74.0-126	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3286721-1 02/12/18 04:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	125	117	93.5	37.0-158	
Methylene Chloride	25.0	21.6	86.5	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	130	104	59.0-143	
Methyl tert-butyl ether	25.0	26.4	106	64.0-123	
Naphthalene	25.0	25.0	99.9	62.0-128	
n-Propylbenzene	25.0	22.9	91.6	79.0-120	
Styrene	25.0	24.8	99.2	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.1	101	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	22.3	89.2	71.0-122	
Tetrachloroethene	25.0	24.1	96.5	70.0-127	
Toluene	25.0	24.0	96.0	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	25.0	99.8	61.0-136	
1,2,3-Trichlorobenzene	25.0	25.3	101	61.0-133	
1,2,4-Trichlorobenzene	25.0	26.4	106	69.0-129	
1,1,1-Trichloroethane	25.0	25.0	99.8	68.0-122	
1,1,2-Trichloroethane	25.0	27.7	111	78.0-120	
Trichloroethene	25.0	25.4	102	78.0-120	
Trichlorofluoromethane	25.0	24.9	99.7	56.0-137	
1,2,3-Trichloropropane	25.0	25.3	101	72.0-124	
1,2,3-Trimethylbenzene	25.0	25.2	101	75.0-120	
1,2,4-Trimethylbenzene	25.0	25.2	101	75.0-120	
1,3,5-Trimethylbenzene	25.0	25.1	101	75.0-120	
Vinyl chloride	25.0	21.8	87.1	64.0-133	
Xylenes, Total	75.0	73.8	98.4	77.0-120	
(S) Toluene-d8			98.1	80.0-120	
(S) Dibromofluoromethane			98.8	76.0-123	
(S) 4-Bromofluorobenzene			104	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L969268-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L969268-04 02/15/18 20:19 • (MS) R3286876-1 02/15/18 20:59 • (MSD) R3286876-2 02/15/18 21:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	125	ND	87.3	79.2	69.9	63.3	1	10.0-139			9.81	25
Acrolein	125	ND	98.0	99.4	78.4	79.5	1	10.0-160			1.42	25
Acrylonitrile	125	ND	102	97.9	81.4	78.3	1	46.0-159			3.94	23
Benzene	25.0	ND	22.4	22.4	88.1	88.0	1	34.0-147			0.168	20
Bromobenzene	25.0	ND	25.9	26.1	104	104	1	51.0-137			0.822	20
Bromodichloromethane	25.0	ND	29.8	30.1	119	121	1	52.0-135			1.17	20



L969268-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L969268-04 02/15/18 20:19 • (MS) R3286876-1 02/15/18 20:59 • (MSD) R3286876-2 02/15/18 21:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	25.0	ND	28.5	29.2	114	117	1	50.0-146			2.41	20
Bromomethane	25.0	ND	27.3	28.6	109	115	1	10.0-160			4.87	23
n-Butylbenzene	25.0	ND	23.8	24.5	95.3	97.9	1	50.0-144			2.61	20
sec-Butylbenzene	25.0	ND	24.1	24.0	96.3	95.9	1	48.0-143			0.434	20
tert-Butylbenzene	25.0	ND	24.0	23.6	96.1	94.6	1	50.0-142			1.63	20
Carbon disulfide	25.0	ND	19.8	20.2	79.2	80.8	1	10.0-147			1.99	20
Carbon tetrachloride	25.0	ND	27.5	27.6	110	110	1	41.0-138			0.449	20
Chlorobenzene	25.0	ND	27.7	29.3	111	117	1	52.0-141			5.73	20
Chlorodibromomethane	25.0	ND	30.7	32.1	123	128	1	54.0-142			4.38	20
Chloroethane	25.0	ND	21.3	24.5	85.1	98.0	1	23.0-160			14.1	20
Chloroform	25.0	ND	26.6	27.2	106	109	1	50.0-139			2.26	20
Chloromethane	25.0	ND	22.9	23.4	91.6	93.7	1	14.0-151			2.30	20
2-Chlorotoluene	25.0	ND	25.8	26.2	103	105	1	48.0-142			1.28	20
4-Chlorotoluene	25.0	ND	25.0	25.6	99.9	102	1	52.0-139			2.33	20
1,2-Dibromo-3-Chloropropane	25.0	ND	20.2	21.2	80.7	84.7	1	49.0-144			4.89	24
1,2-Dibromoethane	25.0	ND	28.1	29.0	113	116	1	54.0-140			2.92	20
Dibromomethane	25.0	ND	27.4	28.2	109	113	1	53.0-138			2.88	20
1,2-Dichlorobenzene	25.0	ND	24.6	24.8	98.3	99.1	1	56.0-139			0.812	20
1,3-Dichlorobenzene	25.0	ND	25.4	24.7	101	98.9	1	50.0-141			2.57	20
1,4-Dichlorobenzene	25.0	ND	25.5	25.1	102	100	1	53.0-136			1.59	20
Dichlorodifluoromethane	25.0	ND	26.2	26.6	105	106	1	20.0-160			1.52	21
1,1-Dichloroethane	25.0	ND	24.6	25.0	98.6	100	1	47.0-143			1.43	20
1,2-Dichloroethane	25.0	ND	29.6	29.6	118	119	1	47.0-141			0.120	20
1,1-Dichloroethene	25.0	ND	24.4	24.8	97.7	99.4	1	31.0-148			1.75	20
cis-1,2-Dichloroethene	25.0	ND	23.5	24.2	93.9	96.8	1	43.0-142			3.10	20
trans-1,2-Dichloroethene	25.0	ND	23.7	24.0	94.8	95.8	1	36.0-141			1.12	20
1,2-Dichloropropane	25.0	ND	25.5	26.0	102	104	1	51.0-141			1.93	20
1,1-Dichloropropene	25.0	ND	24.5	25.6	98.0	102	1	42.0-146			4.21	20
1,3-Dichloropropane	25.0	ND	27.6	28.7	111	115	1	58.0-139			3.72	20
cis-1,3-Dichloropropene	25.0	ND	24.3	26.4	97.1	106	1	53.0-139			8.43	20
trans-1,3-Dichloropropene	25.0	ND	25.6	27.6	103	110	1	51.0-143			7.40	20
2,2-Dichloropropane	25.0	ND	27.7	27.7	111	111	1	43.0-139			0.0255	20
Di-isopropyl ether	25.0	ND	22.5	22.9	90.0	91.6	1	44.0-144			1.75	20
Ethylbenzene	25.0	ND	26.2	27.7	105	111	1	42.0-147			5.78	20
Hexachloro-1,3-butadiene	25.0	ND	24.5	23.3	97.9	93.3	1	44.0-146			4.82	21
Isopropylbenzene	25.0	ND	25.4	25.6	102	102	1	48.0-141			0.709	20
p-Isopropyltoluene	25.0	ND	24.4	25.7	97.7	103	1	49.0-146			5.05	20
2-Butanone (MEK)	125	ND	97.5	94.9	78.0	75.9	1	12.0-149			2.77	24
Methylene Chloride	25.0	ND	21.1	22.1	84.3	88.4	1	42.0-135			4.83	20
4-Methyl-2-pentanone (MIBK)	125	ND	125	133	100	107	1	44.0-160			6.11	22

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L969268-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L969268-04 02/15/18 20:19 • (MS) R3286876-1 02/15/18 20:59 • (MSD) R3286876-2 02/15/18 21:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	25.0	ND	25.8	26.8	103	107	1	42.0-142			3.90	20
Naphthalene	25.0	ND	20.4	21.3	81.5	85.2	1	42.0-146			4.41	24
n-Propylbenzene	25.0	ND	24.1	24.4	96.2	97.6	1	47.0-144			1.43	20
Styrene	25.0	ND	25.2	24.7	101	98.7	1	47.0-147			1.96	20
1,1,1,2-Tetrachloroethane	25.0	ND	28.8	30.8	115	123	1	52.0-140			6.46	20
1,1,2,2-Tetrachloroethane	25.0	ND	23.5	24.0	93.9	96.2	1	46.0-149			2.39	20
Tetrachloroethene	25.0	ND	27.2	29.6	109	118	1	38.0-147			8.37	20
Toluene	25.0	ND	26.3	27.7	103	109	1	42.0-141			4.96	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	26.2	25.7	105	103	1	40.0-151			1.92	21
1,2,3-Trichlorobenzene	25.0	ND	21.4	22.0	85.7	88.1	1	45.0-145			2.74	22
1,2,4-Trichlorobenzene	25.0	ND	23.3	24.9	93.4	99.5	1	49.0-147			6.40	21
1,1,1-Trichloroethane	25.0	ND	28.5	28.8	114	115	1	46.0-140			0.987	20
1,1,2-Trichloroethane	25.0	ND	30.0	29.2	120	117	1	54.0-139			2.48	20
Trichloroethene	25.0	ND	26.2	27.4	105	110	1	32.0-156			4.58	20
Trichlorofluoromethane	25.0	ND	27.8	30.0	111	120	1	32.0-152			7.40	20
1,2,3-Trichloropropane	25.0	ND	27.9	27.7	112	111	1	54.0-143			0.959	21
1,2,3-Trimethylbenzene	25.0	ND	24.9	25.9	99.5	103	1	48.0-138			3.91	20
1,2,4-Trimethylbenzene	25.0	ND	26.6	26.3	107	105	1	41.0-146			1.24	20
1,3,5-Trimethylbenzene	25.0	ND	25.7	25.8	103	103	1	44.0-143			0.525	20
Vinyl chloride	25.0	ND	24.9	24.5	99.7	98.2	1	24.0-153			1.60	20
Xylenes, Total	75.0	ND	78.3	82.7	104	110	1	41.0-148			5.47	20
(S) Toluene-d8					100	102		80.0-120				
(S) Dibromofluoromethane					98.7	98.1		76.0-123				
(S) 4-Bromofluorobenzene					105	99.5		80.0-120				

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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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, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



ESC Lab Sciences 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 ESC Lab Sciences.

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	TN2000002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

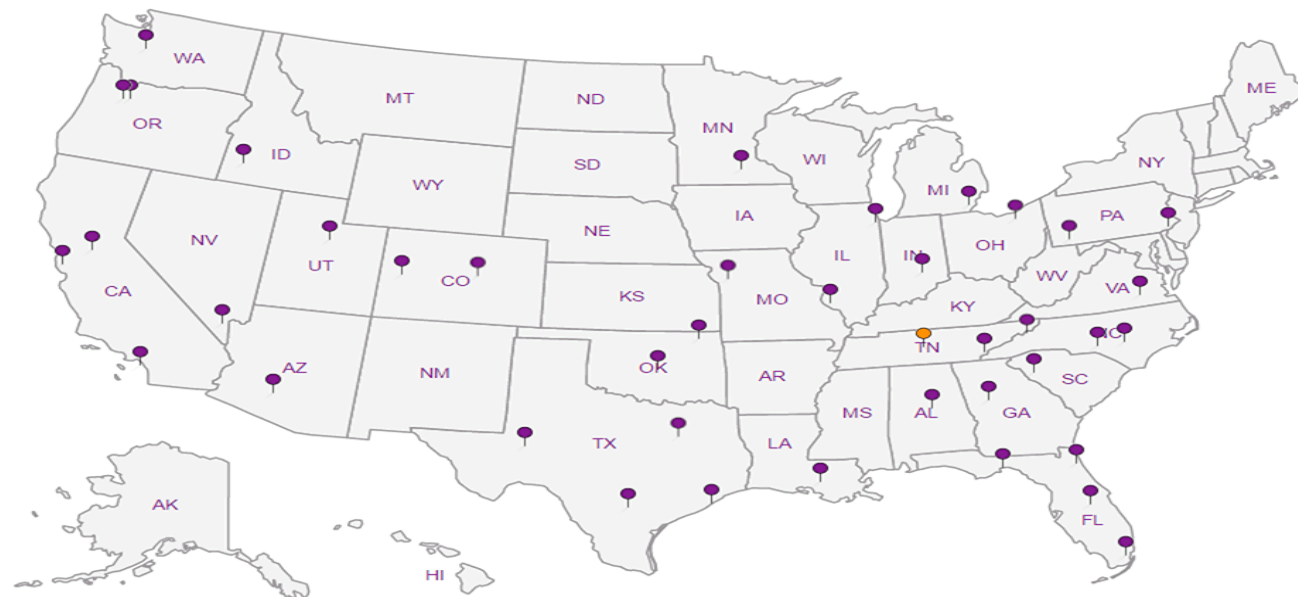
Third Party Federal Accreditations

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

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

Our Locations

ESC Lab Sciences 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. ESC Lab Sciences performs all testing at our central laboratory.



[illegible]

Cascade Corporation- Fairview, OR

2201 NE 201st Avenue
Fairview, OR 97024-9718

Report to:
Erin Dunbar/Cindy Bartlett

Project Description: *Cascade TSA*

Phone: 503-669-6286
Fax:

Collected by (print):
Pat Y. Dunbar

Collected by (signature):
Pat Y. Dunbar

Immediately Packed on Ice N ☐ Y ☒

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

Email To: CBartlett@Geosyntec.com;
edunbar@Geosyntec.com

City/State Collected:
Lab Project #
CASCORFOR-PNG0564S17

P.O. #

Quote #

Date Results Needed

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3



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



L# *L969284*

Table #

Acctnum: CASCORFOR

Template: T132062

Prelogin: P636529

TSR: 110 - Brian Ford

PB: *1-26-18*

Shipped Via: FedEx Ground

Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis	Container	Preservative
EW8-020817-L		GW		2/8/18	10:40	3	X		
VMWA-020818		GW		2/8/18	10:55	3	X		
VMWB-020818		GW		2/8/18	10:15	3	X		
VMWC-020818		GW		2/8/18	11:15	3	X		
VMWD-020818		GW		2/8/18	10:35	3	X		
Trip Blank Lot 383		GW		2/7/18	NA	1	X		
Temp Blank		GW		NA	NA	1	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		

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

Remarks: (20) PDBs

Samples returned via:
UPS FedEx Courier

Tracking #

pH Temp
Flow Other

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

Relinquished by: (Signature)

Date: 2/8/18
Time: 14:00

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: 23°C
Bottles Received: 76

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Date: 2/9/18
Time: 8:55

Hold: Condition:
NCF / OK