

November 15, 2021

Cascade Corporation- Fairview, OR

Sample Delivery Group: L1427184
Samples Received: 11/04/2021
Project Number: PNG0564S21
Description: Cascade TSA

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

Entire Report Reviewed By:



Brian Ford
Project Manager

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Pace Analytical National

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

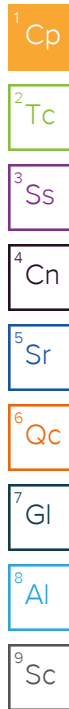


TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
VMWA-110321 L1427184-01	6
VMWB-110321 L1427184-02	8
VMWC-110321 L1427184-03	10
VMWH-110321 L1427184-04	12
VMWJ2-110321-120.25 L1427184-05	14
VMWJ2-110321-120.25-DUP L1427184-06	16
VMWK-110321-114.25 L1427184-07	18
VMWL-110321-103.25 L1427184-08	20
VMWM-110321-94 L1427184-09	22
VMWN-110321-110.8 L1427184-10	24
VMWD-110321 L1427184-11	26
VMWG-110321 L1427184-12	28
VMWF-110321 L1427184-13	30
VMWE-110321 L1427184-14	32
VMWI-110321-143.7 L1427184-15	34
TRIP BLANK LOT#472 L1427184-16	36
Qc: Quality Control Summary	38
Volatile Organic Compounds (GC/MS) by Method 8260D	38
Gl: Glossary of Terms	46
Al: Accreditations & Locations	47
Sc: Sample Chain of Custody	48

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

SAMPLE SUMMARY

VMWA-110321 L1427184-01 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 08:30	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 06:05	11/08/21 06:05	JAH	Mt. Juliet, TN

VMWB-110321 L1427184-02 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 09:00	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 06:26	11/08/21 06:26	JAH	Mt. Juliet, TN

VMWC-110321 L1427184-03 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 09:30	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 06:48	11/08/21 06:48	JAH	Mt. Juliet, TN

VMWH-110321 L1427184-04 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 09:50	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 07:09	11/08/21 07:09	JAH	Mt. Juliet, TN

VMWJ2-110321-120.25 L1427184-05 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 10:30	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 07:31	11/08/21 07:31	JAH	Mt. Juliet, TN

VMWJ2-110321-120.25-DUP L1427184-06 GW

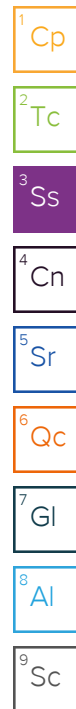
				Collected by Pat Yadon	Collected date/time 11/03/21 10:31	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 07:52	11/08/21 07:52	JAH	Mt. Juliet, TN

VMWK-110321-114.25 L1427184-07 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 10:50	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770432	1	11/08/21 08:13	11/08/21 08:13	JAH	Mt. Juliet, TN

VMWL-110321-103.25 L1427184-08 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 11:05	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 08:28	11/10/21 08:28	ADM	Mt. Juliet, TN



SAMPLE SUMMARY

VMWM-110321-94 L1427184-09 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 11:30	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 08:47	11/10/21 08:47	ADM	Mt. Juliet, TN

VMWN-110321-110.8 L1427184-10 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 11:55	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 09:17	11/10/21 09:17	ADM	Mt. Juliet, TN

VMWD-110321 L1427184-11 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 13:00	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 09:36	11/10/21 09:36	ADM	Mt. Juliet, TN

VMWG-110321 L1427184-12 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 13:30	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 09:55	11/10/21 09:55	ADM	Mt. Juliet, TN

VMWF-110321 L1427184-13 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 13:55	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 10:15	11/10/21 10:15	ADM	Mt. Juliet, TN

VMWE-110321 L1427184-14 GW

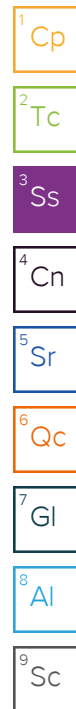
				Collected by Pat Yadon	Collected date/time 11/03/21 14:00	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 10:34	11/10/21 10:34	ADM	Mt. Juliet, TN

VMWI-110321-143.7 L1427184-15 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 14:45	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 10:53	11/10/21 10:53	ADM	Mt. Juliet, TN

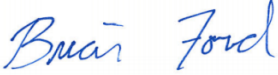
TRIP BLANK LOT#472 L1427184-16 GW

				Collected by Pat Yadon	Collected date/time 11/03/21 00:00	Received date/time 11/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1770998	1	11/10/21 05:36	11/10/21 05:36	ADM	Mt. Juliet, TN



CASE NARRATIVE

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

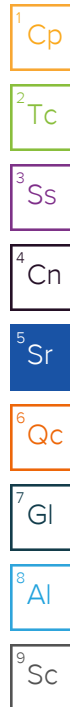


Brian Ford
Project Manager

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	218		11.3	25.0	1	11/08/2021 06:05	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 06:05	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 06:05	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 06:05	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 06:05	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 06:05	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 06:05	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 06:05	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 06:05	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 06:05	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 06:05	WG1770432
Carbon disulfide	0.148	J	0.0962	0.500	1	11/08/2021 06:05	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 06:05	WG1770432
Chlorobenzene	0.318	J	0.117	0.500	1	11/08/2021 06:05	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 06:05	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 06:05	WG1770432
Chloroform	0.191	J	0.111	0.500	1	11/08/2021 06:05	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 06:05	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 06:05	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 06:05	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 06:05	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 06:05	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 06:05	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 06:05	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 06:05	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 06:05	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 06:05	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 06:05	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 06:05	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 06:05	WG1770432
cis-1,2-Dichloroethene	0.349	J	0.126	0.500	1	11/08/2021 06:05	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 06:05	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 06:05	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 06:05	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 06:05	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 06:05	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 06:05	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 06:05	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 06:05	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 06:05	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 06:05	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 06:05	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 06:05	WG1770432
2-Butanone (MEK)	25.1		1.19	5.00	1	11/08/2021 06:05	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 06:05	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 06:05	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 06:05	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 06:05	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 06:05	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 06:05	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 06:05	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 06:05	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 06:05	WG1770432
Tetrachloroethene	U		0.300	0.500	1	11/08/2021 06:05	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 06:05	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 06:05	WG1770432



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 06:05	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 06:05	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 06:05	WG1770432
Trichloroethene	2.12		0.190	0.500	1	11/08/2021 06:05	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 06:05	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 06:05	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 06:05	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:05	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:05	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 06:05	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 06:05	WG1770432
(S) Toluene-d8	104			80.0-120		11/08/2021 06:05	WG1770432
(S) 4-Bromofluorobenzene	91.4			77.0-126		11/08/2021 06:05	WG1770432
(S) 1,2-Dichloroethane-d4	118			70.0-130		11/08/2021 06:05	WG1770432

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	280		11.3	25.0	1	11/08/2021 06:26	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 06:26	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 06:26	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 06:26	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 06:26	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 06:26	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 06:26	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 06:26	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 06:26	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 06:26	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 06:26	WG1770432
Carbon disulfide	U		0.0962	0.500	1	11/08/2021 06:26	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 06:26	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 06:26	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 06:26	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 06:26	WG1770432
Chloroform	0.898		0.111	0.500	1	11/08/2021 06:26	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 06:26	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 06:26	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 06:26	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 06:26	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 06:26	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 06:26	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 06:26	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 06:26	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 06:26	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 06:26	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 06:26	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 06:26	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 06:26	WG1770432
cis-1,2-Dichloroethene	2.19		0.126	0.500	1	11/08/2021 06:26	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 06:26	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 06:26	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 06:26	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 06:26	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 06:26	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 06:26	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 06:26	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 06:26	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 06:26	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 06:26	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 06:26	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 06:26	WG1770432
2-Butanone (MEK)	24.3		1.19	5.00	1	11/08/2021 06:26	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 06:26	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 06:26	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 06:26	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 06:26	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 06:26	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 06:26	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 06:26	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 06:26	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 06:26	WG1770432
Tetrachloroethene	0.564		0.300	0.500	1	11/08/2021 06:26	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 06:26	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 06:26	WG1770432

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

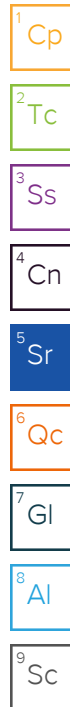
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 06:26	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 06:26	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 06:26	WG1770432
Trichloroethene	12.4		0.190	0.500	1	11/08/2021 06:26	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 06:26	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 06:26	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 06:26	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:26	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:26	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 06:26	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 06:26	WG1770432
(S) Toluene-d8	110			80.0-120		11/08/2021 06:26	WG1770432
(S) 4-Bromofluorobenzene	90.8			77.0-126		11/08/2021 06:26	WG1770432
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/08/2021 06:26	WG1770432

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	177		11.3	25.0	1	11/08/2021 06:48	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 06:48	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 06:48	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 06:48	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 06:48	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 06:48	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 06:48	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 06:48	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 06:48	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 06:48	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 06:48	WG1770432
Carbon disulfide	0.135	J	0.0962	0.500	1	11/08/2021 06:48	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 06:48	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 06:48	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 06:48	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 06:48	WG1770432
Chloroform	0.142	J	0.111	0.500	1	11/08/2021 06:48	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 06:48	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 06:48	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 06:48	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 06:48	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 06:48	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 06:48	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 06:48	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 06:48	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 06:48	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 06:48	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 06:48	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 06:48	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 06:48	WG1770432
cis-1,2-Dichloroethene	0.214	J	0.126	0.500	1	11/08/2021 06:48	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 06:48	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 06:48	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 06:48	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 06:48	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 06:48	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 06:48	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 06:48	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 06:48	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 06:48	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 06:48	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 06:48	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 06:48	WG1770432
2-Butanone (MEK)	21.4		1.19	5.00	1	11/08/2021 06:48	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 06:48	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 06:48	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 06:48	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 06:48	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 06:48	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 06:48	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 06:48	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 06:48	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 06:48	WG1770432
Tetrachloroethene	U		0.300	0.500	1	11/08/2021 06:48	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 06:48	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 06:48	WG1770432



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 06:48	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 06:48	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 06:48	WG1770432
Trichloroethene	2.12		0.190	0.500	1	11/08/2021 06:48	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 06:48	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 06:48	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 06:48	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:48	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 06:48	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 06:48	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 06:48	WG1770432
(S) Toluene-d8	103			80.0-120		11/08/2021 06:48	WG1770432
(S) 4-Bromofluorobenzene	89.0			77.0-126		11/08/2021 06:48	WG1770432
(S) 1,2-Dichloroethane-d4	120			70.0-130		11/08/2021 06:48	WG1770432

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	33.0		11.3	25.0	1	11/08/2021 07:09	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 07:09	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 07:09	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 07:09	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 07:09	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 07:09	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 07:09	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 07:09	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 07:09	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 07:09	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 07:09	WG1770432
Carbon disulfide	U		0.0962	0.500	1	11/08/2021 07:09	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 07:09	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 07:09	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 07:09	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 07:09	WG1770432
Chloroform	U		0.111	0.500	1	11/08/2021 07:09	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 07:09	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 07:09	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 07:09	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 07:09	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 07:09	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 07:09	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 07:09	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 07:09	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 07:09	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 07:09	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 07:09	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 07:09	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 07:09	WG1770432
cis-1,2-Dichloroethene	0.165	J	0.126	0.500	1	11/08/2021 07:09	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 07:09	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 07:09	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 07:09	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 07:09	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 07:09	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 07:09	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 07:09	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 07:09	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 07:09	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 07:09	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 07:09	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 07:09	WG1770432
2-Butanone (MEK)	1.72	J	1.19	5.00	1	11/08/2021 07:09	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 07:09	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 07:09	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 07:09	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 07:09	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 07:09	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 07:09	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 07:09	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 07:09	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 07:09	WG1770432
Tetrachloroethene	U		0.300	0.500	1	11/08/2021 07:09	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 07:09	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 07:09	WG1770432

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

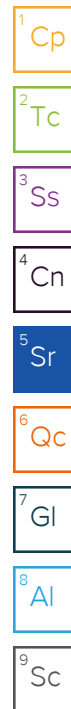
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 07:09	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 07:09	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 07:09	WG1770432
Trichloroethene	0.374	J	0.190	0.500	1	11/08/2021 07:09	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 07:09	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 07:09	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 07:09	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:09	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:09	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 07:09	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 07:09	WG1770432
(S) Toluene-d8	107			80.0-120		11/08/2021 07:09	WG1770432
(S) 4-Bromofluorobenzene	92.6			77.0-126		11/08/2021 07:09	WG1770432
(S) 1,2-Dichloroethane-d4	117			70.0-130		11/08/2021 07:09	WG1770432



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	83.2		11.3	25.0	1	11/08/2021 07:31	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 07:31	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 07:31	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 07:31	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 07:31	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 07:31	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 07:31	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 07:31	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 07:31	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 07:31	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 07:31	WG1770432
Carbon disulfide	U		0.0962	0.500	1	11/08/2021 07:31	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 07:31	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 07:31	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 07:31	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 07:31	WG1770432
Chloroform	0.816		0.111	0.500	1	11/08/2021 07:31	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 07:31	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 07:31	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 07:31	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 07:31	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 07:31	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 07:31	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 07:31	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 07:31	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 07:31	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 07:31	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 07:31	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 07:31	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 07:31	WG1770432
cis-1,2-Dichloroethene	6.18		0.126	0.500	1	11/08/2021 07:31	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 07:31	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 07:31	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 07:31	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 07:31	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 07:31	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 07:31	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 07:31	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 07:31	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 07:31	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 07:31	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 07:31	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 07:31	WG1770432
2-Butanone (MEK)	1.67	J	1.19	5.00	1	11/08/2021 07:31	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 07:31	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 07:31	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 07:31	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 07:31	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 07:31	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 07:31	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 07:31	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 07:31	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 07:31	WG1770432
Tetrachloroethene	1.13		0.300	0.500	1	11/08/2021 07:31	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 07:31	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 07:31	WG1770432

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 07:31	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 07:31	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 07:31	WG1770432
Trichloroethene	42.4		0.190	0.500	1	11/08/2021 07:31	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 07:31	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 07:31	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 07:31	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:31	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:31	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 07:31	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 07:31	WG1770432
(S) Toluene-d8	107			80.0-120		11/08/2021 07:31	WG1770432
(S) 4-Bromofluorobenzene	93.6			77.0-126		11/08/2021 07:31	WG1770432
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/08/2021 07:31	WG1770432

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	81.8		11.3	25.0	1	11/08/2021 07:52	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 07:52	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 07:52	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 07:52	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 07:52	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 07:52	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 07:52	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 07:52	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 07:52	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 07:52	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 07:52	WG1770432
Carbon disulfide	U		0.0962	0.500	1	11/08/2021 07:52	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 07:52	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 07:52	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 07:52	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 07:52	WG1770432
Chloroform	0.743		0.111	0.500	1	11/08/2021 07:52	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 07:52	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 07:52	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 07:52	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 07:52	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 07:52	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 07:52	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 07:52	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 07:52	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 07:52	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 07:52	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 07:52	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 07:52	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 07:52	WG1770432
cis-1,2-Dichloroethene	5.96		0.126	0.500	1	11/08/2021 07:52	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 07:52	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 07:52	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 07:52	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 07:52	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 07:52	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 07:52	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 07:52	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 07:52	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 07:52	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 07:52	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 07:52	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 07:52	WG1770432
2-Butanone (MEK)	1.28	J	1.19	5.00	1	11/08/2021 07:52	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 07:52	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 07:52	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 07:52	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 07:52	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 07:52	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 07:52	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 07:52	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 07:52	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 07:52	WG1770432
Tetrachloroethene	1.30		0.300	0.500	1	11/08/2021 07:52	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 07:52	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 07:52	WG1770432

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 07:52	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 07:52	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 07:52	WG1770432
Trichloroethene	43.1		0.190	0.500	1	11/08/2021 07:52	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 07:52	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 07:52	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 07:52	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:52	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 07:52	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 07:52	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 07:52	WG1770432
(S) Toluene-d8	110			80.0-120		11/08/2021 07:52	WG1770432
(S) 4-Bromofluorobenzene	95.4			77.0-126		11/08/2021 07:52	WG1770432
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/08/2021 07:52	WG1770432

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

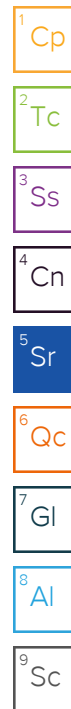
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	11/08/2021 08:13	WG1770432
Acrolein	U		2.54	50.0	1	11/08/2021 08:13	WG1770432
Acrylonitrile	U		0.671	5.00	1	11/08/2021 08:13	WG1770432
Benzene	U		0.0941	0.500	1	11/08/2021 08:13	WG1770432
Bromobenzene	U		0.118	0.500	1	11/08/2021 08:13	WG1770432
Bromodichloromethane	U		0.136	0.500	1	11/08/2021 08:13	WG1770432
Bromoform	U	C3 J4	0.129	0.500	1	11/08/2021 08:13	WG1770432
Bromomethane	U	C3 J3	0.605	2.50	1	11/08/2021 08:13	WG1770432
n-Butylbenzene	U		0.157	0.500	1	11/08/2021 08:13	WG1770432
sec-Butylbenzene	U		0.125	0.500	1	11/08/2021 08:13	WG1770432
tert-Butylbenzene	U		0.127	0.500	1	11/08/2021 08:13	WG1770432
Carbon disulfide	U		0.0962	0.500	1	11/08/2021 08:13	WG1770432
Carbon tetrachloride	U	C3 J4	0.128	0.500	1	11/08/2021 08:13	WG1770432
Chlorobenzene	U		0.117	0.500	1	11/08/2021 08:13	WG1770432
Chlorodibromomethane	U	C3	0.140	0.500	1	11/08/2021 08:13	WG1770432
Chloroethane	U		0.192	2.50	1	11/08/2021 08:13	WG1770432
Chloroform	U		0.111	0.500	1	11/08/2021 08:13	WG1770432
Chloromethane	U		0.960	1.25	1	11/08/2021 08:13	WG1770432
2-Chlorotoluene	U		0.106	0.500	1	11/08/2021 08:13	WG1770432
4-Chlorotoluene	U		0.114	0.500	1	11/08/2021 08:13	WG1770432
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/08/2021 08:13	WG1770432
1,2-Dibromoethane	U		0.126	0.500	1	11/08/2021 08:13	WG1770432
Dibromomethane	U		0.122	0.500	1	11/08/2021 08:13	WG1770432
1,2-Dichlorobenzene	U		0.107	0.500	1	11/08/2021 08:13	WG1770432
1,3-Dichlorobenzene	U		0.299	0.500	1	11/08/2021 08:13	WG1770432
1,4-Dichlorobenzene	U		0.120	0.500	1	11/08/2021 08:13	WG1770432
Dichlorodifluoromethane	U		0.374	2.50	1	11/08/2021 08:13	WG1770432
1,1-Dichloroethane	U		0.100	0.500	1	11/08/2021 08:13	WG1770432
1,2-Dichloroethane	U	J3 J4	0.0819	0.500	1	11/08/2021 08:13	WG1770432
1,1-Dichloroethene	U		0.188	0.500	1	11/08/2021 08:13	WG1770432
cis-1,2-Dichloroethene	6.55		0.126	0.500	1	11/08/2021 08:13	WG1770432
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/08/2021 08:13	WG1770432
1,2-Dichloropropane	U		0.149	0.500	1	11/08/2021 08:13	WG1770432
1,1-Dichloropropene	U		0.142	0.500	1	11/08/2021 08:13	WG1770432
1,3-Dichloropropane	U		0.109	1.00	1	11/08/2021 08:13	WG1770432
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/08/2021 08:13	WG1770432
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/08/2021 08:13	WG1770432
2,2-Dichloropropane	U		0.161	0.500	1	11/08/2021 08:13	WG1770432
Di-isopropyl ether	U		0.105	0.500	1	11/08/2021 08:13	WG1770432
Ethylbenzene	U		0.137	0.500	1	11/08/2021 08:13	WG1770432
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	11/08/2021 08:13	WG1770432
Isopropylbenzene	U		0.105	0.500	1	11/08/2021 08:13	WG1770432
p-Isopropyltoluene	U		0.120	0.500	1	11/08/2021 08:13	WG1770432
2-Butanone (MEK)	2.94	J	1.19	5.00	1	11/08/2021 08:13	WG1770432
Methylene Chloride	U		0.430	2.50	1	11/08/2021 08:13	WG1770432
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/08/2021 08:13	WG1770432
Methyl tert-butyl ether	U		0.101	0.500	1	11/08/2021 08:13	WG1770432
Naphthalene	U	C3	0.174	2.50	1	11/08/2021 08:13	WG1770432
n-Propylbenzene	U		0.0993	0.500	1	11/08/2021 08:13	WG1770432
Styrene	U		0.118	0.500	1	11/08/2021 08:13	WG1770432
1,1,1,2-Tetrachloroethane	U	C3 J4	0.147	0.500	1	11/08/2021 08:13	WG1770432
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/08/2021 08:13	WG1770432
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/08/2021 08:13	WG1770432
Tetrachloroethene	1.92		0.300	0.500	1	11/08/2021 08:13	WG1770432
Toluene	U		0.278	0.500	1	11/08/2021 08:13	WG1770432
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/08/2021 08:13	WG1770432

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	11/08/2021 08:13	WG1770432
1,1,1-Trichloroethane	U		0.149	0.500	1	11/08/2021 08:13	WG1770432
1,1,2-Trichloroethane	U		0.158	0.500	1	11/08/2021 08:13	WG1770432
Trichloroethene	50.4		0.190	0.500	1	11/08/2021 08:13	WG1770432
Trichlorofluoromethane	U		0.160	2.50	1	11/08/2021 08:13	WG1770432
1,2,3-Trichloropropane	U		0.237	2.50	1	11/08/2021 08:13	WG1770432
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/08/2021 08:13	WG1770432
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 08:13	WG1770432
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/08/2021 08:13	WG1770432
Vinyl chloride	U		0.234	0.500	1	11/08/2021 08:13	WG1770432
Xylenes, Total	U		0.174	1.50	1	11/08/2021 08:13	WG1770432
(S) Toluene-d8	105			80.0-120		11/08/2021 08:13	WG1770432
(S) 4-Bromofluorobenzene	91.8			77.0-126		11/08/2021 08:13	WG1770432
(S) 1,2-Dichloroethane-d4	117			70.0-130		11/08/2021 08:13	WG1770432



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	32.7		11.3	25.0	1	11/10/2021 08:28	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 08:28	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 08:28	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 08:28	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 08:28	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 08:28	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 08:28	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 08:28	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 08:28	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 08:28	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 08:28	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 08:28	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 08:28	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 08:28	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 08:28	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 08:28	WG1770998
Chloroform	0.168	J	0.111	0.500	1	11/10/2021 08:28	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 08:28	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 08:28	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 08:28	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 08:28	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 08:28	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 08:28	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 08:28	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 08:28	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 08:28	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 08:28	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 08:28	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 08:28	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 08:28	WG1770998
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/10/2021 08:28	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 08:28	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 08:28	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 08:28	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 08:28	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 08:28	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 08:28	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 08:28	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 08:28	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 08:28	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 08:28	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 08:28	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 08:28	WG1770998
2-Butanone (MEK)	3.22	J	1.19	5.00	1	11/10/2021 08:28	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 08:28	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 08:28	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 08:28	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 08:28	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 08:28	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 08:28	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 08:28	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 08:28	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 08:28	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 08:28	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 08:28	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 08:28	WG1770998

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 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 08:28	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 08:28	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 08:28	WG1770998
Trichloroethene	U		0.190	0.500	1	11/10/2021 08:28	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 08:28	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 08:28	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 08:28	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 08:28	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 08:28	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 08:28	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 08:28	WG1770998
(S) Toluene-d8	114			80.0-120		11/10/2021 08:28	WG1770998
(S) 4-Bromofluorobenzene	98.5			77.0-126		11/10/2021 08:28	WG1770998
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/10/2021 08:28	WG1770998

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	11/10/2021 08:47	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 08:47	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 08:47	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 08:47	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 08:47	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 08:47	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 08:47	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 08:47	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 08:47	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 08:47	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 08:47	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 08:47	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 08:47	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 08:47	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 08:47	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 08:47	WG1770998
Chloroform	0.399	J	0.111	0.500	1	11/10/2021 08:47	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 08:47	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 08:47	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 08:47	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 08:47	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 08:47	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 08:47	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 08:47	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 08:47	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 08:47	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 08:47	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 08:47	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 08:47	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 08:47	WG1770998
cis-1,2-Dichloroethene	0.441	J	0.126	0.500	1	11/10/2021 08:47	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 08:47	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 08:47	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 08:47	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 08:47	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 08:47	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 08:47	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 08:47	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 08:47	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 08:47	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 08:47	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 08:47	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 08:47	WG1770998
2-Butanone (MEK)	U		1.19	5.00	1	11/10/2021 08:47	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 08:47	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 08:47	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 08:47	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 08:47	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 08:47	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 08:47	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 08:47	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 08:47	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 08:47	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 08:47	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 08:47	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 08:47	WG1770998

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 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 08:47	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 08:47	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 08:47	WG1770998
Trichloroethene	3.39		0.190	0.500	1	11/10/2021 08:47	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 08:47	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 08:47	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 08:47	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 08:47	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 08:47	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 08:47	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 08:47	WG1770998
(S) Toluene-d8	113			80.0-120		11/10/2021 08:47	WG1770998
(S) 4-Bromofluorobenzene	99.5			77.0-126		11/10/2021 08:47	WG1770998
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/10/2021 08:47	WG1770998

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	42.0		11.3	25.0	1	11/10/2021 09:17	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 09:17	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 09:17	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 09:17	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 09:17	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 09:17	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 09:17	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 09:17	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 09:17	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 09:17	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 09:17	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 09:17	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 09:17	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 09:17	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 09:17	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 09:17	WG1770998
Chloroform	0.751		0.111	0.500	1	11/10/2021 09:17	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 09:17	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 09:17	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 09:17	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 09:17	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 09:17	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 09:17	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 09:17	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 09:17	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 09:17	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 09:17	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 09:17	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 09:17	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 09:17	WG1770998
cis-1,2-Dichloroethene	2.15		0.126	0.500	1	11/10/2021 09:17	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 09:17	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 09:17	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 09:17	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 09:17	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 09:17	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 09:17	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 09:17	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 09:17	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 09:17	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 09:17	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 09:17	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 09:17	WG1770998
2-Butanone (MEK)	2.25	J	1.19	5.00	1	11/10/2021 09:17	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 09:17	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 09:17	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 09:17	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 09:17	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 09:17	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 09:17	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 09:17	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 09:17	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 09:17	WG1770998
Tetrachloroethene	0.533		0.300	0.500	1	11/10/2021 09:17	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 09:17	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 09:17	WG1770998

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 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 09:17	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 09:17	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 09:17	WG1770998
Trichloroethene	11.6		0.190	0.500	1	11/10/2021 09:17	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 09:17	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 09:17	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 09:17	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:17	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:17	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 09:17	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 09:17	WG1770998
(S) Toluene-d8	113			80.0-120		11/10/2021 09:17	WG1770998
(S) 4-Bromofluorobenzene	99.9			77.0-126		11/10/2021 09:17	WG1770998
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/10/2021 09:17	WG1770998

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	11/10/2021 09:36	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 09:36	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 09:36	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 09:36	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 09:36	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 09:36	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 09:36	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 09:36	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 09:36	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 09:36	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 09:36	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 09:36	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 09:36	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 09:36	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 09:36	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 09:36	WG1770998
Chloroform	0.622		0.111	0.500	1	11/10/2021 09:36	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 09:36	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 09:36	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 09:36	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 09:36	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 09:36	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 09:36	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 09:36	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 09:36	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 09:36	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 09:36	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 09:36	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 09:36	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 09:36	WG1770998
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/10/2021 09:36	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 09:36	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 09:36	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 09:36	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 09:36	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 09:36	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 09:36	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 09:36	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 09:36	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 09:36	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 09:36	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 09:36	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 09:36	WG1770998
2-Butanone (MEK)	U		1.19	5.00	1	11/10/2021 09:36	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 09:36	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 09:36	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 09:36	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 09:36	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 09:36	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 09:36	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 09:36	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 09:36	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 09:36	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 09:36	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 09:36	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 09:36	WG1770998

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

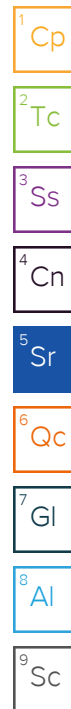
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 09:36	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 09:36	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 09:36	WG1770998
Trichloroethene	0.466	J	0.190	0.500	1	11/10/2021 09:36	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 09:36	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 09:36	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 09:36	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:36	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:36	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 09:36	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 09:36	WG1770998
(S) Toluene-d8	115			80.0-120		11/10/2021 09:36	WG1770998
(S) 4-Bromofluorobenzene	99.1			77.0-126		11/10/2021 09:36	WG1770998
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/10/2021 09:36	WG1770998



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	36.4		11.3	25.0	1	11/10/2021 09:55	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 09:55	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 09:55	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 09:55	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 09:55	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 09:55	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 09:55	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 09:55	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 09:55	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 09:55	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 09:55	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 09:55	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 09:55	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 09:55	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 09:55	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 09:55	WG1770998
Chloroform	0.161	J	0.111	0.500	1	11/10/2021 09:55	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 09:55	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 09:55	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 09:55	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 09:55	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 09:55	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 09:55	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 09:55	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 09:55	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 09:55	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 09:55	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 09:55	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 09:55	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 09:55	WG1770998
cis-1,2-Dichloroethene	0.541		0.126	0.500	1	11/10/2021 09:55	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 09:55	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 09:55	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 09:55	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 09:55	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 09:55	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 09:55	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 09:55	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 09:55	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 09:55	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 09:55	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 09:55	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 09:55	WG1770998
2-Butanone (MEK)	1.76	J	1.19	5.00	1	11/10/2021 09:55	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 09:55	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 09:55	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 09:55	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 09:55	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 09:55	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 09:55	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 09:55	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 09:55	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 09:55	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 09:55	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 09:55	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 09:55	WG1770998

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 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 09:55	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 09:55	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 09:55	WG1770998
Trichloroethene	2.07		0.190	0.500	1	11/10/2021 09:55	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 09:55	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 09:55	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 09:55	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:55	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 09:55	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 09:55	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 09:55	WG1770998
(S) Toluene-d8	113			80.0-120		11/10/2021 09:55	WG1770998
(S) 4-Bromofluorobenzene	97.2			77.0-126		11/10/2021 09:55	WG1770998
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/10/2021 09:55	WG1770998

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

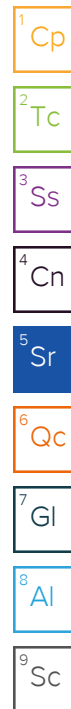
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	76.2		11.3	25.0	1	11/10/2021 10:15	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 10:15	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 10:15	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 10:15	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 10:15	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 10:15	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 10:15	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 10:15	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 10:15	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 10:15	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 10:15	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 10:15	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 10:15	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 10:15	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 10:15	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 10:15	WG1770998
Chloroform	0.179	J	0.111	0.500	1	11/10/2021 10:15	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 10:15	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 10:15	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 10:15	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 10:15	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 10:15	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 10:15	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 10:15	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 10:15	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 10:15	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 10:15	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 10:15	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 10:15	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 10:15	WG1770998
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/10/2021 10:15	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 10:15	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 10:15	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 10:15	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 10:15	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 10:15	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 10:15	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 10:15	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 10:15	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 10:15	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 10:15	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 10:15	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 10:15	WG1770998
2-Butanone (MEK)	4.24	J	1.19	5.00	1	11/10/2021 10:15	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 10:15	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 10:15	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 10:15	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 10:15	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 10:15	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 10:15	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 10:15	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 10:15	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 10:15	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 10:15	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 10:15	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 10:15	WG1770998

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 10:15	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 10:15	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 10:15	WG1770998
Trichloroethene	U		0.190	0.500	1	11/10/2021 10:15	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 10:15	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 10:15	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 10:15	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:15	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:15	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 10:15	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 10:15	WG1770998
(S) Toluene-d8	114			80.0-120		11/10/2021 10:15	WG1770998
(S) 4-Bromofluorobenzene	98.6			77.0-126		11/10/2021 10:15	WG1770998
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/10/2021 10:15	WG1770998



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	47.1		11.3	25.0	1	11/10/2021 10:34	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 10:34	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 10:34	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 10:34	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 10:34	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 10:34	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 10:34	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 10:34	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 10:34	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 10:34	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 10:34	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 10:34	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 10:34	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 10:34	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 10:34	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 10:34	WG1770998
Chloroform	0.431	J	0.111	0.500	1	11/10/2021 10:34	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 10:34	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 10:34	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 10:34	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 10:34	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 10:34	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 10:34	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 10:34	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 10:34	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 10:34	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 10:34	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 10:34	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 10:34	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 10:34	WG1770998
cis-1,2-Dichloroethene	3.39		0.126	0.500	1	11/10/2021 10:34	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 10:34	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 10:34	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 10:34	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 10:34	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 10:34	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 10:34	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 10:34	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 10:34	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 10:34	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 10:34	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 10:34	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 10:34	WG1770998
2-Butanone (MEK)	2.65	J	1.19	5.00	1	11/10/2021 10:34	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 10:34	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 10:34	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 10:34	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 10:34	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 10:34	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 10:34	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 10:34	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 10:34	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 10:34	WG1770998
Tetrachloroethene	1.54		0.300	0.500	1	11/10/2021 10:34	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 10:34	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 10:34	WG1770998

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

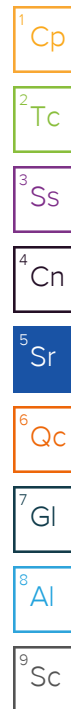
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 10:34	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 10:34	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 10:34	WG1770998
Trichloroethene	21.8		0.190	0.500	1	11/10/2021 10:34	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 10:34	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 10:34	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 10:34	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:34	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:34	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 10:34	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 10:34	WG1770998
(S) Toluene-d8	113			80.0-120		11/10/2021 10:34	WG1770998
(S) 4-Bromofluorobenzene	98.6			77.0-126		11/10/2021 10:34	WG1770998
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/10/2021 10:34	WG1770998



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	16.9	J	11.3	25.0	1	11/10/2021 10:53	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 10:53	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 10:53	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 10:53	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 10:53	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 10:53	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 10:53	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 10:53	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 10:53	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 10:53	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 10:53	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 10:53	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 10:53	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 10:53	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 10:53	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 10:53	WG1770998
Chloroform	U		0.111	0.500	1	11/10/2021 10:53	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 10:53	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 10:53	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 10:53	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 10:53	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 10:53	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 10:53	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 10:53	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 10:53	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 10:53	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 10:53	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 10:53	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 10:53	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 10:53	WG1770998
cis-1,2-Dichloroethene	1.86		0.126	0.500	1	11/10/2021 10:53	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 10:53	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 10:53	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 10:53	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 10:53	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 10:53	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 10:53	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 10:53	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 10:53	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 10:53	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 10:53	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 10:53	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 10:53	WG1770998
2-Butanone (MEK)	2.72	J	1.19	5.00	1	11/10/2021 10:53	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 10:53	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 10:53	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 10:53	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 10:53	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 10:53	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 10:53	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 10:53	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 10:53	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 10:53	WG1770998
Tetrachloroethene	1.17		0.300	0.500	1	11/10/2021 10:53	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 10:53	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 10:53	WG1770998

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

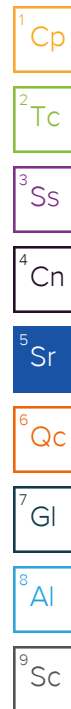
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 10:53	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 10:53	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 10:53	WG1770998
Trichloroethene	24.3		0.190	0.500	1	11/10/2021 10:53	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 10:53	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 10:53	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 10:53	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:53	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 10:53	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 10:53	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 10:53	WG1770998
(S) Toluene-d8	114			80.0-120		11/10/2021 10:53	WG1770998
(S) 4-Bromofluorobenzene	98.2			77.0-126		11/10/2021 10:53	WG1770998
(S) 1,2-Dichloroethane-d4	110			70.0-130		11/10/2021 10:53	WG1770998



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	11/10/2021 05:36	WG1770998
Acrolein	U	J4	2.54	50.0	1	11/10/2021 05:36	WG1770998
Acrylonitrile	U		0.671	5.00	1	11/10/2021 05:36	WG1770998
Benzene	U		0.0941	0.500	1	11/10/2021 05:36	WG1770998
Bromobenzene	U		0.118	0.500	1	11/10/2021 05:36	WG1770998
Bromodichloromethane	U		0.136	0.500	1	11/10/2021 05:36	WG1770998
Bromoform	U		0.129	0.500	1	11/10/2021 05:36	WG1770998
Bromomethane	U		0.605	2.50	1	11/10/2021 05:36	WG1770998
n-Butylbenzene	U		0.157	0.500	1	11/10/2021 05:36	WG1770998
sec-Butylbenzene	U		0.125	0.500	1	11/10/2021 05:36	WG1770998
tert-Butylbenzene	U		0.127	0.500	1	11/10/2021 05:36	WG1770998
Carbon disulfide	U		0.0962	0.500	1	11/10/2021 05:36	WG1770998
Carbon tetrachloride	U		0.128	0.500	1	11/10/2021 05:36	WG1770998
Chlorobenzene	U		0.117	0.500	1	11/10/2021 05:36	WG1770998
Chlorodibromomethane	U		0.140	0.500	1	11/10/2021 05:36	WG1770998
Chloroethane	U		0.192	2.50	1	11/10/2021 05:36	WG1770998
Chloroform	U		0.111	0.500	1	11/10/2021 05:36	WG1770998
Chloromethane	U		0.960	1.25	1	11/10/2021 05:36	WG1770998
2-Chlorotoluene	U		0.106	0.500	1	11/10/2021 05:36	WG1770998
4-Chlorotoluene	U		0.114	0.500	1	11/10/2021 05:36	WG1770998
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/10/2021 05:36	WG1770998
1,2-Dibromoethane	U		0.126	0.500	1	11/10/2021 05:36	WG1770998
Dibromomethane	U		0.122	0.500	1	11/10/2021 05:36	WG1770998
1,2-Dichlorobenzene	U		0.107	0.500	1	11/10/2021 05:36	WG1770998
1,3-Dichlorobenzene	U		0.299	0.500	1	11/10/2021 05:36	WG1770998
1,4-Dichlorobenzene	U		0.120	0.500	1	11/10/2021 05:36	WG1770998
Dichlorodifluoromethane	U		0.374	2.50	1	11/10/2021 05:36	WG1770998
1,1-Dichloroethane	U		0.100	0.500	1	11/10/2021 05:36	WG1770998
1,2-Dichloroethane	U		0.0819	0.500	1	11/10/2021 05:36	WG1770998
1,1-Dichloroethene	U		0.188	0.500	1	11/10/2021 05:36	WG1770998
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/10/2021 05:36	WG1770998
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/10/2021 05:36	WG1770998
1,2-Dichloropropane	U		0.149	0.500	1	11/10/2021 05:36	WG1770998
1,1-Dichloropropene	U		0.142	0.500	1	11/10/2021 05:36	WG1770998
1,3-Dichloropropane	U		0.109	1.00	1	11/10/2021 05:36	WG1770998
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/10/2021 05:36	WG1770998
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/10/2021 05:36	WG1770998
2,2-Dichloropropane	U		0.161	0.500	1	11/10/2021 05:36	WG1770998
Di-isopropyl ether	U		0.105	0.500	1	11/10/2021 05:36	WG1770998
Ethylbenzene	U		0.137	0.500	1	11/10/2021 05:36	WG1770998
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/10/2021 05:36	WG1770998
Isopropylbenzene	U		0.105	0.500	1	11/10/2021 05:36	WG1770998
p-Isopropyltoluene	U		0.120	0.500	1	11/10/2021 05:36	WG1770998
2-Butanone (MEK)	U		1.19	5.00	1	11/10/2021 05:36	WG1770998
Methylene Chloride	U		0.430	2.50	1	11/10/2021 05:36	WG1770998
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/10/2021 05:36	WG1770998
Methyl tert-butyl ether	U		0.101	0.500	1	11/10/2021 05:36	WG1770998
Naphthalene	U		0.174	2.50	1	11/10/2021 05:36	WG1770998
n-Propylbenzene	U	J4	0.0993	0.500	1	11/10/2021 05:36	WG1770998
Styrene	U		0.118	0.500	1	11/10/2021 05:36	WG1770998
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/10/2021 05:36	WG1770998
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/10/2021 05:36	WG1770998
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/10/2021 05:36	WG1770998
Tetrachloroethene	U		0.300	0.500	1	11/10/2021 05:36	WG1770998
Toluene	U		0.278	0.500	1	11/10/2021 05:36	WG1770998
1,2,3-Trichlorobenzene	U	C4	0.164	0.500	1	11/10/2021 05:36	WG1770998

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

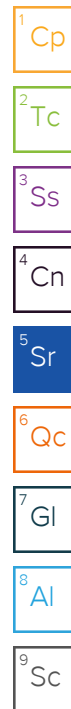
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U	C4	0.481	1.00	1	11/10/2021 05:36	WG1770998
1,1,1-Trichloroethane	U		0.149	0.500	1	11/10/2021 05:36	WG1770998
1,1,2-Trichloroethane	U		0.158	0.500	1	11/10/2021 05:36	WG1770998
Trichloroethene	U		0.190	0.500	1	11/10/2021 05:36	WG1770998
Trichlorofluoromethane	U		0.160	2.50	1	11/10/2021 05:36	WG1770998
1,2,3-Trichloropropane	U		0.237	2.50	1	11/10/2021 05:36	WG1770998
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/10/2021 05:36	WG1770998
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 05:36	WG1770998
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/10/2021 05:36	WG1770998
Vinyl chloride	U		0.234	0.500	1	11/10/2021 05:36	WG1770998
Xylenes, Total	U		0.174	1.50	1	11/10/2021 05:36	WG1770998
(S) Toluene-d8	114			80.0-120		11/10/2021 05:36	WG1770998
(S) 4-Bromofluorobenzene	97.7			77.0-126		11/10/2021 05:36	WG1770998
(S) 1,2-Dichloroethane-d4	106			70.0-130		11/10/2021 05:36	WG1770998



Method Blank (MB)

(MB) R3729212-3 11/08/21 02:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3729212-3 11/08/21 02:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	89.8			77.0-126
(S) 1,2-Dichloroethane-d4	116			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3729212-1 11/08/21 01:26 • (LCSD) R3729212-2 11/08/21 01:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	24.4	25.5	97.6	102	19.0-160			4.41	27
Acrolein	25.0	26.0	24.7	104	98.8	10.0-160			5.13	26
Acrylonitrile	25.0	23.0	20.8	92.0	83.2	55.0-149			10.0	20

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

(LCS) R3729212-1 11/08/21 01:26 • (LCSD) R3729212-2 11/08/21 01:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Benzene	5.00	4.53	4.48	90.6	89.6	70.0-123			1.11	20
Bromobenzene	5.00	5.81	5.50	116	110	73.0-121			5.48	20
Bromodichloromethane	5.00	4.57	4.78	91.4	95.6	75.0-120			4.49	20
Bromoform	5.00	3.41	3.27	68.2	65.4	68.0-132		J4	4.19	20
Bromomethane	5.00	1.32	1.73	26.4	34.6	10.0-160		J3	26.9	25
n-Butylbenzene	5.00	5.41	4.95	108	99.0	73.0-125			8.88	20
sec-Butylbenzene	5.00	5.51	5.30	110	106	75.0-125			3.89	20
tert-Butylbenzene	5.00	5.24	4.78	105	95.6	76.0-124			9.18	20
Carbon disulfide	5.00	5.05	4.67	101	93.4	61.0-128			7.82	20
Carbon tetrachloride	5.00	3.22	3.72	64.4	74.4	68.0-126	J4		14.4	20
Chlorobenzene	5.00	4.88	4.76	97.6	95.2	80.0-121			2.49	20
Chlorodibromomethane	5.00	3.92	4.15	78.4	83.0	77.0-125			5.70	20
Chloroethane	5.00	5.61	5.23	112	105	47.0-150			7.01	20
Chloroform	5.00	4.88	4.81	97.6	96.2	73.0-120			1.44	20
Chloromethane	5.00	5.14	5.00	103	100	41.0-142			2.76	20
2-Chlorotoluene	5.00	5.68	5.14	114	103	76.0-123			9.98	20
4-Chlorotoluene	5.00	5.34	5.12	107	102	75.0-122			4.21	20
1,2-Dibromo-3-Chloropropane	5.00	3.42	4.09	68.4	81.8	58.0-134			17.8	20
1,2-Dibromoethane	5.00	5.05	4.42	101	88.4	80.0-122			13.3	20
Dibromomethane	5.00	4.46	4.69	89.2	93.8	80.0-120			5.03	20
1,2-Dichlorobenzene	5.00	5.16	5.11	103	102	79.0-121			0.974	20
1,3-Dichlorobenzene	5.00	5.33	4.95	107	99.0	79.0-120			7.39	20
1,4-Dichlorobenzene	5.00	5.39	4.96	108	99.2	79.0-120			8.31	20
Dichlorodifluoromethane	5.00	5.96	5.62	119	112	51.0-149			5.87	20
1,1-Dichloroethane	5.00	4.71	4.52	94.2	90.4	70.0-126			4.12	20
1,2-Dichloroethane	5.00	0.409	5.29	8.18	106	70.0-128	J4	J3	171	20
1,1-Dichloroethene	5.00	5.14	5.01	103	100	71.0-124			2.56	20
cis-1,2-Dichloroethene	5.00	4.48	4.49	89.6	89.8	73.0-120			0.223	20
trans-1,2-Dichloroethene	5.00	4.84	4.55	96.8	91.0	73.0-120			6.18	20
1,2-Dichloropropane	5.00	4.55	4.40	91.0	88.0	77.0-125			3.35	20
1,1-Dichloropropene	5.00	5.20	4.54	104	90.8	74.0-126			13.6	20
1,3-Dichloropropane	5.00	4.70	4.90	94.0	98.0	80.0-120			4.17	20
cis-1,3-Dichloropropene	5.00	4.14	4.29	82.8	85.8	80.0-123			3.56	20
trans-1,3-Dichloropropene	5.00	4.22	4.35	84.4	87.0	78.0-124			3.03	20
2,2-Dichloropropane	5.00	5.68	5.20	114	104	58.0-130			8.82	20
Di-isopropyl ether	5.00	4.34	4.29	86.8	85.8	58.0-138			1.16	20
Ethylbenzene	5.00	4.79	4.51	95.8	90.2	79.0-123			6.02	20
Hexachloro-1,3-butadiene	5.00	4.10	4.17	82.0	83.4	54.0-138			1.69	20
Isopropylbenzene	5.00	4.72	4.37	94.4	87.4	76.0-127			7.70	20
p-Isopropyltoluene	5.00	5.16	4.77	103	95.4	76.0-125			7.85	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

(LCS) R3729212-1 11/08/21 01:26 • (LCSD) R3729212-2 11/08/21 01:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	21.6	22.0	86.4	88.0	44.0-160			1.83	20
Methylene Chloride	5.00	5.60	5.05	112	101	67.0-120			10.3	20
4-Methyl-2-pentanone (MIBK)	25.0	22.7	21.8	90.8	87.2	68.0-142			4.04	20
Methyl tert-butyl ether	5.00	4.61	4.61	92.2	92.2	68.0-125			0.000	20
Naphthalene	5.00	3.31	3.47	66.2	69.4	54.0-135			4.72	20
n-Propylbenzene	5.00	5.51	5.24	110	105	77.0-124			5.02	20
Styrene	5.00	4.31	4.33	86.2	86.6	73.0-130			0.463	20
1,1,1,2-Tetrachloroethane	5.00	3.69	3.54	73.8	70.8	75.0-125	J4	J4	4.15	20
1,1,2,2-Tetrachloroethane	5.00	6.35	5.84	127	117	65.0-130			8.37	20
Tetrachloroethene	5.00	4.93	4.70	98.6	94.0	72.0-132			4.78	20
Toluene	5.00	4.86	4.56	97.2	91.2	79.0-120			6.37	20
1,1,2-Trichlorotrifluoroethane	5.00	5.59	5.29	112	106	69.0-132			5.51	20
1,2,3-Trichlorobenzene	5.00	2.86	2.64	57.2	52.8	50.0-138			8.00	20
1,2,4-Trichlorobenzene	5.00	3.92	3.89	78.4	77.8	57.0-137			0.768	20
1,1,1-Trichloroethane	5.00	5.29	5.05	106	101	73.0-124			4.64	20
1,1,2-Trichloroethane	5.00	4.78	4.58	95.6	91.6	80.0-120			4.27	20
Trichloroethene	5.00	4.29	4.38	85.8	87.6	78.0-124			2.08	20
Trichlorofluoromethane	5.00	6.22	6.10	124	122	59.0-147			1.95	20
1,2,3-Trichloropropane	5.00	5.54	5.03	111	101	73.0-130			9.65	20
1,2,3-Trimethylbenzene	5.00	5.08	4.82	102	96.4	77.0-120			5.25	20
1,2,4-Trimethylbenzene	5.00	5.28	4.94	106	98.8	76.0-121			6.65	20
1,3,5-Trimethylbenzene	5.00	5.29	4.92	106	98.4	76.0-122			7.25	20
Vinyl chloride	5.00	4.54	4.42	90.8	88.4	67.0-131			2.68	20
Xylenes, Total	15.0	14.2	13.2	94.7	88.0	79.0-123			7.30	20
(S) Toluene-d8				103	101	80.0-120				
(S) 4-Bromofluorobenzene				91.3	92.4	77.0-126				
(S) 1,2-Dichloroethane-d4				117	117	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3728466-3 11/10/21 04:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3728466-3 11/10/21 04:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	114			80.0-120
(S) 4-Bromofluorobenzene	97.1			77.0-126
(S) 1,2-Dichloroethane-d4	105			70.0-130

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) R3728466-1 11/10/21 04:01 • (LCSD) R3728466-2 11/10/21 04:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	20.5	22.2	82.0	88.8	19.0-160			7.96	27
Acrolein	25.0	50.8	56.9	203	228	10.0-160	J4	J4	11.3	26
Acrylonitrile	25.0	21.6	22.9	86.4	91.6	55.0-149			5.84	20

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

(LCS) R3728466-1 11/10/21 04:01 • (LCSD) R3728466-2 11/10/21 04:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.00	5.05	100	101	70.0-123			0.995	20
Bromobenzene	5.00	5.26	5.41	105	108	73.0-121			2.81	20
Bromodichloromethane	5.00	4.79	4.95	95.8	99.0	75.0-120			3.29	20
Bromoform	5.00	4.76	4.90	95.2	98.0	68.0-132			2.90	20
Bromomethane	5.00	4.88	4.96	97.6	99.2	10.0-160			1.63	25
n-Butylbenzene	5.00	5.69	6.03	114	121	73.0-125			5.80	20
sec-Butylbenzene	5.00	5.95	6.21	119	124	75.0-125			4.28	20
tert-Butylbenzene	5.00	5.63	5.89	113	118	76.0-124			4.51	20
Carbon disulfide	5.00	5.17	5.40	103	108	61.0-128			4.35	20
Carbon tetrachloride	5.00	5.47	5.70	109	114	68.0-126			4.12	20
Chlorobenzene	5.00	5.12	5.16	102	103	80.0-121			0.778	20
Chlorodibromomethane	5.00	4.67	4.82	93.4	96.4	77.0-125			3.16	20
Chloroethane	5.00	5.09	5.40	102	108	47.0-150			5.91	20
Chloroform	5.00	4.81	4.98	96.2	99.6	73.0-120			3.47	20
Chloromethane	5.00	4.70	4.83	94.0	96.6	41.0-142			2.73	20
2-Chlorotoluene	5.00	5.29	5.59	106	112	76.0-123			5.51	20
4-Chlorotoluene	5.00	5.48	5.66	110	113	75.0-122			3.23	20
1,2-Dibromo-3-Chloropropane	5.00	4.06	4.26	81.2	85.2	58.0-134			4.81	20
1,2-Dibromoethane	5.00	4.91	5.00	98.2	100	80.0-122			1.82	20
Dibromomethane	5.00	4.66	4.60	93.2	92.0	80.0-120			1.30	20
1,2-Dichlorobenzene	5.00	4.99	5.18	99.8	104	79.0-121			3.74	20
1,3-Dichlorobenzene	5.00	5.05	5.27	101	105	79.0-120			4.26	20
1,4-Dichlorobenzene	5.00	5.16	5.32	103	106	79.0-120			3.05	20
Dichlorodifluoromethane	5.00	4.85	5.01	97.0	100	51.0-149			3.25	20
1,1-Dichloroethane	5.00	4.89	5.08	97.8	102	70.0-126			3.81	20
1,2-Dichloroethane	5.00	4.83	4.96	96.6	99.2	70.0-128			2.66	20
1,1-Dichloroethene	5.00	5.02	5.21	100	104	71.0-124			3.71	20
cis-1,2-Dichloroethene	5.00	4.75	4.80	95.0	96.0	73.0-120			1.05	20
trans-1,2-Dichloroethene	5.00	5.22	5.28	104	106	73.0-120			1.14	20
1,2-Dichloropropane	5.00	4.75	4.91	95.0	98.2	77.0-125			3.31	20
1,1-Dichloropropene	5.00	5.07	5.33	101	107	74.0-126			5.00	20
1,3-Dichloropropane	5.00	5.06	5.10	101	102	80.0-120			0.787	20
cis-1,3-Dichloropropene	5.00	4.75	4.83	95.0	96.6	80.0-123			1.67	20
trans-1,3-Dichloropropene	5.00	5.10	5.23	102	105	78.0-124			2.52	20
2,2-Dichloropropane	5.00	5.53	5.52	111	110	58.0-130			0.181	20
Di-isopropyl ether	5.00	4.95	5.00	99.0	100	58.0-138			1.01	20
Ethylbenzene	5.00	4.94	5.27	98.8	105	79.0-123			6.46	20
Hexachloro-1,3-butadiene	5.00	5.06	5.58	101	112	54.0-138			9.77	20
Isopropylbenzene	5.00	5.45	5.62	109	112	76.0-127			3.07	20
p-Isopropyltoluene	5.00	5.65	5.88	113	118	76.0-125			3.99	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3728466-1 11/10/21 04:01 • (LCSD) R3728466-2 11/10/21 04:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	22.5	23.5	90.0	94.0	44.0-160			4.35	20
Methylene Chloride	5.00	4.74	4.83	94.8	96.6	67.0-120			1.88	20
4-Methyl-2-pentanone (MIBK)	25.0	26.3	26.8	105	107	68.0-142			1.88	20
Methyl tert-butyl ether	5.00	4.45	4.64	89.0	92.8	68.0-125			4.18	20
Naphthalene	5.00	3.99	4.27	79.8	85.4	54.0-135			6.78	20
n-Propylbenzene	5.00	5.94	6.27	119	125	77.0-124		J4	5.41	20
Styrene	5.00	4.92	4.94	98.4	98.8	73.0-130			0.406	20
1,1,1,2-Tetrachloroethane	5.00	4.81	4.86	96.2	97.2	75.0-125			1.03	20
1,1,2,2-Tetrachloroethane	5.00	5.30	5.50	106	110	65.0-130			3.70	20
1,1,2-Trichlorotrifluoroethane	5.00	5.50	5.58	110	112	69.0-132			1.44	20
Tetrachloroethene	5.00	5.36	5.31	107	106	72.0-132			0.937	20
Toluene	5.00	5.24	5.33	105	107	79.0-120			1.70	20
1,2,3-Trichlorobenzene	5.00	4.73	5.00	94.6	100	50.0-138			5.55	20
1,2,4-Trichlorobenzene	5.00	4.60	4.78	92.0	95.6	57.0-137			3.84	20
1,1,1-Trichloroethane	5.00	5.04	5.23	101	105	73.0-124			3.70	20
1,1,2-Trichloroethane	5.00	5.07	4.92	101	98.4	80.0-120			3.00	20
Trichloroethene	5.00	4.67	4.81	93.4	96.2	78.0-124			2.95	20
Trichlorofluoromethane	5.00	5.39	5.63	108	113	59.0-147			4.36	20
1,2,3-Trichloropropane	5.00	5.01	5.32	100	106	73.0-130			6.00	20
1,2,4-Trimethylbenzene	5.00	5.35	5.59	107	112	76.0-121			4.39	20
1,2,3-Trimethylbenzene	5.00	5.07	5.27	101	105	77.0-120			3.87	20
1,3,5-Trimethylbenzene	5.00	5.46	5.73	109	115	76.0-122			4.83	20
Vinyl chloride	5.00	4.88	5.09	97.6	102	67.0-131			4.21	20
Xylenes, Total	15.0	15.0	15.3	100	102	79.0-123			1.98	20
(S) Toluene-d8				114	112	80.0-120				
(S) 4-Bromofluorobenzene				98.4	97.1	77.0-126				
(S) 1,2-Dichloroethane-d4				104	106	70.0-130				

1Cp

2Tc

3Ss

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

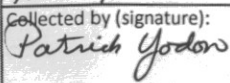
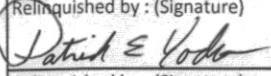
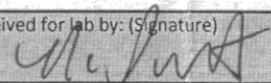
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Comp: Cascade Corporation- Fairview, OR Address: 2201 NE 201st Avenue Fairview, OR 97024-9718				Billing Information: Accounts Payable P.O. Box 20187 Portland, OR 97294-0187				Pres Chk				Analysis / Container / Preservative				Chain of Custody Page 1 of 2	
Report to: Cindy Bartlett				Email To: CBartlett@Geosyntec.com; JLaurance@Geosynt													
Project Description: Cascade TSA				City/State Collected: Fairview OR		Please Circle: ☒ PT ☐ MT ☐ CT ☐ ET						12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf					
Phone: 503-669-6286		Client Project # PNG0564S21		Lab Project # CASCORFOR-PNG0564								SDG # U1427189					
Collected by (print): PAT YAOON		Site/Facility ID #		P.O. #								F001					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☒ Three Day * STANDARD		Quote #		Date Results Needed						Acctnum: CASCORFOR Template: T190904 Prelogin: P859531 PM: 110 - Brian Ford PB:					
Immediately Packed on Ice N ☐ Y ☒												Shipped Via:					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs					Remarks Sample # (lab only)					
VMWA-110321			GW		11/3/21	8:30	3	X				U1					
VMWB-110321			GW		11/3/21	9:00	3	X				U2					
VMWC-110321			GW		11/3/21	9:30	3	X				U3					
VMWH-110321			GW		11/3/21	9:50	3	X				U4					
VMWJ2-110321-120.25			GW		11/3/21	10:30	3	X				U5					
VMWJ2-110321-120.25-DUP			GW		11/3/21	10:31	3	X				U6					
VMWK-110321-114.25			GW		11/3/21	10:50	3	X				U7					
VMWL-110321-103.25			GW		11/3/21	11:05	3	X				U8					
VMWM-110321-94			GW		11/3/21	11:30	3	X				U9					
VMWN-110321-110.8			GW		11/3/21	11:55	3	X				U10					
* Matrix: SS - Soil AIR - Air F - Filter ☒ GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:						pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N					
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking # 5217 3314 2377															
Relinquished by: (Signature) 		Date: 11/3/21	Time: 17:40	Received by: (Signature) FedEx		Trip Blank Received: ☒ Yes ☐ No ☒ HCl / MeOH ☐ TBR						If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: 10.0°C 0.640=0.6		Bottles Received: 45						Hold:			
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 11/4/21		Time: 0900		Condition: NCF / OK							

Name/Address: Cascade Corporation- Fairview, OR 2201 NE 201st Avenue Fairview, OR 97024-9718				Billing Information: Accounts Payable P.O. Box 20187 Portland, OR 97294-0187				Analysis / Container / Preservative 				Chain of Custody Page 2 of 2 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Report to: Cindy Bartlett				Email To: CBartlett@Geosyntec.com; JLaurance@Geosyntec.com				SDG # U427184 Table # Acctnum: CASCORFOR Template: T190904 Prelogin: P859531 PM: 110 - Brian Ford PB: Shipped Via:					
Project Description: Cascade TSA		City/State Collected: Fairview OR		Please Circle: ☒ PT ☐ MT ☐ CT ☐ ET									
Phone: 503-669-6286		Client Project # PNG0564S21		Lab Project # CASCORFOR-PNG0564									
Collected by (print): PAT YADON		Site/Facility ID #		P.O. #									
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☒ STANDARD				Quote #							
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed		No. of Cntrs									
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D LL 40m/Amb-HCI					
VMWD-110321			GW		11/3/21	13:00	3						
VMWG-110321			GW		11/3/21	13:30	3						
VMWF-110321			GW		11/3/21	13:55	3						
VMWE-110321			GW		11/3/21	14:00	3						
VMWi-110321-143.7			GW		11/3/21	14:45	3						
Trip Blank Lot# 472			GW		11/3/21	NA	1						
			GW										
			GW										
			GW										
			GW										
* Matrix: SS - Soil AIR - Air F - Filter ☒ GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier Tracking #						pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N			
Relinquished by: (Signature) 		Date: 11/3/21	Time: 17:40	Received by: (Signature) 		Trip Blank Received: Yes / No ☒ Yes ☐ No AGL / MeOH TBR		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: 10.0 Bottles Received: 45							
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 11/4/21 Time: 0900							
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature)		Hold:		Condition: NCF ADK					