



Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1659624
Samples Received: 09/26/2023
Project Number: QCAT#29490
Description: Allen Street Groundwater

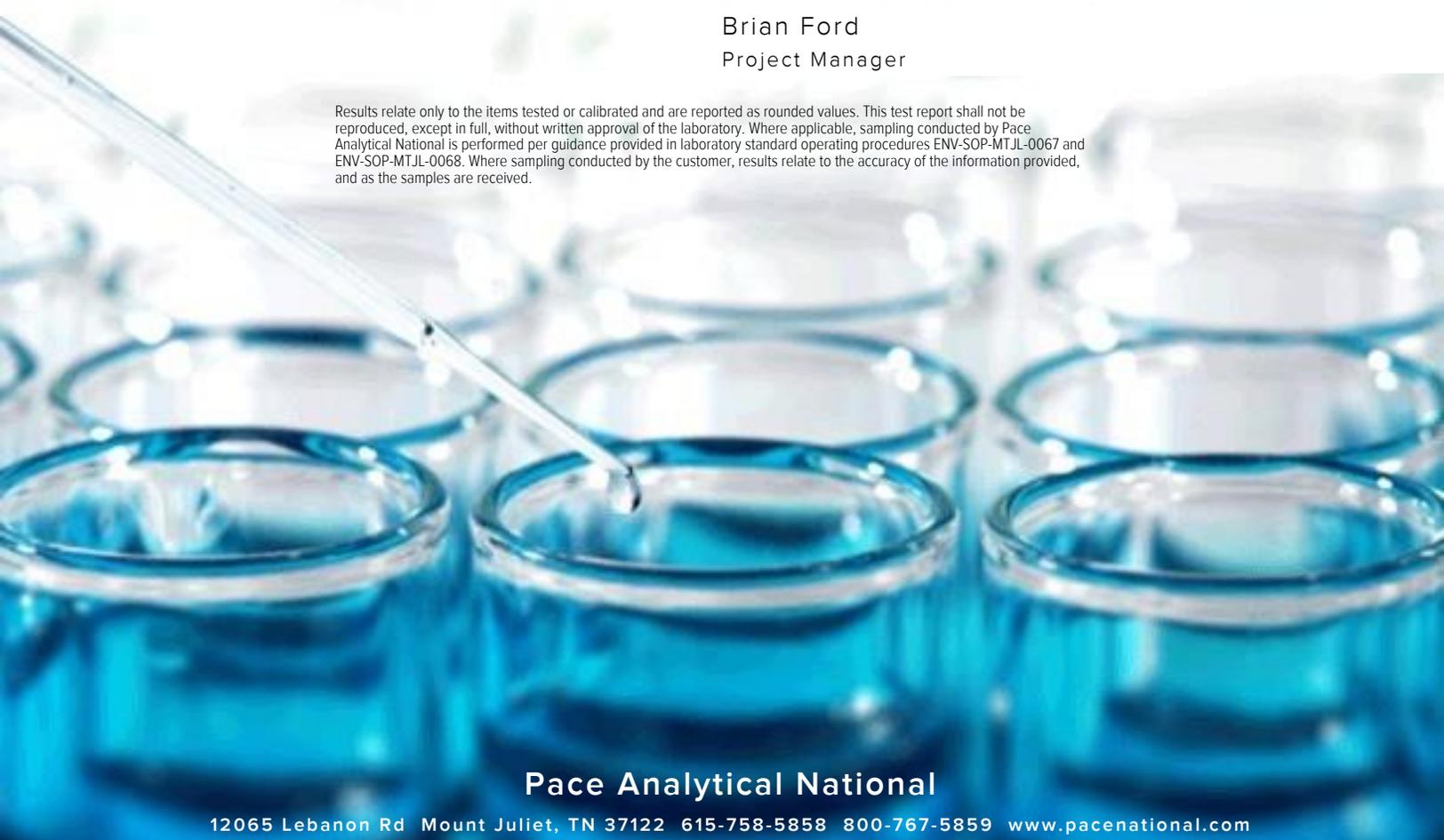
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Entire Report Reviewed By:



Brian Ford
Project Manager

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Pace Analytical National

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SAMPLE SUMMARY

1460 ALLEN POST L1659624-01 GW

Collected by Rachel Long
 Collected date/time 09/25/23 10:15
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142536	1	10/01/23 00:28	10/01/23 00:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143190	1	10/02/23 14:55	10/02/23 14:55	JHH	Mt. Juliet, TN



1460 ALLEN MID L1659624-02 GW

Collected by Rachel Long
 Collected date/time 09/25/23 10:22
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142536	1	10/01/23 00:48	10/01/23 00:48	ACG	Mt. Juliet, TN

1460 ALLEN PRE L1659624-03 GW

Collected by Rachel Long
 Collected date/time 09/25/23 10:28
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142536	1	10/01/23 01:08	10/01/23 01:08	ACG	Mt. Juliet, TN

1480 ALLEN POST L1659624-04 GW

Collected by Rachel Long
 Collected date/time 09/25/23 12:25
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142536	1	10/01/23 01:29	10/01/23 01:29	ACG	Mt. Juliet, TN

1480 ALLEN MID L1659624-05 GW

Collected by Rachel Long
 Collected date/time 09/25/23 12:35
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142536	1	10/01/23 01:49	10/01/23 01:49	ACG	Mt. Juliet, TN

1480 ALLEN PRE L1659624-06 GW

Collected by Rachel Long
 Collected date/time 09/25/23 12:40
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142594	1	10/01/23 01:08	10/01/23 01:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143273	1	10/02/23 17:40	10/02/23 17:40	JCP	Mt. Juliet, TN

1520 ALLEN POST L1659624-07 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:45
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142594	1	10/01/23 01:27	10/01/23 01:27	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143273	1	10/02/23 18:03	10/02/23 18:03	JCP	Mt. Juliet, TN

1520 ALLEN MID L1659624-08 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:50
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 12:04	10/03/23 12:04	ADM	Mt. Juliet, TN

SAMPLE SUMMARY

1520 ALLEN PRE L1659624-09 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:55
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 12:25	10/03/23 12:25	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

1540 ALLEN POST L1659624-10 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:05
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 12:45	10/03/23 12:45	ADM	Mt. Juliet, TN

4 Cn

5 Sr

1540 ALLEN MID L1659624-11 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:18
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 13:06	10/03/23 13:06	ADM	Mt. Juliet, TN

6 Qc

7 Gl

1540 ALLEN PRE L1659624-12 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:22
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 13:26	10/03/23 13:26	ADM	Mt. Juliet, TN

8 Al

9 Sc

1540 ALLEN PRE (DUPLICATE) L1659624-13 GW

Collected by Rachel Long
 Collected date/time 09/25/23 11:22
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 13:46	10/03/23 13:46	ADM	Mt. Juliet, TN

TRIP BLANK L1659624-14 GW

Collected by Rachel Long
 Collected date/time 09/25/23 12:45
 Received date/time 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2142598	1	10/03/23 11:44	10/03/23 11:44	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

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1659624-14	TRIP BLANK	8260D

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	U		11.3	50.0	1	10/01/2023 00:28	WG2142536
Acrolein	U		2.54	50.0	1	10/01/2023 00:28	WG2142536
Acrylonitrile	U		0.671	10.0	1	10/01/2023 00:28	WG2142536
Benzene	U		0.0941	1.00	1	10/02/2023 14:55	WG2143190
Bromobenzene	U		0.118	1.00	1	10/01/2023 00:28	WG2142536
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 00:28	WG2142536
Bromoform	U		0.129	1.00	1	10/01/2023 00:28	WG2142536
Bromomethane	U	C3	0.605	5.00	1	10/01/2023 00:28	WG2142536
n-Butylbenzene	0.439	U	0.157	1.00	1	10/01/2023 00:28	WG2142536
sec-Butylbenzene	0.169	U	0.125	1.00	1	10/01/2023 00:28	WG2142536
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 00:28	WG2142536
Carbon disulfide	U		0.0962	1.00	1	10/01/2023 00:28	WG2142536
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 00:28	WG2142536
Chlorobenzene	U		0.116	1.00	1	10/01/2023 00:28	WG2142536
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 00:28	WG2142536
Chloroethane	U		0.192	5.00	1	10/01/2023 00:28	WG2142536
Chloroform	U		0.111	5.00	1	10/01/2023 00:28	WG2142536
Chloromethane	U		0.960	2.50	1	10/01/2023 00:28	WG2142536
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 00:28	WG2142536
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 00:28	WG2142536
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 00:28	WG2142536
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 00:28	WG2142536
Dibromomethane	U		0.122	1.00	1	10/01/2023 00:28	WG2142536
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 00:28	WG2142536
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 00:28	WG2142536
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 00:28	WG2142536
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 00:28	WG2142536
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 00:28	WG2142536
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 00:28	WG2142536
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 00:28	WG2142536
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/01/2023 00:28	WG2142536
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/01/2023 00:28	WG2142536
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 00:28	WG2142536
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 00:28	WG2142536
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 00:28	WG2142536
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 00:28	WG2142536
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 00:28	WG2142536
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 00:28	WG2142536
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 00:28	WG2142536
Ethylbenzene	U		0.137	1.00	1	10/02/2023 14:55	WG2143190
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 00:28	WG2142536
Isopropylbenzene	0.358	U	0.105	1.00	1	10/01/2023 00:28	WG2142536
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 00:28	WG2142536
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 00:28	WG2142536
Methylene Chloride	U		0.430	5.00	1	10/01/2023 00:28	WG2142536
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 00:28	WG2142536
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 00:28	WG2142536
Naphthalene	U		1.00	5.00	1	10/01/2023 00:28	WG2142536
n-Propylbenzene	1.50		0.0993	1.00	1	10/01/2023 00:28	WG2142536
Styrene	U		0.118	1.00	1	10/01/2023 00:28	WG2142536
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 00:28	WG2142536
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 00:28	WG2142536
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 00:28	WG2142536
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 00:28	WG2142536
Toluene	U		0.278	1.00	1	10/01/2023 00:28	WG2142536
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 00:28	WG2142536

- 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		0.481	1.00	1	10/01/2023 00:28	WG2142536
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 00:28	WG2142536
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 00:28	WG2142536
Trichloroethene	U		0.190	1.00	1	10/01/2023 00:28	WG2142536
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 00:28	WG2142536
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 00:28	WG2142536
1,2,4-Trimethylbenzene	0.694	U	0.322	1.00	1	10/01/2023 00:28	WG2142536
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 00:28	WG2142536
1,3,5-Trimethylbenzene	0.284	U	0.104	1.00	1	10/01/2023 00:28	WG2142536
Vinyl chloride	U		0.234	1.00	1	10/01/2023 00:28	WG2142536
Xylenes, Total	0.205	U	0.174	3.00	1	10/01/2023 00:28	WG2142536
(S) Toluene-d8	111			80.0-120		10/01/2023 00:28	WG2142536
(S) Toluene-d8	104			80.0-120		10/02/2023 14:55	WG2143190
(S) 4-Bromofluorobenzene	106			77.0-126		10/01/2023 00:28	WG2142536
(S) 4-Bromofluorobenzene	98.9			77.0-126		10/02/2023 14:55	WG2143190
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/01/2023 00:28	WG2142536
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/02/2023 14:55	WG2143190

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	U		11.3	50.0	1	10/01/2023 00:48	WG2142536
Acrolein	U		2.54	50.0	1	10/01/2023 00:48	WG2142536
Acrylonitrile	U		0.671	10.0	1	10/01/2023 00:48	WG2142536
Benzene	U		0.0941	1.00	1	10/01/2023 00:48	WG2142536
Bromobenzene	U		0.118	1.00	1	10/01/2023 00:48	WG2142536
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 00:48	WG2142536
Bromoform	U		0.129	1.00	1	10/01/2023 00:48	WG2142536
Bromomethane	U	C3	0.605	5.00	1	10/01/2023 00:48	WG2142536
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 00:48	WG2142536
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 00:48	WG2142536
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 00:48	WG2142536
Carbon disulfide	U		0.0962	1.00	1	10/01/2023 00:48	WG2142536
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 00:48	WG2142536
Chlorobenzene	U		0.116	1.00	1	10/01/2023 00:48	WG2142536
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 00:48	WG2142536
Chloroethane	U		0.192	5.00	1	10/01/2023 00:48	WG2142536
Chloroform	U		0.111	5.00	1	10/01/2023 00:48	WG2142536
Chloromethane	U		0.960	2.50	1	10/01/2023 00:48	WG2142536
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 00:48	WG2142536
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 00:48	WG2142536
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 00:48	WG2142536
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 00:48	WG2142536
Dibromomethane	U		0.122	1.00	1	10/01/2023 00:48	WG2142536
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 00:48	WG2142536
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 00:48	WG2142536
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 00:48	WG2142536
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 00:48	WG2142536
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 00:48	WG2142536
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 00:48	WG2142536
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 00:48	WG2142536
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/01/2023 00:48	WG2142536
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/01/2023 00:48	WG2142536
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 00:48	WG2142536
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 00:48	WG2142536
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 00:48	WG2142536
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 00:48	WG2142536
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 00:48	WG2142536
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 00:48	WG2142536
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 00:48	WG2142536
Ethylbenzene	U		0.137	1.00	1	10/01/2023 00:48	WG2142536
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 00:48	WG2142536
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 00:48	WG2142536
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 00:48	WG2142536
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 00:48	WG2142536
Methylene Chloride	U		0.430	5.00	1	10/01/2023 00:48	WG2142536
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 00:48	WG2142536
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 00:48	WG2142536
Naphthalene	U		1.00	5.00	1	10/01/2023 00:48	WG2142536
n-Propylbenzene	0.293	J	0.0993	1.00	1	10/01/2023 00:48	WG2142536
Styrene	U		0.118	1.00	1	10/01/2023 00:48	WG2142536
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 00:48	WG2142536
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 00:48	WG2142536
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 00:48	WG2142536
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 00:48	WG2142536
Toluene	U		0.278	1.00	1	10/01/2023 00:48	WG2142536
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 00:48	WG2142536

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		0.481	1.00	1	10/01/2023 00:48	WG2142536
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 00:48	WG2142536
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 00:48	WG2142536
Trichloroethene	U		0.190	1.00	1	10/01/2023 00:48	WG2142536
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 00:48	WG2142536
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 00:48	WG2142536
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 00:48	WG2142536
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 00:48	WG2142536
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 00:48	WG2142536
Vinyl chloride	U		0.234	1.00	1	10/01/2023 00:48	WG2142536
Xylenes, Total	U		0.174	3.00	1	10/01/2023 00:48	WG2142536
(S) Toluene-d8	112			80.0-120		10/01/2023 00:48	WG2142536
(S) 4-Bromofluorobenzene	106			77.0-126		10/01/2023 00:48	WG2142536
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/01/2023 00:48	WG2142536

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

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	U		11.3	50.0	1	10/01/2023 01:08	WG2142536
Acrolein	U		2.54	50.0	1	10/01/2023 01:08	WG2142536
Acrylonitrile	U		0.671	10.0	1	10/01/2023 01:08	WG2142536
Benzene	U		0.0941	1.00	1	10/01/2023 01:08	WG2142536
Bromobenzene	U		0.118	1.00	1	10/01/2023 01:08	WG2142536
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 01:08	WG2142536
Bromoform	U		0.129	1.00	1	10/01/2023 01:08	WG2142536
Bromomethane	U	C3	0.605	5.00	1	10/01/2023 01:08	WG2142536
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 01:08	WG2142536
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 01:08	WG2142536
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 01:08	WG2142536
Carbon disulfide	U		0.0962	1.00	1	10/01/2023 01:08	WG2142536
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 01:08	WG2142536
Chlorobenzene	U		0.116	1.00	1	10/01/2023 01:08	WG2142536
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 01:08	WG2142536
Chloroethane	U		0.192	5.00	1	10/01/2023 01:08	WG2142536
Chloroform	U		0.111	5.00	1	10/01/2023 01:08	WG2142536
Chloromethane	U		0.960	2.50	1	10/01/2023 01:08	WG2142536
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 01:08	WG2142536
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 01:08	WG2142536
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 01:08	WG2142536
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 01:08	WG2142536
Dibromomethane	U		0.122	1.00	1	10/01/2023 01:08	WG2142536
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 01:08	WG2142536
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 01:08	WG2142536
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 01:08	WG2142536
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 01:08	WG2142536
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 01:08	WG2142536
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 01:08	WG2142536
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 01:08	WG2142536
cis-1,2-Dichloroethene	5.61		0.126	1.00	1	10/01/2023 01:08	WG2142536
trans-1,2-Dichloroethene	5.92		0.149	1.00	1	10/01/2023 01:08	WG2142536
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 01:08	WG2142536
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 01:08	WG2142536
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 01:08	WG2142536
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 01:08	WG2142536
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 01:08	WG2142536
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 01:08	WG2142536
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 01:08	WG2142536
Ethylbenzene	U		0.137	1.00	1	10/01/2023 01:08	WG2142536
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 01:08	WG2142536
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 01:08	WG2142536
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 01:08	WG2142536
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 01:08	WG2142536
Methylene Chloride	U		0.430	5.00	1	10/01/2023 01:08	WG2142536
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 01:08	WG2142536
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 01:08	WG2142536
Naphthalene	U		1.00	5.00	1	10/01/2023 01:08	WG2142536
n-Propylbenzene	0.110	J	0.0993	1.00	1	10/01/2023 01:08	WG2142536
Styrene	U		0.118	1.00	1	10/01/2023 01:08	WG2142536
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 01:08	WG2142536
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 01:08	WG2142536
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 01:08	WG2142536
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 01:08	WG2142536
Toluene	U		0.278	1.00	1	10/01/2023 01:08	WG2142536
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 01:08	WG2142536

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		0.481	1.00	1	10/01/2023 01:08	WG2142536
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 01:08	WG2142536
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 01:08	WG2142536
Trichloroethene	12.8		0.190	1.00	1	10/01/2023 01:08	WG2142536
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 01:08	WG2142536
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 01:08	WG2142536
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 01:08	WG2142536
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:08	WG2142536
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:08	WG2142536
Vinyl chloride	U		0.234	1.00	1	10/01/2023 01:08	WG2142536
Xylenes, Total	U		0.174	3.00	1	10/01/2023 01:08	WG2142536
(S) Toluene-d8	109			80.0-120		10/01/2023 01:08	WG2142536
(S) 4-Bromofluorobenzene	104			77.0-126		10/01/2023 01:08	WG2142536
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/01/2023 01:08	WG2142536

- 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	U		11.3	50.0	1	10/01/2023 01:29	WG2142536
Acrolein	U		2.54	50.0	1	10/01/2023 01:29	WG2142536
Acrylonitrile	U		0.671	10.0	1	10/01/2023 01:29	WG2142536
Benzene	U		0.0941	1.00	1	10/01/2023 01:29	WG2142536
Bromobenzene	U		0.118	1.00	1	10/01/2023 01:29	WG2142536
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 01:29	WG2142536
Bromoform	U		0.129	1.00	1	10/01/2023 01:29	WG2142536
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/01/2023 01:29	WG2142536
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 01:29	WG2142536
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 01:29	WG2142536
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 01:29	WG2142536
Carbon disulfide	U		0.0962	1.00	1	10/01/2023 01:29	WG2142536
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 01:29	WG2142536
Chlorobenzene	U		0.116	1.00	1	10/01/2023 01:29	WG2142536
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 01:29	WG2142536
Chloroethane	U		0.192	5.00	1	10/01/2023 01:29	WG2142536
Chloroform	U		0.111	5.00	1	10/01/2023 01:29	WG2142536
Chloromethane	U		0.960	2.50	1	10/01/2023 01:29	WG2142536
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 01:29	WG2142536
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 01:29	WG2142536
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 01:29	WG2142536
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 01:29	WG2142536
Dibromomethane	U		0.122	1.00	1	10/01/2023 01:29	WG2142536
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 01:29	WG2142536
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 01:29	WG2142536
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 01:29	WG2142536
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 01:29	WG2142536
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 01:29	WG2142536
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 01:29	WG2142536
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 01:29	WG2142536
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/01/2023 01:29	WG2142536
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/01/2023 01:29	WG2142536
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 01:29	WG2142536
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 01:29	WG2142536
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 01:29	WG2142536
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 01:29	WG2142536
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 01:29	WG2142536
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 01:29	WG2142536
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 01:29	WG2142536
Ethylbenzene	U		0.137	1.00	1	10/01/2023 01:29	WG2142536
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 01:29	WG2142536
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 01:29	WG2142536
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 01:29	WG2142536
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 01:29	WG2142536
Methylene Chloride	U		0.430	5.00	1	10/01/2023 01:29	WG2142536
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 01:29	WG2142536
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 01:29	WG2142536
Naphthalene	U		1.00	5.00	1	10/01/2023 01:29	WG2142536
n-Propylbenzene	U		0.0993	1.00	1	10/01/2023 01:29	WG2142536
Styrene	U		0.118	1.00	1	10/01/2023 01:29	WG2142536
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 01:29	WG2142536
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 01:29	WG2142536
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 01:29	WG2142536
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 01:29	WG2142536
Toluene	U		0.278	1.00	1	10/01/2023 01:29	WG2142536
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 01:29	WG2142536

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		0.481	1.00	1	10/01/2023 01:29	WG2142536
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 01:29	WG2142536
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 01:29	WG2142536
Trichloroethene	U		0.190	1.00	1	10/01/2023 01:29	WG2142536
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 01:29	WG2142536
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 01:29	WG2142536
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 01:29	WG2142536
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:29	WG2142536
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:29	WG2142536
Vinyl chloride	U		0.234	1.00	1	10/01/2023 01:29	WG2142536
Xylenes, Total	U		0.174	3.00	1	10/01/2023 01:29	WG2142536
(S) Toluene-d8	112			80.0-120		10/01/2023 01:29	WG2142536
(S) 4-Bromofluorobenzene	105			77.0-126		10/01/2023 01:29	WG2142536
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/01/2023 01:29	WG2142536

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

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	U		11.3	50.0	1	10/01/2023 01:49	WG2142536
Acrolein	U		2.54	50.0	1	10/01/2023 01:49	WG2142536
Acrylonitrile	U		0.671	10.0	1	10/01/2023 01:49	WG2142536
Benzene	U		0.0941	1.00	1	10/01/2023 01:49	WG2142536
Bromobenzene	U		0.118	1.00	1	10/01/2023 01:49	WG2142536
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 01:49	WG2142536
Bromoform	U		0.129	1.00	1	10/01/2023 01:49	WG2142536
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/01/2023 01:49	WG2142536
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 01:49	WG2142536
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 01:49	WG2142536
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 01:49	WG2142536
Carbon disulfide	U		0.0962	1.00	1	10/01/2023 01:49	WG2142536
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 01:49	WG2142536
Chlorobenzene	U		0.116	1.00	1	10/01/2023 01:49	WG2142536
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 01:49	WG2142536
Chloroethane	U		0.192	5.00	1	10/01/2023 01:49	WG2142536
Chloroform	U		0.111	5.00	1	10/01/2023 01:49	WG2142536
Chloromethane	U		0.960	2.50	1	10/01/2023 01:49	WG2142536
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 01:49	WG2142536
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 01:49	WG2142536
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 01:49	WG2142536
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 01:49	WG2142536
Dibromomethane	U		0.122	1.00	1	10/01/2023 01:49	WG2142536
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 01:49	WG2142536
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 01:49	WG2142536
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 01:49	WG2142536
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 01:49	WG2142536
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 01:49	WG2142536
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 01:49	WG2142536
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 01:49	WG2142536
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/01/2023 01:49	WG2142536
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/01/2023 01:49	WG2142536
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 01:49	WG2142536
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 01:49	WG2142536
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 01:49	WG2142536
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 01:49	WG2142536
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 01:49	WG2142536
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 01:49	WG2142536
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 01:49	WG2142536
Ethylbenzene	U		0.137	1.00	1	10/01/2023 01:49	WG2142536
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 01:49	WG2142536
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 01:49	WG2142536
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 01:49	WG2142536
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 01:49	WG2142536
Methylene Chloride	U		0.430	5.00	1	10/01/2023 01:49	WG2142536
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 01:49	WG2142536
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 01:49	WG2142536
Naphthalene	U		1.00	5.00	1	10/01/2023 01:49	WG2142536
n-Propylbenzene	U		0.0993	1.00	1	10/01/2023 01:49	WG2142536
Styrene	U		0.118	1.00	1	10/01/2023 01:49	WG2142536
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 01:49	WG2142536
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 01:49	WG2142536
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 01:49	WG2142536
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 01:49	WG2142536
Toluene	U		0.278	1.00	1	10/01/2023 01:49	WG2142536
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 01:49	WG2142536

1 Cp

2 Tc

3 Ss

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5 Sr

6 Qc

7 Gl

8 Al

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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		0.481	1.00	1	10/01/2023 01:49	WG2142536
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 01:49	WG2142536
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 01:49	WG2142536
Trichloroethene	U		0.190	1.00	1	10/01/2023 01:49	WG2142536
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 01:49	WG2142536
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 01:49	WG2142536
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 01:49	WG2142536
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:49	WG2142536
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:49	WG2142536
Vinyl chloride	U		0.234	1.00	1	10/01/2023 01:49	WG2142536
Xylenes, Total	U		0.174	3.00	1	10/01/2023 01:49	WG2142536
(S) Toluene-d8	108			80.0-120		10/01/2023 01:49	WG2142536
(S) 4-Bromofluorobenzene	103			77.0-126		10/01/2023 01:49	WG2142536
(S) 1,2-Dichloroethane-d4	106			70.0-130		10/01/2023 01:49	WG2142536

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Cp

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Tc

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Sr

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Gl

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Al

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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	U		11.3	50.0	1	10/01/2023 01:08	WG2142594
Acrolein	U	C3	2.54	50.0	1	10/01/2023 01:08	WG2142594
Acrylonitrile	U	C3	0.671	10.0	1	10/01/2023 01:08	WG2142594
Benzene	U		0.0941	1.00	1	10/01/2023 01:08	WG2142594
Bromobenzene	U		0.118	1.00	1	10/01/2023 01:08	WG2142594
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 01:08	WG2142594
Bromoform	U		0.129	1.00	1	10/01/2023 01:08	WG2142594
Bromomethane	U		0.605	5.00	1	10/01/2023 01:08	WG2142594
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 01:08	WG2142594
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 01:08	WG2142594
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 01:08	WG2142594
Carbon disulfide	U		0.0962	1.00	1	10/02/2023 17:40	WG2143273
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 01:08	WG2142594
Chlorobenzene	U		0.116	1.00	1	10/01/2023 01:08	WG2142594
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 01:08	WG2142594
Chloroethane	U		0.192	5.00	1	10/01/2023 01:08	WG2142594
Chloroform	U		0.111	5.00	1	10/01/2023 01:08	WG2142594
Chloromethane	U	J4	0.960	2.50	1	10/01/2023 01:08	WG2142594
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 01:08	WG2142594
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 01:08	WG2142594
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 01:08	WG2142594
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 01:08	WG2142594
Dibromomethane	U		0.122	1.00	1	10/01/2023 01:08	WG2142594
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 01:08	WG2142594
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 01:08	WG2142594
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 01:08	WG2142594
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 01:08	WG2142594
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 01:08	WG2142594
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 01:08	WG2142594
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 01:08	WG2142594
cis-1,2-Dichloroethene	3.68		0.126	1.00	1	10/01/2023 01:08	WG2142594
trans-1,2-Dichloroethene	2.93		0.149	1.00	1	10/01/2023 01:08	WG2142594
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 01:08	WG2142594
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 01:08	WG2142594
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 01:08	WG2142594
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 01:08	WG2142594
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 01:08	WG2142594
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 01:08	WG2142594
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 01:08	WG2142594
Ethylbenzene	U		0.137	1.00	1	10/01/2023 01:08	WG2142594
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 01:08	WG2142594
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 01:08	WG2142594
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 01:08	WG2142594
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 01:08	WG2142594
Methylene Chloride	U		0.430	5.00	1	10/01/2023 01:08	WG2142594
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 01:08	WG2142594
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 01:08	WG2142594
Naphthalene	U	C3	1.00	5.00	1	10/01/2023 01:08	WG2142594
n-Propylbenzene	U		0.0993	1.00	1	10/01/2023 01:08	WG2142594
Styrene	U		0.118	1.00	1	10/01/2023 01:08	WG2142594
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 01:08	WG2142594
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 01:08	WG2142594
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 01:08	WG2142594
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 01:08	WG2142594
Toluene	U		0.278	1.00	1	10/01/2023 01:08	WG2142594
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 01:08	WG2142594

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		0.481	1.00	1	10/01/2023 01:08	WG2142594
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 01:08	WG2142594
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 01:08	WG2142594
Trichloroethene	7.09		0.190	1.00	1	10/01/2023 01:08	WG2142594
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 01:08	WG2142594
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 01:08	WG2142594
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 01:08	WG2142594
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:08	WG2142594
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:08	WG2142594
Vinyl chloride	U	<u>J4</u>	0.234	1.00	1	10/01/2023 01:08	WG2142594
Xylenes, Total	U		0.174	3.00	1	10/01/2023 01:08	WG2142594
(S) Toluene-d8	105			80.0-120		10/01/2023 01:08	WG2142594
(S) Toluene-d8	110			80.0-120		10/02/2023 17:40	WG2143273
(S) 4-Bromofluorobenzene	96.7			77.0-126		10/01/2023 01:08	WG2142594
(S) 4-Bromofluorobenzene	102			77.0-126		10/02/2023 17:40	WG2143273
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/01/2023 01:08	WG2142594
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		10/02/2023 17:40	WG2143273

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	U		11.3	50.0	1	10/01/2023 01:27	WG2142594
Acrolein	U	C3	2.54	50.0	1	10/01/2023 01:27	WG2142594
Acrylonitrile	U	C3	0.671	10.0	1	10/01/2023 01:27	WG2142594
Benzene	U		0.0941	1.00	1	10/01/2023 01:27	WG2142594
Bromobenzene	U		0.118	1.00	1	10/01/2023 01:27	WG2142594
Bromodichloromethane	U		0.136	1.00	1	10/01/2023 01:27	WG2142594
Bromoform	U		0.129	1.00	1	10/01/2023 01:27	WG2142594
Bromomethane	U		0.605	5.00	1	10/01/2023 01:27	WG2142594
n-Butylbenzene	U		0.157	1.00	1	10/01/2023 01:27	WG2142594
sec-Butylbenzene	U		0.125	1.00	1	10/01/2023 01:27	WG2142594
tert-Butylbenzene	U		0.127	1.00	1	10/01/2023 01:27	WG2142594
Carbon disulfide	U		0.0962	1.00	1	10/02/2023 18:03	WG2143273
Carbon tetrachloride	U		0.128	1.00	1	10/01/2023 01:27	WG2142594
Chlorobenzene	U		0.116	1.00	1	10/01/2023 01:27	WG2142594
Chlorodibromomethane	U		0.140	1.00	1	10/01/2023 01:27	WG2142594
Chloroethane	U		0.192	5.00	1	10/01/2023 01:27	WG2142594
Chloroform	U		0.111	5.00	1	10/01/2023 01:27	WG2142594
Chloromethane	U	J4	0.960	2.50	1	10/01/2023 01:27	WG2142594
2-Chlorotoluene	U		0.106	1.00	1	10/01/2023 01:27	WG2142594
4-Chlorotoluene	U		0.114	1.00	1	10/01/2023 01:27	WG2142594
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/01/2023 01:27	WG2142594
1,2-Dibromoethane	U		0.126	1.00	1	10/01/2023 01:27	WG2142594
Dibromomethane	U		0.122	1.00	1	10/01/2023 01:27	WG2142594
1,2-Dichlorobenzene	U		0.107	1.00	1	10/01/2023 01:27	WG2142594
1,3-Dichlorobenzene	U		0.110	1.00	1	10/01/2023 01:27	WG2142594
1,4-Dichlorobenzene	U		0.120	1.00	1	10/01/2023 01:27	WG2142594
Dichlorodifluoromethane	U		0.374	5.00	1	10/01/2023 01:27	WG2142594
1,1-Dichloroethane	U		0.100	1.00	1	10/01/2023 01:27	WG2142594
1,2-Dichloroethane	U		0.0819	1.00	1	10/01/2023 01:27	WG2142594
1,1-Dichloroethene	U		0.188	1.00	1	10/01/2023 01:27	WG2142594
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/01/2023 01:27	WG2142594
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/01/2023 01:27	WG2142594
1,2-Dichloropropane	U		0.149	1.00	1	10/01/2023 01:27	WG2142594
1,1-Dichloropropene	U		0.142	1.00	1	10/01/2023 01:27	WG2142594
1,3-Dichloropropane	U		0.110	1.00	1	10/01/2023 01:27	WG2142594
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/01/2023 01:27	WG2142594
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/01/2023 01:27	WG2142594
2,2-Dichloropropane	U		0.161	1.00	1	10/01/2023 01:27	WG2142594
Di-isopropyl ether	U		0.105	1.00	1	10/01/2023 01:27	WG2142594
Ethylbenzene	U		0.137	1.00	1	10/01/2023 01:27	WG2142594
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/01/2023 01:27	WG2142594
Isopropylbenzene	U		0.105	1.00	1	10/01/2023 01:27	WG2142594
p-Isopropyltoluene	U		0.120	1.00	1	10/01/2023 01:27	WG2142594
2-Butanone (MEK)	U		1.19	10.0	1	10/01/2023 01:27	WG2142594
Methylene Chloride	U		0.430	5.00	1	10/01/2023 01:27	WG2142594
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/01/2023 01:27	WG2142594
Methyl tert-butyl ether	U		0.101	1.00	1	10/01/2023 01:27	WG2142594
Naphthalene	U	C3	1.00	5.00	1	10/01/2023 01:27	WG2142594
n-Propylbenzene	U		0.0993	1.00	1	10/01/2023 01:27	WG2142594
Styrene	U		0.118	1.00	1	10/01/2023 01:27	WG2142594
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/01/2023 01:27	WG2142594
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/01/2023 01:27	WG2142594
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/01/2023 01:27	WG2142594
Tetrachloroethene	U		0.300	1.00	1	10/01/2023 01:27	WG2142594
Toluene	U		0.278	1.00	1	10/01/2023 01:27	WG2142594
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/01/2023 01:27	WG2142594

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		0.481	1.00	1	10/01/2023 01:27	WG2142594
1,1,1-Trichloroethane	U		0.149	1.00	1	10/01/2023 01:27	WG2142594
1,1,2-Trichloroethane	U		0.158	1.00	1	10/01/2023 01:27	WG2142594
Trichloroethene	U		0.190	1.00	1	10/01/2023 01:27	WG2142594
Trichlorofluoromethane	U		0.160	5.00	1	10/01/2023 01:27	WG2142594
1,2,3-Trichloropropane	U		0.237	2.50	1	10/01/2023 01:27	WG2142594
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/01/2023 01:27	WG2142594
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:27	WG2142594
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/01/2023 01:27	WG2142594
Vinyl chloride	U	J4	0.234	1.00	1	10/01/2023 01:27	WG2142594
Xylenes, Total	U		0.174	3.00	1	10/01/2023 01:27	WG2142594
(S) Toluene-d8	105			80.0-120		10/01/2023 01:27	WG2142594
(S) Toluene-d8	113			80.0-120		10/02/2023 18:03	WG2143273
(S) 4-Bromofluorobenzene	95.1			77.0-126		10/01/2023 01:27	WG2142594
(S) 4-Bromofluorobenzene	100			77.0-126		10/02/2023 18:03	WG2143273
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/01/2023 01:27	WG2142594
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/02/2023 18:03	WG2143273

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

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	U		11.3	50.0	1	10/03/2023 12:04	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 12:04	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 12:04	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 12:04	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 12:04	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 12:04	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 12:04	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 12:04	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 12:04	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 12:04	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 12:04	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 12:04	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 12:04	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 12:04	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 12:04	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 12:04	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 12:04	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 12:04	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 12:04	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 12:04	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 12:04	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 12:04	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 12:04	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 12:04	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 12:04	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 12:04	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 12:04	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 12:04	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 12:04	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 12:04	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 12:04	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 12:04	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 12:04	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 12:04	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 12:04	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 12:04	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 12:04	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 12:04	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 12:04	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 12:04	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 12:04	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 12:04	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 12:04	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 12:04	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 12:04	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 12:04	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 12:04	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 12:04	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 12:04	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 12:04	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 12:04	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 12:04	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 12:04	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 12:04	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 12:04	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 12:04	WG2142598

1 Cp

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3 Ss

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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		0.481	1.00	1	10/03/2023 12:04	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 12:04	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 12:04	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 12:04	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 12:04	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 12:04	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 12:04	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:04	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:04	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 12:04	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 12:04	WG2142598
(S) Toluene-d8	110			80.0-120		10/03/2023 12:04	WG2142598
(S) 4-Bromofluorobenzene	103			77.0-126		10/03/2023 12:04	WG2142598
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/03/2023 12:04	WG2142598

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Cp

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Tc

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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	U		11.3	50.0	1	10/03/2023 12:25	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 12:25	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 12:25	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 12:25	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 12:25	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 12:25	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 12:25	WG2142598
Bromomethane	U	C3	0.605	5.00	1	10/03/2023 12:25	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 12:25	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 12:25	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 12:25	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 12:25	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 12:25	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 12:25	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 12:25	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 12:25	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 12:25	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 12:25	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 12:25	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 12:25	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 12:25	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 12:25	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 12:25	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 12:25	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 12:25	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 12:25	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 12:25	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 12:25	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 12:25	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 12:25	WG2142598
cis-1,2-Dichloroethene	0.181	U	0.126	1.00	1	10/03/2023 12:25	WG2142598
trans-1,2-Dichloroethene	0.175	U	0.149	1.00	1	10/03/2023 12:25	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 12:25	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 12:25	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 12:25	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 12:25	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 12:25	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 12:25	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 12:25	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 12:25	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 12:25	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 12:25	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 12:25	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 12:25	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 12:25	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 12:25	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 12:25	WG2142598
Naphthalene	U	C3	1.00	5.00	1	10/03/2023 12:25	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 12:25	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 12:25	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 12:25	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 12:25	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 12:25	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 12:25	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 12:25	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 12:25	WG2142598

1 Cp

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5 Sr

6 Qc

7 Gl

8 Al

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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		0.481	1.00	1	10/03/2023 12:25	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 12:25	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 12:25	WG2142598
Trichloroethene	0.375	<u>J</u>	0.190	1.00	1	10/03/2023 12:25	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 12:25	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 12:25	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 12:25	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:25	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:25	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 12:25	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 12:25	WG2142598
(S) Toluene-d8	110			80.0-120		10/03/2023 12:25	WG2142598
(S) 4-Bromofluorobenzene	100			77.0-126		10/03/2023 12:25	WG2142598
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/03/2023 12:25	WG2142598

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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	U		11.3	50.0	1	10/03/2023 12:45	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 12:45	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 12:45	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 12:45	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 12:45	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 12:45	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 12:45	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 12:45	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 12:45	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 12:45	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 12:45	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 12:45	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 12:45	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 12:45	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 12:45	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 12:45	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 12:45	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 12:45	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 12:45	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 12:45	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 12:45	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 12:45	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 12:45	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 12:45	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 12:45	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 12:45	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 12:45	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 12:45	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 12:45	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 12:45	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 12:45	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 12:45	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 12:45	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 12:45	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 12:45	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 12:45	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 12:45	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 12:45	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 12:45	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 12:45	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 12:45	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 12:45	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 12:45	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 12:45	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 12:45	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 12:45	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 12:45	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 12:45	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 12:45	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 12:45	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 12:45	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 12:45	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 12:45	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 12:45	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 12:45	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 12:45	WG2142598

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		0.481	1.00	1	10/03/2023 12:45	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 12:45	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 12:45	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 12:45	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 12:45	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 12:45	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 12:45	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:45	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 12:45	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 12:45	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 12:45	WG2142598
(S) Toluene-d8	111			80.0-120		10/03/2023 12:45	WG2142598
(S) 4-Bromofluorobenzene	102			77.0-126		10/03/2023 12:45	WG2142598
(S) 1,2-Dichloroethane-d4	107			70.0-130		10/03/2023 12:45	WG2142598

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Cp

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Tc

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Sr

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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	U		11.3	50.0	1	10/03/2023 13:06	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 13:06	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 13:06	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 13:06	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 13:06	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 13:06	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 13:06	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 13:06	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 13:06	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 13:06	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 13:06	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 13:06	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 13:06	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 13:06	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 13:06	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 13:06	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 13:06	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 13:06	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 13:06	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 13:06	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 13:06	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 13:06	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 13:06	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 13:06	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 13:06	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 13:06	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 13:06	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 13:06	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 13:06	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 13:06	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 13:06	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 13:06	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 13:06	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 13:06	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 13:06	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 13:06	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 13:06	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 13:06	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 13:06	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 13:06	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 13:06	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 13:06	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 13:06	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 13:06	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 13:06	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 13:06	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 13:06	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 13:06	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 13:06	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 13:06	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 13:06	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 13:06	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 13:06	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 13:06	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 13:06	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 13:06	WG2142598

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		0.481	1.00	1	10/03/2023 13:06	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 13:06	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 13:06	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 13:06	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 13:06	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 13:06	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 13:06	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:06	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:06	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 13:06	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 13:06	WG2142598
(S) Toluene-d8	112			80.0-120		10/03/2023 13:06	WG2142598
(S) 4-Bromofluorobenzene	102			77.0-126		10/03/2023 13:06	WG2142598
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/03/2023 13:06	WG2142598

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	U		11.3	50.0	1	10/03/2023 13:26	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 13:26	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 13:26	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 13:26	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 13:26	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 13:26	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 13:26	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 13:26	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 13:26	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 13:26	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 13:26	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 13:26	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 13:26	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 13:26	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 13:26	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 13:26	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 13:26	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 13:26	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 13:26	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 13:26	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 13:26	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 13:26	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 13:26	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 13:26	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 13:26	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 13:26	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 13:26	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 13:26	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 13:26	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 13:26	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 13:26	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 13:26	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 13:26	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 13:26	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 13:26	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 13:26	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 13:26	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 13:26	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 13:26	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 13:26	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 13:26	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 13:26	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 13:26	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 13:26	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 13:26	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 13:26	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 13:26	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 13:26	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 13:26	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 13:26	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 13:26	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 13:26	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 13:26	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 13:26	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 13:26	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 13:26	WG2142598

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		0.481	1.00	1	10/03/2023 13:26	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 13:26	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 13:26	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 13:26	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 13:26	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 13:26	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 13:26	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:26	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:26	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 13:26	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 13:26	WG2142598
(S) Toluene-d8	109			80.0-120		10/03/2023 13:26	WG2142598
(S) 4-Bromofluorobenzene	99.2			77.0-126		10/03/2023 13:26	WG2142598
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/03/2023 13:26	WG2142598

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Cp

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Gl

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Al

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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	U		11.3	50.0	1	10/03/2023 13:46	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 13:46	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 13:46	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 13:46	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 13:46	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 13:46	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 13:46	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 13:46	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 13:46	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 13:46	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 13:46	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 13:46	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 13:46	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 13:46	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 13:46	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 13:46	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 13:46	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 13:46	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 13:46	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 13:46	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 13:46	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 13:46	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 13:46	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 13:46	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 13:46	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 13:46	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 13:46	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 13:46	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 13:46	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 13:46	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 13:46	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 13:46	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 13:46	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 13:46	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 13:46	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 13:46	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 13:46	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 13:46	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 13:46	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 13:46	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 13:46	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 13:46	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 13:46	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 13:46	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 13:46	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 13:46	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 13:46	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 13:46	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 13:46	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 13:46	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 13:46	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 13:46	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 13:46	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 13:46	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 13:46	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 13:46	WG2142598

1 Cp

2 Tc

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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		0.481	1.00	1	10/03/2023 13:46	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 13:46	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 13:46	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 13:46	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 13:46	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 13:46	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 13:46	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:46	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 13:46	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 13:46	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 13:46	WG2142598
(S) Toluene-d8	109			80.0-120		10/03/2023 13:46	WG2142598
(S) 4-Bromofluorobenzene	98.4			77.0-126		10/03/2023 13:46	WG2142598
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/03/2023 13:46	WG2142598

- 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	U		11.3	50.0	1	10/03/2023 11:44	WG2142598
Acrolein	U		2.54	50.0	1	10/03/2023 11:44	WG2142598
Acrylonitrile	U		0.671	10.0	1	10/03/2023 11:44	WG2142598
Benzene	U		0.0941	1.00	1	10/03/2023 11:44	WG2142598
Bromobenzene	U		0.118	1.00	1	10/03/2023 11:44	WG2142598
Bromodichloromethane	U		0.136	1.00	1	10/03/2023 11:44	WG2142598
Bromoform	U		0.129	1.00	1	10/03/2023 11:44	WG2142598
Bromomethane	U	<u>C3</u>	0.605	5.00	1	10/03/2023 11:44	WG2142598
n-Butylbenzene	U		0.157	1.00	1	10/03/2023 11:44	WG2142598
sec-Butylbenzene	U		0.125	1.00	1	10/03/2023 11:44	WG2142598
tert-Butylbenzene	U		0.127	1.00	1	10/03/2023 11:44	WG2142598
Carbon disulfide	U		0.0962	1.00	1	10/03/2023 11:44	WG2142598
Carbon tetrachloride	U		0.128	1.00	1	10/03/2023 11:44	WG2142598
Chlorobenzene	U		0.116	1.00	1	10/03/2023 11:44	WG2142598
Chlorodibromomethane	U		0.140	1.00	1	10/03/2023 11:44	WG2142598
Chloroethane	U		0.192	5.00	1	10/03/2023 11:44	WG2142598
Chloroform	U		0.111	5.00	1	10/03/2023 11:44	WG2142598
Chloromethane	U		0.960	2.50	1	10/03/2023 11:44	WG2142598
2-Chlorotoluene	U		0.106	1.00	1	10/03/2023 11:44	WG2142598
4-Chlorotoluene	U		0.114	1.00	1	10/03/2023 11:44	WG2142598
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/03/2023 11:44	WG2142598
1,2-Dibromoethane	U		0.126	1.00	1	10/03/2023 11:44	WG2142598
Dibromomethane	U		0.122	1.00	1	10/03/2023 11:44	WG2142598
1,2-Dichlorobenzene	U		0.107	1.00	1	10/03/2023 11:44	WG2142598
1,3-Dichlorobenzene	U		0.110	1.00	1	10/03/2023 11:44	WG2142598
1,4-Dichlorobenzene	U		0.120	1.00	1	10/03/2023 11:44	WG2142598
Dichlorodifluoromethane	U		0.374	5.00	1	10/03/2023 11:44	WG2142598
1,1-Dichloroethane	U		0.100	1.00	1	10/03/2023 11:44	WG2142598
1,2-Dichloroethane	U		0.0819	1.00	1	10/03/2023 11:44	WG2142598
1,1-Dichloroethene	U		0.188	1.00	1	10/03/2023 11:44	WG2142598
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/03/2023 11:44	WG2142598
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/03/2023 11:44	WG2142598
1,2-Dichloropropane	U		0.149	1.00	1	10/03/2023 11:44	WG2142598
1,1-Dichloropropene	U		0.142	1.00	1	10/03/2023 11:44	WG2142598
1,3-Dichloropropane	U		0.110	1.00	1	10/03/2023 11:44	WG2142598
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/03/2023 11:44	WG2142598
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/03/2023 11:44	WG2142598
2,2-Dichloropropane	U		0.161	1.00	1	10/03/2023 11:44	WG2142598
Di-isopropyl ether	U		0.105	1.00	1	10/03/2023 11:44	WG2142598
Ethylbenzene	U		0.137	1.00	1	10/03/2023 11:44	WG2142598
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/03/2023 11:44	WG2142598
Isopropylbenzene	U		0.105	1.00	1	10/03/2023 11:44	WG2142598
p-Isopropyltoluene	U		0.120	1.00	1	10/03/2023 11:44	WG2142598
2-Butanone (MEK)	U		1.19	10.0	1	10/03/2023 11:44	WG2142598
Methylene Chloride	U		0.430	5.00	1	10/03/2023 11:44	WG2142598
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/03/2023 11:44	WG2142598
Methyl tert-butyl ether	U		0.101	1.00	1	10/03/2023 11:44	WG2142598
Naphthalene	U	<u>C3</u>	1.00	5.00	1	10/03/2023 11:44	WG2142598
n-Propylbenzene	U		0.0993	1.00	1	10/03/2023 11:44	WG2142598
Styrene	U		0.118	1.00	1	10/03/2023 11:44	WG2142598
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/03/2023 11:44	WG2142598
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/03/2023 11:44	WG2142598
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/03/2023 11:44	WG2142598
Tetrachloroethene	U		0.300	1.00	1	10/03/2023 11:44	WG2142598
Toluene	U		0.278	1.00	1	10/03/2023 11:44	WG2142598
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/03/2023 11:44	WG2142598

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		0.481	1.00	1	10/03/2023 11:44	WG2142598
1,1,1-Trichloroethane	U		0.149	1.00	1	10/03/2023 11:44	WG2142598
1,1,2-Trichloroethane	U		0.158	1.00	1	10/03/2023 11:44	WG2142598
Trichloroethene	U		0.190	1.00	1	10/03/2023 11:44	WG2142598
Trichlorofluoromethane	U		0.160	5.00	1	10/03/2023 11:44	WG2142598
1,2,3-Trichloropropane	U		0.237	2.50	1	10/03/2023 11:44	WG2142598
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/03/2023 11:44	WG2142598
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 11:44	WG2142598
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/03/2023 11:44	WG2142598
Vinyl chloride	U		0.234	1.00	1	10/03/2023 11:44	WG2142598
Xylenes, Total	U		0.174	3.00	1	10/03/2023 11:44	WG2142598
(S) Toluene-d8	112			80.0-120		10/03/2023 11:44	WG2142598
(S) 4-Bromofluorobenzene	107			77.0-126		10/03/2023 11:44	WG2142598
(S) 1,2-Dichloroethane-d4	113			70.0-130		10/03/2023 11:44	WG2142598

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

Method Blank (MB)

(MB) R3980367-3 09/30/23 15:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3980367-3 09/30/23 15:24

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	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	0.541	U	0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	109			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) R3980367-1 09/30/23 14:23 • (LCSD) R3980367-2 09/30/23 14:43

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	29.9	29.2	120	117	19.0-160			2.37	27
Acrolein	25.0	22.1	22.1	88.4	88.4	10.0-160			0.000	26
Acrylonitrile	25.0	29.5	28.9	118	116	55.0-149			2.05	20

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

(LCS) R3980367-1 09/30/23 14:23 • (LCSD) R3980367-2 09/30/23 14:43

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	5.78	5.59	116	112	70.0-123			3.34	20
Bromobenzene	5.00	5.46	5.37	109	107	73.0-121			1.66	20
Bromodichloromethane	5.00	5.47	5.50	109	110	75.0-120			0.547	20
Bromoform	5.00	5.06	5.38	101	108	68.0-132			6.13	20
Bromomethane	5.00	3.45	4.07	69.0	81.4	10.0-160			16.5	25
n-Butylbenzene	5.00	5.56	4.96	111	99.2	73.0-125			11.4	20
sec-Butylbenzene	5.00	5.61	5.76	112	115	75.0-125			2.64	20
tert-Butylbenzene	5.00	5.67	5.81	113	116	76.0-124			2.44	20
Carbon disulfide	5.00	5.71	5.81	114	116	61.0-128			1.74	20
Carbon tetrachloride	5.00	5.78	5.73	116	115	68.0-126			0.869	20
Chlorobenzene	5.00	5.52	5.60	110	112	80.0-121			1.44	20
Chlorodibromomethane	5.00	5.37	5.37	107	107	77.0-125			0.000	20
Chloroethane	5.00	5.85	5.98	117	120	47.0-150			2.20	20
Chloroform	5.00	5.50	5.62	110	112	73.0-120			2.16	20
Chloromethane	5.00	5.44	5.45	109	109	41.0-142			0.184	20
2-Chlorotoluene	5.00	5.34	5.35	107	107	76.0-123			0.187	20
4-Chlorotoluene	5.00	5.36	5.30	107	106	75.0-122			1.13	20
1,2-Dibromo-3-Chloropropane	5.00	4.81	5.07	96.2	101	58.0-134			5.26	20
1,2-Dibromoethane	5.00	5.85	5.84	117	117	80.0-122			0.171	20
Dibromomethane	5.00	5.75	5.51	115	110	80.0-120			4.26	20
1,2-Dichlorobenzene	5.00	5.34	5.52	107	110	79.0-121			3.31	20
1,3-Dichlorobenzene	5.00	5.47	5.31	109	106	79.0-120			2.97	20
1,4-Dichlorobenzene	5.00	5.29	5.39	106	108	79.0-120			1.87	20
Dichlorodifluoromethane	5.00	5.18	5.63	104	113	51.0-149			8.33	20
1,1-Dichloroethane	5.00	5.56	5.73	111	115	70.0-126			3.01	20
1,2-Dichloroethane	5.00	5.56	5.43	111	109	70.0-128			2.37	20
1,1-Dichloroethene	5.00	6.18	6.11	124	122	71.0-124			1.14	20
cis-1,2-Dichloroethene	5.00	5.75	5.75	115	115	73.0-120			0.000	20
trans-1,2-Dichloroethene	5.00	5.58	5.71	112	114	73.0-120			2.30	20
1,2-Dichloropropane	5.00	5.53	5.54	111	111	77.0-125			0.181	20
1,1-Dichloropropene	5.00	5.91	6.03	118	121	74.0-126			2.01	20
1,3-Dichloropropane	5.00	5.65	5.85	113	117	80.0-120			3.48	20
cis-1,3-Dichloropropene	5.00	5.37	5.23	107	105	80.0-123			2.64	20
trans-1,3-Dichloropropene	5.00	5.28	5.06	106	101	78.0-124			4.26	20
2,2-Dichloropropane	5.00	5.35	5.00	107	100	58.0-130			6.76	20
Di-isopropyl ether	5.00	5.48	5.62	110	112	58.0-138			2.52	20
Ethylbenzene	5.00	5.52	5.90	110	118	79.0-123			6.65	20
Hexachloro-1,3-butadiene	5.00	5.24	5.50	105	110	54.0-138			4.84	20
Isopropylbenzene	5.00	5.75	5.76	115	115	76.0-127			0.174	20
p-Isopropyltoluene	5.00	5.74	5.80	115	116	76.0-125			1.04	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3980367-1 09/30/23 14:23 • (LCSD) R3980367-2 09/30/23 14:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	26.4	26.7	106	107	44.0-160			1.13	20
Methylene Chloride	5.00	5.66	5.58	113	112	67.0-120			1.42	20
4-Methyl-2-pentanone (MIBK)	25.0	29.0	29.7	116	119	68.0-142			2.39	20
Methyl tert-butyl ether	5.00	5.50	5.64	110	113	68.0-125			2.51	20
Naphthalene	5.00	4.80	4.97	96.0	99.4	54.0-135			3.48	20
n-Propylbenzene	5.00	5.38	5.53	108	111	77.0-124			2.75	20
Styrene	5.00	5.40	5.77	108	115	73.0-130			6.62	20
1,1,1,2-Tetrachloroethane	5.00	5.54	5.36	111	107	75.0-125			3.30	20
1,1,2,2-Tetrachloroethane	5.00	5.32	5.49	106	110	65.0-130			3.15	20
1,1,2-Trichlorotrifluoroethane	5.00	5.33	5.59	107	112	69.0-132			4.76	20
Tetrachloroethene	5.00	6.02	5.89	120	118	72.0-132			2.18	20
Toluene	5.00	5.71	5.59	114	112	79.0-120			2.12	20
1,2,3-Trichlorobenzene	5.00	5.37	5.21	107	104	50.0-138			3.02	20
1,2,4-Trichlorobenzene	5.00	5.14	5.06	103	101	57.0-137			1.57	20
1,1,1-Trichloroethane	5.00	5.80	5.86	116	117	73.0-124			1.03	20
1,1,2-Trichloroethane	5.00	5.59	5.61	112	112	80.0-120			0.357	20
Trichloroethene	5.00	5.92	5.65	118	113	78.0-124			4.67	20
Trichlorofluoromethane	5.00	5.87	6.06	117	121	59.0-147			3.19	20
1,2,3-Trichloropropane	5.00	5.83	5.62	117	112	73.0-130			3.67	20
1,2,4-Trimethylbenzene	5.00	5.53	5.47	111	109	76.0-121			1.09	20
1,2,3-Trimethylbenzene	5.00	5.41	5.74	108	115	77.0-120			5.92	20
1,3,5-Trimethylbenzene	5.00	5.38	5.43	108	109	76.0-122			0.925	20
Vinyl chloride	5.00	5.93	5.70	119	114	67.0-131			3.96	20
Xylenes, Total	15.0	16.7	17.1	111	114	79.0-123			2.37	20
(S) Toluene-d8				109	110	80.0-120				
(S) 4-Bromofluorobenzene				107	106	77.0-126				
(S) 1,2-Dichloroethane-d4				106	103	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3980417-3 09/30/23 19:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3980417-3 09/30/23 19:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	98.9			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130



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

(LCS) R3980417-1 09/30/23 16:43 • (LCSD) R3980417-2 09/30/23 17:02

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	25.4	25.8	102	103	19.0-160			1.56	27
Acrolein	25.0	14.2	14.5	56.8	58.0	10.0-160			2.09	26
Acrylonitrile	25.0	19.6	19.4	78.4	77.6	55.0-149			1.03	20
Benzene	5.00	4.88	5.17	97.6	103	70.0-123			5.77	20

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

(LCS) R3980417-1 09/30/23 16:43 • (LCSD) R3980417-2 09/30/23 17:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	5.00	4.45	4.67	89.0	93.4	73.0-121			4.82	20
Bromodichloromethane	5.00	5.06	5.11	101	102	75.0-120			0.983	20
Bromoform	5.00	4.91	4.86	98.2	97.2	68.0-132			1.02	20
Bromomethane	5.00	5.98	6.46	120	129	10.0-160			7.72	25
n-Butylbenzene	5.00	4.15	3.91	83.0	78.2	73.0-125			5.96	20
sec-Butylbenzene	5.00	4.56	4.89	91.2	97.8	75.0-125			6.98	20
tert-Butylbenzene	5.00	4.23	4.48	84.6	89.6	76.0-124			5.74	20
Carbon tetrachloride	5.00	5.29	5.42	106	108	68.0-126			2.43	20
Chlorobenzene	5.00	4.83	4.90	96.6	98.0	80.0-121			1.44	20
Chlorodibromomethane	5.00	4.85	5.22	97.0	104	77.0-125			7.35	20
Chloroethane	5.00	6.52	7.03	130	141	47.0-150			7.53	20
Chloroform	5.00	5.11	5.15	102	103	73.0-120			0.780	20
Chloromethane	5.00	6.91	7.41	138	148	41.0-142		J4	6.98	20
2-Chlorotoluene	5.00	4.26	4.63	85.2	92.6	76.0-123			8.32	20
4-Chlorotoluene	5.00	4.31	4.57	86.2	91.4	75.0-122			5.86	20
1,2-Dibromo-3-Chloropropane	5.00	4.47	4.47	89.4	89.4	58.0-134			0.000	20
1,2-Dibromoethane	5.00	4.94	4.87	98.8	97.4	80.0-122			1.43	20
Dibromomethane	5.00	5.14	4.86	103	97.2	80.0-120			5.60	20
1,2-Dichlorobenzene	5.00	4.57	4.94	91.4	98.8	79.0-121			7.78	20
1,3-Dichlorobenzene	5.00	4.38	4.75	87.6	95.0	79.0-120			8.11	20
1,4-Dichlorobenzene	5.00	4.60	4.98	92.0	99.6	79.0-120			7.93	20
Dichlorodifluoromethane	5.00	6.14	6.38	123	128	51.0-149			3.83	20
1,1-Dichloroethane	5.00	5.27	5.32	105	106	70.0-126			0.944	20
1,2-Dichloroethane	5.00	5.03	5.07	101	101	70.0-128			0.792	20
1,1-Dichloroethene	5.00	5.38	5.34	108	107	71.0-124			0.746	20
cis-1,2-Dichloroethene	5.00	5.04	5.08	101	102	73.0-120			0.791	20
trans-1,2-Dichloroethene	5.00	4.89	5.23	97.8	105	73.0-120			6.72	20
1,2-Dichloropropane	5.00	5.24	5.50	105	110	77.0-125			4.84	20
1,1-Dichloropropene	5.00	5.14	5.10	103	102	74.0-126			0.781	20
1,3-Dichloropropane	5.00	4.95	4.88	99.0	97.6	80.0-120			1.42	20
cis-1,3-Dichloropropene	5.00	4.53	4.45	90.6	89.0	80.0-123			1.78	20
trans-1,3-Dichloropropene	5.00	4.36	4.65	87.2	93.0	78.0-124			6.44	20
2,2-Dichloropropane	5.00	4.64	4.97	92.8	99.4	58.0-130			6.87	20
Di-isopropyl ether	5.00	5.28	5.48	106	110	58.0-138			3.72	20
Ethylbenzene	5.00	4.70	4.85	94.0	97.0	79.0-123			3.14	20
Hexachloro-1,3-butadiene	5.00	4.51	4.89	90.2	97.8	54.0-138			8.09	20
Isopropylbenzene	5.00	4.57	4.72	91.4	94.4	76.0-127			3.23	20
p-Isopropyltoluene	5.00	4.24	4.48	84.8	89.6	76.0-125			5.50	20
2-Butanone (MEK)	25.0	24.4	24.4	97.6	97.6	44.0-160			0.000	20
Methylene Chloride	5.00	5.06	5.34	101	107	67.0-120			5.38	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3980417-1 09/30/23 16:43 • (LCSD) R3980417-2 09/30/23 17:02

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 %
4-Methyl-2-pentanone (MIBK)	25.0	26.5	26.0	106	104	68.0-142			1.90	20
Methyl tert-butyl ether	5.00	4.53	4.79	90.6	95.8	68.0-125			5.58	20
Naphthalene	5.00	3.94	4.21	78.8	84.2	54.0-135			6.63	20
n-Propylbenzene	5.00	4.41	4.79	88.2	95.8	77.0-124			8.26	20
Styrene	5.00	4.48	4.68	89.6	93.6	73.0-130			4.37	20
1,1,1,2-Tetrachloroethane	5.00	4.84	4.87	96.8	97.4	75.0-125			0.618	20
1,1,2,2-Tetrachloroethane	5.00	4.55	4.64	91.0	92.8	65.0-130			1.96	20
1,1,2-Trichlorotrifluoroethane	5.00	4.31	4.56	86.2	91.2	69.0-132			5.64	20
Tetrachloroethene	5.00	4.87	4.97	97.4	99.4	72.0-132			2.03	20
Toluene	5.00	4.83	5.07	96.6	101	79.0-120			4.85	20
1,2,3-Trichlorobenzene	5.00	4.56	4.57	91.2	91.4	50.0-138			0.219	20
1,2,4-Trichlorobenzene	5.00	4.16	4.37	83.2	87.4	57.0-137			4.92	20
1,1,1-Trichloroethane	5.00	5.34	5.32	107	106	73.0-124			0.375	20
1,1,2-Trichloroethane	5.00	5.13	5.06	103	101	80.0-120			1.37	20
Trichloroethene	5.00	5.28	5.28	106	106	78.0-124			0.000	20
Trichlorofluoromethane	5.00	6.65	6.74	133	135	59.0-147			1.34	20
1,2,3-Trichloropropane	5.00	4.78	4.84	95.6	96.8	73.0-130			1.25	20
1,2,4-Trimethylbenzene	5.00	4.31	4.44	86.2	88.8	76.0-121			2.97	20
1,2,3-Trimethylbenzene	5.00	4.44	4.50	88.8	90.0	77.0-120			1.34	20
1,3,5-Trimethylbenzene	5.00	4.37	4.54	87.4	90.8	76.0-122			3.82	20
Vinyl chloride	5.00	7.22	7.82	144	156	67.0-131	<u>J4</u>	<u>J4</u>	7.98	20
Xylenes, Total	15.0	13.2	13.8	88.0	92.0	79.0-123			4.44	20
(S) Toluene-d8				105	103	80.0-120				
(S) 4-Bromofluorobenzene				96.1	95.1	77.0-126				
(S) 1,2-Dichloroethane-d4				105	103	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3981213-3 10/03/23 10:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3981213-3 10/03/23 10:09

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	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	112			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	111			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3981213-1 10/03/23 09:08 • (LCSD) R3981213-2 10/03/23 09:29

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	25.3	27.0	101	108	19.0-160			6.50	27
Acrolein	25.0	22.2	25.9	88.8	104	10.0-160			15.4	26
Acrylonitrile	25.0	27.1	26.8	108	107	55.0-149			1.11	20

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

(LCS) R3981213-1 10/03/23 09:08 • (LCSD) R3981213-2 10/03/23 09:29

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	5.28	5.18	106	104	70.0-123			1.91	20
Bromobenzene	5.00	5.01	4.84	100	96.8	73.0-121			3.45	20
Bromodichloromethane	5.00	5.21	5.24	104	105	75.0-120			0.574	20
Bromoform	5.00	4.65	4.83	93.0	96.6	68.0-132			3.80	20
Bromomethane	5.00	3.12	3.52	62.4	70.4	10.0-160			12.0	25
n-Butylbenzene	5.00	4.60	4.81	92.0	96.2	73.0-125			4.46	20
sec-Butylbenzene	5.00	5.04	5.24	101	105	75.0-125			3.89	20
tert-Butylbenzene	5.00	4.97	5.32	99.4	106	76.0-124			6.80	20
Carbon disulfide	5.00	4.97	5.01	99.4	100	61.0-128			0.802	20
Carbon tetrachloride	5.00	5.23	5.17	105	103	68.0-126			1.15	20
Chlorobenzene	5.00	4.97	5.18	99.4	104	80.0-121			4.14	20
Chlorodibromomethane	5.00	5.08	5.18	102	104	77.0-125			1.95	20
Chloroethane	5.00	5.34	5.26	107	105	47.0-150			1.51	20
Chloroform	5.00	5.12	5.20	102	104	73.0-120			1.55	20
Chloromethane	5.00	5.81	5.81	116	116	41.0-142			0.000	20
2-Chlorotoluene	5.00	5.04	5.11	101	102	76.0-123			1.38	20
4-Chlorotoluene	5.00	4.88	4.89	97.6	97.8	75.0-122			0.205	20
1,2-Dibromo-3-Chloropropane	5.00	4.30	4.69	86.0	93.8	58.0-134			8.68	20
1,2-Dibromoethane	5.00	5.00	5.32	100	106	80.0-122			6.20	20
Dibromomethane	5.00	5.13	5.23	103	105	80.0-120			1.93	20
1,2-Dichlorobenzene	5.00	4.88	4.88	97.6	97.6	79.0-121			0.000	20
1,3-Dichlorobenzene	5.00	5.00	4.88	100	97.6	79.0-120			2.43	20
1,4-Dichlorobenzene	5.00	4.83	4.87	96.6	97.4	79.0-120			0.825	20
Dichlorodifluoromethane	5.00	5.63	5.71	113	114	51.0-149			1.41	20
1,1-Dichloroethane	5.00	5.31	5.15	106	103	70.0-126			3.06	20
1,2-Dichloroethane	5.00	5.22	5.26	104	105	70.0-128			0.763	20
1,1-Dichloroethene	5.00	5.32	5.28	106	106	71.0-124			0.755	20
cis-1,2-Dichloroethene	5.00	5.35	4.79	107	95.8	73.0-120			11.0	20
trans-1,2-Dichloroethene	5.00	5.04	5.14	101	103	73.0-120			1.96	20
1,2-Dichloropropane	5.00	5.18	5.10	104	102	77.0-125			1.56	20
1,1-Dichloropropene	5.00	5.40	5.35	108	107	74.0-126			0.930	20
1,3-Dichloropropane	5.00	5.23	5.37	105	107	80.0-120			2.64	20
cis-1,3-Dichloropropene	5.00	4.85	4.92	97.0	98.4	80.0-123			1.43	20
trans-1,3-Dichloropropene	5.00	4.68	4.92	93.6	98.4	78.0-124			5.00	20
2,2-Dichloropropane	5.00	5.54	5.29	111	106	58.0-130			4.62	20
Di-isopropyl ether	5.00	5.25	5.31	105	106	58.0-138			1.14	20
Ethylbenzene	5.00	5.08	5.24	102	105	79.0-123			3.10	20
Hexachloro-1,3-butadiene	5.00	5.21	5.38	104	108	54.0-138			3.21	20
Isopropylbenzene	5.00	5.05	5.16	101	103	76.0-127			2.15	20
p-Isopropyltoluene	5.00	5.23	5.21	105	104	76.0-125			0.383	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3981213-1 10/03/23 09:08 • (LCSD) R3981213-2 10/03/23 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	23.8	24.5	95.2	98.0	44.0-160			2.90	20
Methylene Chloride	5.00	5.48	5.33	110	107	67.0-120			2.78	20
4-Methyl-2-pentanone (MIBK)	25.0	25.8	26.6	103	106	68.0-142			3.05	20
Methyl tert-butyl ether	5.00	5.09	5.11	102	102	68.0-125			0.392	20
Naphthalene	5.00	2.97	3.49	59.4	69.8	54.0-135			16.1	20
n-Propylbenzene	5.00	4.96	4.95	99.2	99.0	77.0-124			0.202	20
Styrene	5.00	4.98	5.02	99.6	100	73.0-130			0.800	20
1,1,1,2-Tetrachloroethane	5.00	4.98	5.05	99.6	101	75.0-125			1.40	20
1,1,2,2-Tetrachloroethane	5.00	4.97	5.25	99.4	105	65.0-130			5.48	20
1,1,2-Trichlorotrifluoroethane	5.00	5.25	5.07	105	101	69.0-132			3.49	20
Tetrachloroethene	5.00	5.26	5.26	105	105	72.0-132			0.000	20
Toluene	5.00	5.02	5.11	100	102	79.0-120			1.78	20
1,2,3-Trichlorobenzene	5.00	4.47	4.77	89.4	95.4	50.0-138			6.49	20
1,2,4-Trichlorobenzene	5.00	4.43	4.75	88.6	95.0	57.0-137			6.97	20
1,1,1-Trichloroethane	5.00	5.32	5.44	106	109	73.0-124			2.23	20
1,1,2-Trichloroethane	5.00	5.00	5.21	100	104	80.0-120			4.11	20
Trichloroethene	5.00	5.12	5.17	102	103	78.0-124			0.972	20
Trichlorofluoromethane	5.00	5.87	5.98	117	120	59.0-147			1.86	20
1,2,3-Trichloropropane	5.00	5.23	5.36	105	107	73.0-130			2.46	20
1,2,4-Trimethylbenzene	5.00	4.81	5.09	96.2	102	76.0-121			5.66	20
1,2,3-Trimethylbenzene	5.00	4.97	5.15	99.4	103	77.0-120			3.56	20
1,3,5-Trimethylbenzene	5.00	4.99	4.91	99.8	98.2	76.0-122			1.62	20
Vinyl chloride	5.00	5.65	5.66	113	113	67.0-131			0.177	20
Xylenes, Total	15.0	15.4	15.2	103	101	79.0-123			1.31	20
(S) Toluene-d8				108	108	80.0-120				
(S) 4-Bromofluorobenzene				105	104	77.0-126				
(S) 1,2-Dichloroethane-d4				109	110	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3981074-3 10/02/23 13:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	0.118	U	0.0941	1.00
Ethylbenzene	U		0.137	1.00
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	96.1			77.0-126
(S) 1,2-Dichloroethane-d4	112			70.0-130

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

(LCS) R3981074-1 10/02/23 11:11 • (LCSD) R3981074-2 10/02/23 11:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.43	5.27	109	105	70.0-123			2.99	20
Ethylbenzene	5.00	4.80	4.73	96.0	94.6	79.0-123			1.47	20
(S) Toluene-d8				102	101	80.0-120				
(S) 4-Bromofluorobenzene				92.9	96.4	77.0-126				
(S) 1,2-Dichloroethane-d4				112	113	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3981041-2 10/02/23 12:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Carbon disulfide	U		0.0962	1.00
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3981041-1 10/02/23 11:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Carbon disulfide	5.00	5.27	105	61.0-128	
(S) Toluene-d8			110	80.0-120	
(S) 4-Bromofluorobenzene			106	77.0-126	
(S) 1,2-Dichloroethane-d4			95.3	70.0-130	

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

State of Oregon Chain of Custody

D027

Agency, Authorized Purchaser or Agent:		Contract Laboratory Name: Pace Analytical	Lab Selection Criteria: <input type="checkbox"/> Proximity (if TAT < 48 hrs) <input type="checkbox"/> Prior work on same project <input checked="" type="checkbox"/> Cost (for anticipated analyses) <input type="checkbox"/> Other labs disqualified or unable to perform requested services <input type="checkbox"/> Emergency work	Turn Around Time: <input checked="" type="checkbox"/> 10 days (std.) <input type="checkbox"/> 5 days <input type="checkbox"/> 72 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Other
Send Lab Report To: Sarah Kingery Address: 165 E 7 th Ave, ste 100 Eugene, OR 97401 Tel #: 541-321-3687 E-mail: Sarah.kingery@deq.oregon.gov		Lab Batch #:	Invoice To: Address: DEQEXP@deq.state.or.us	

Project Name: Allen Street Groundwater Project #: QCat # 29490	Sample Preservative	
Sampler Name: Rachel Long	HCL	
	Requested Analyses	

Sample ID#	Collection Date/Time	Matrix	Number of Containers	8260	Comments				
1440 Allen Post	/	W	3	X					
1440 Allen Mid	/	W	3	X					
1440 Allen Pre	/	W	3	X					
1460 Allen Post	9/25 10:15	W	3	X					
1460 Allen Mid	9/25 10:22	W	3	X					
1460 Allen Pre	9/25 10:28	W	3	X					
1480 Allen Post	9/25 12:25	W	3	X					
1480 Allen Mid	9/25 12:35	W	3	X					
1480 Allen Pre	9/25 12:40	W	3	X					
1520 Allen Post	9/29 11:45	W	3	X					
1520 Allen Mid	9/25 11:50	W	3	X					
1520 Allen Pre	9/25 11:55	W	3	X					

Invoice: Date: 23May23 Shipping: 0.00
 Customer: PNP AZ Weight: 10 LBS Special: 0.00
 Phone: (615)758-5858 COD: Handling: 0.00
 Sat Del: N DV: 0.00 Total: 0.00

Svcs: PRIORITY OVERNIGHT
 TRACK: 6937 2250 9253

Notes:

Relinquished By: Rachel Long Signature: <i>[Signature]</i>	Agency/Agent: OR-DEQ Time & Date:	Received By: Alexa Mitchell Signature: <i>[Signature]</i>	Agency/Agent: PACE Time & Date: 9/26/23 0900
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT #__ THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS AND SPECIAL CONTRACT TERMS AND CONDITIONS (T'S & C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S AND C'S, EXPRESS OR IMPLIED.

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State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent:	Contract Laboratory Name: Pace Analytical	Lab Selection Criteria: <input type="checkbox"/> Proximity (if TAT < 48 hrs) <input type="checkbox"/> Prior work on same project <input checked="" type="checkbox"/> Cost (for anticipated analyses) <input type="checkbox"/> Other labs disqualified or unable to perform requested services <input type="checkbox"/> Emergency work	Turn Around Time: <input checked="" type="checkbox"/> 10 days (std.) <input type="checkbox"/> 5 days <input type="checkbox"/> 72 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Other
Send Lab Report To: Sarah Kingery Address: 165 E 7 th Ave, ste 100 Eugene, OR 97401 Tel. #: 541-321-3687 E-mail: Sarah.kingery@deq.oregon.gov	Lab Batch #: Invoice To: Address: DEQEXP@deq.state.or.us		

Project Name: Allen Street Groundwater Project #: QCat # 29490	Sample Preservative
Sampler Name: Rachel Long	HCL
	Requested Analyses

Sample ID#	Collection Date/Time	Matrix	Number of Containers	8260B	Comments
1540 Allen Post	9/25 11:05	W	3	X	High Pressure. Sterile bottle -10
1540 Allen Mid	9/25 11:10	W	3	X	-11
1540 Allen Pre	9/25 11:22	W	3	X	-12
1540 Allen Pre (Duplicate)	9/25 11:22	W	3	X	-13
Trip Blank	9/25 12:45	W	1	X	-14

Sample Receipt Checklist
 COC Seal Present/Intact: Y N If Applicable
 COC Signed/Accurate: Y N VOA Zero Headspace: Y N
 Bottles arrive intact: Y N Pres. Correct/Check: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N 4.2 + 0 = 4.2
 RA Screen <0.5 mR/hr: Y N

Notes: 1540 Allen Post had high pressure. Used sterile bottle to collect water then distributed water to VOT.

Relinquished By: Rachel Long	Agency/Agent: OR-DEQ	Received By: Alexa Mitchell	Agency/Agent: PACE
Signature: <i>Rachel Long</i>	Time & Date:	Signature: <i>Alexa Mitchell</i>	Time & Date: 9/26/23 09:00
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

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