



## Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1556521  
Samples Received: 11/10/2022  
Project Number: 663399  
Description: ODEQ - Montezuma West

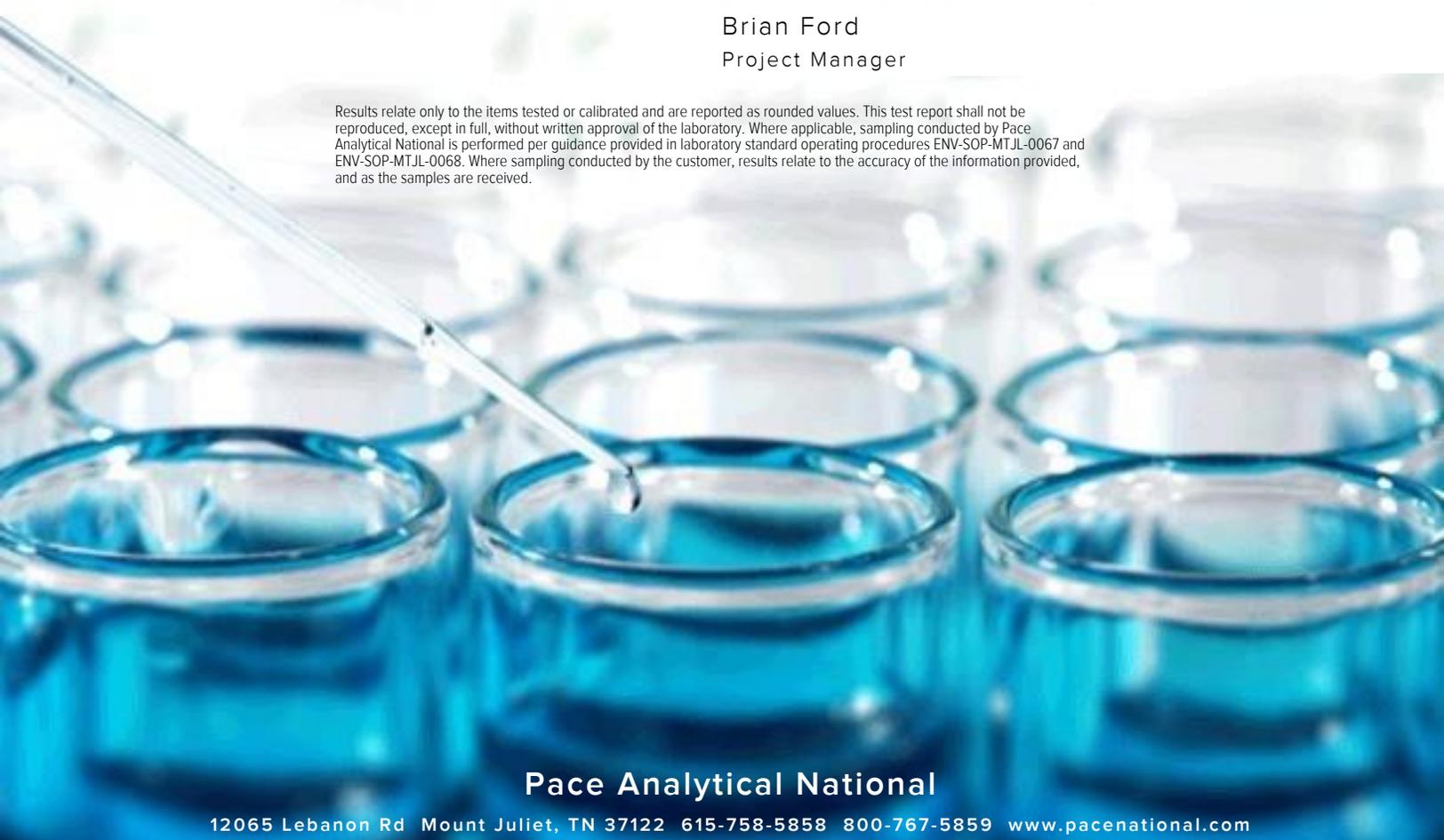
Report To: Sarah Kingery  
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Eugene, OR 97401

Entire Report Reviewed By:



Brian Ford  
Project Manager

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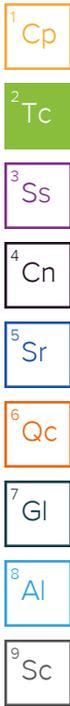


Pace Analytical National

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# SAMPLE SUMMARY

## DW-18 L1556521-01 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 11:40  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 13:03	AMG	Mt. Juliet, TN



## DW-19 L1556521-02 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 12:00  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 13:22	AMG	Mt. Juliet, TN

## DW-20 L1556521-03 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 12:10  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 13:41	AMG	Mt. Juliet, TN

## DW-21 L1556521-04 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 12:35  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 14:00	AMG	Mt. Juliet, TN

## CTO-117 L1556521-05 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 13:05  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1959278	1	11/14/22 18:23	11/14/22 18:23	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 14:19	AMG	Mt. Juliet, TN

## CTK-117 L1556521-06 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 13:05  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1959278	1	11/14/22 18:43	11/14/22 18:43	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 14:38	AMG	Mt. Juliet, TN

## DW25-K L1556521-07 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 13:35  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1959278	1	11/14/22 19:04	11/14/22 19:04	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 14:57	AMG	Mt. Juliet, TN

## DW-25-O L1556521-08 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 13:35  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1959639	1	11/15/22 02:53	11/15/22 02:53	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 15:16	AMG	Mt. Juliet, TN

# SAMPLE SUMMARY

## MW-11 L1556521-09 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 14:10  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 15:35	AMG	Mt. Juliet, TN

1 Cp

2 Tc

## MW-17 L1556521-10 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 14:40  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 15:54	AMG	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

## MW-14 L1556521-11 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 15:00  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 16:14	AMG	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

## DW-27 L1556521-12 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 15:39  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1957888	1	11/13/22 18:47	11/14/22 16:33	AMG	Mt. Juliet, TN

9 Sc

## TRIP L1556521-15 GW

Collected by Sarah Kingery  
 Collected date/time 11/07/22 00:00  
 Received date/time 11/10/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1958974	1	11/13/22 23:04	11/13/22 23:04	ACG	Mt. Juliet, TN

# CASE NARRATIVE

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



Brian Ford  
Project Manager

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	11/14/2022 13:03	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	69.1			10.0-120		11/14/2022 13:03	<a href="#">WG1957888</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.787		0.0447	0.400	1	11/14/2022 13:22	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	56.1			10.0-120		11/14/2022 13:22	<a href="#">WG1957888</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	11/14/2022 13:41	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	63.0			10.0-120		11/14/2022 13:41	<a href="#">WG1957888</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
1,4-Dioxane	3.84		0.0447	0.400	1	11/14/2022 14:00	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	63.2			10.0-120		11/14/2022 14:00	<a href="#">WG1957888</a>

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> 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	11/14/2022 18:23	WG1959278
Acrolein	U	C3	2.54	50.0	1	11/14/2022 18:23	WG1959278
Acrylonitrile	U		0.671	10.0	1	11/14/2022 18:23	WG1959278
Benzene	U		0.0941	1.00	1	11/14/2022 18:23	WG1959278
Bromobenzene	U		0.118	1.00	1	11/14/2022 18:23	WG1959278
Bromodichloromethane	U		0.136	1.00	1	11/14/2022 18:23	WG1959278
Bromoform	U		0.129	1.00	1	11/14/2022 18:23	WG1959278
Bromomethane	U	C3	0.605	5.00	1	11/14/2022 18:23	WG1959278
n-Butylbenzene	U		0.157	1.00	1	11/14/2022 18:23	WG1959278
sec-Butylbenzene	U		0.125	1.00	1	11/14/2022 18:23	WG1959278
tert-Butylbenzene	U		0.127	1.00	1	11/14/2022 18:23	WG1959278
Carbon disulfide	U	C3	0.0962	1.00	1	11/14/2022 18:23	WG1959278
Carbon tetrachloride	U		0.128	1.00	1	11/14/2022 18:23	WG1959278
Chlorobenzene	U		0.116	1.00	1	11/14/2022 18:23	WG1959278
Chlorodibromomethane	U		0.140	1.00	1	11/14/2022 18:23	WG1959278
Chloroethane	U	C3	0.192	5.00	1	11/14/2022 18:23	WG1959278
Chloroform	U		0.111	5.00	1	11/14/2022 18:23	WG1959278
Chloromethane	U		0.960	2.50	1	11/14/2022 18:23	WG1959278
2-Chlorotoluene	U		0.106	1.00	1	11/14/2022 18:23	WG1959278
4-Chlorotoluene	U		0.114	1.00	1	11/14/2022 18:23	WG1959278
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2022 18:23	WG1959278
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2022 18:23	WG1959278
Dibromomethane	U		0.122	1.00	1	11/14/2022 18:23	WG1959278
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2022 18:23	WG1959278
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2022 18:23	WG1959278
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2022 18:23	WG1959278
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2022 18:23	WG1959278
1,1-Dichloroethane	1.37		0.100	1.00	1	11/14/2022 18:23	WG1959278
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2022 18:23	WG1959278
1,1-Dichloroethene	2.62	C3	0.188	1.00	1	11/14/2022 18:23	WG1959278
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2022 18:23	WG1959278
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2022 18:23	WG1959278
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2022 18:23	WG1959278
1,1-Dichloropropene	U		0.142	1.00	1	11/14/2022 18:23	WG1959278
1,3-Dichloropropane	U		0.110	1.00	1	11/14/2022 18:23	WG1959278
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2022 18:23	WG1959278
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2022 18:23	WG1959278
2,2-Dichloropropane	U		0.161	1.00	1	11/14/2022 18:23	WG1959278
Di-isopropyl ether	U		0.105	1.00	1	11/14/2022 18:23	WG1959278
Ethylbenzene	U		0.137	1.00	1	11/14/2022 18:23	WG1959278
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/14/2022 18:23	WG1959278
Isopropylbenzene	U		0.105	1.00	1	11/14/2022 18:23	WG1959278
p-Isopropyltoluene	U		0.120	1.00	1	11/14/2022 18:23	WG1959278
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2022 18:23	WG1959278
Methylene Chloride	U		0.430	5.00	1	11/14/2022 18:23	WG1959278
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2022 18:23	WG1959278
Methyl tert-butyl ether	U		0.101	1.00	1	11/14/2022 18:23	WG1959278
Naphthalene	U		1.00	5.00	1	11/14/2022 18:23	WG1959278
n-Propylbenzene	U		0.0993	1.00	1	11/14/2022 18:23	WG1959278
Styrene	U		0.118	1.00	1	11/14/2022 18:23	WG1959278
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	11/14/2022 18:23	WG1959278
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2022 18:23	WG1959278
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2022 18:23	WG1959278
Tetrachloroethene	U		0.300	1.00	1	11/14/2022 18:23	WG1959278
Toluene	U		0.278	1.00	1	11/14/2022 18:23	WG1959278
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/14/2022 18:23	WG1959278

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	11/14/2022 18:23	<a href="#">WG1959278</a>
1,1,1-Trichloroethane	1.82		0.149	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
Trichloroethene	U		0.190	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
1,2,3-Trichloropropane	U		0.237	2.50	1	11/14/2022 18:23	<a href="#">WG1959278</a>
1,2,4-Trimethylbenzene	U		0.322	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
1,2,3-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
1,3,5-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
Vinyl chloride	U	<u>C3</u>	0.234	1.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
Xylenes, Total	U		0.174	3.00	1	11/14/2022 18:23	<a href="#">WG1959278</a>
(S) Toluene-d8	101			80.0-120		11/14/2022 18:23	<a href="#">WG1959278</a>
(S) 4-Bromofluorobenzene	98.1			77.0-126		11/14/2022 18:23	<a href="#">WG1959278</a>
(S) 1,2-Dichloroethane-d4	123			70.0-130		11/14/2022 18:23	<a href="#">WG1959278</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	8.23		0.0447	0.400	1	11/14/2022 14:19	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	36.9			10.0-120		11/14/2022 14:19	<a href="#">WG1957888</a>

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	11/14/2022 18:43	WG1959278
Acrolein	U	C3	2.54	50.0	1	11/14/2022 18:43	WG1959278
Acrylonitrile	U		0.671	10.0	1	11/14/2022 18:43	WG1959278
Benzene	U		0.0941	1.00	1	11/14/2022 18:43	WG1959278
Bromobenzene	U		0.118	1.00	1	11/14/2022 18:43	WG1959278
Bromodichloromethane	U		0.136	1.00	1	11/14/2022 18:43	WG1959278
Bromoform	U		0.129	1.00	1	11/14/2022 18:43	WG1959278
Bromomethane	U	C3	0.605	5.00	1	11/14/2022 18:43	WG1959278
n-Butylbenzene	U		0.157	1.00	1	11/14/2022 18:43	WG1959278
sec-Butylbenzene	U		0.125	1.00	1	11/14/2022 18:43	WG1959278
tert-Butylbenzene	U		0.127	1.00	1	11/14/2022 18:43	WG1959278
Carbon disulfide	U	C3	0.0962	1.00	1	11/14/2022 18:43	WG1959278
Carbon tetrachloride	U		0.128	1.00	1	11/14/2022 18:43	WG1959278
Chlorobenzene	U		0.116	1.00	1	11/14/2022 18:43	WG1959278
Chlorodibromomethane	U		0.140	1.00	1	11/14/2022 18:43	WG1959278
Chloroethane	U	C3	0.192	5.00	1	11/14/2022 18:43	WG1959278
Chloroform	U		0.111	5.00	1	11/14/2022 18:43	WG1959278
Chloromethane	U		0.960	2.50	1	11/14/2022 18:43	WG1959278
2-Chlorotoluene	U		0.106	1.00	1	11/14/2022 18:43	WG1959278
4-Chlorotoluene	U		0.114	1.00	1	11/14/2022 18:43	WG1959278
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2022 18:43	WG1959278
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2022 18:43	WG1959278
Dibromomethane	U		0.122	1.00	1	11/14/2022 18:43	WG1959278
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2022 18:43	WG1959278
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2022 18:43	WG1959278
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2022 18:43	WG1959278
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2022 18:43	WG1959278
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2022 18:43	WG1959278
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2022 18:43	WG1959278
1,1-Dichloroethene	U	C3	0.188	1.00	1	11/14/2022 18:43	WG1959278
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2022 18:43	WG1959278
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2022 18:43	WG1959278
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2022 18:43	WG1959278
1,1-Dichloropropene	U		0.142	1.00	1	11/14/2022 18:43	WG1959278
1,3-Dichloropropane	U		0.110	1.00	1	11/14/2022 18:43	WG1959278
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2022 18:43	WG1959278
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2022 18:43	WG1959278
2,2-Dichloropropane	U		0.161	1.00	1	11/14/2022 18:43	WG1959278
Di-isopropyl ether	U		0.105	1.00	1	11/14/2022 18:43	WG1959278
Ethylbenzene	U		0.137	1.00	1	11/14/2022 18:43	WG1959278
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/14/2022 18:43	WG1959278
Isopropylbenzene	U		0.105	1.00	1	11/14/2022 18:43	WG1959278
p-Isopropyltoluene	U		0.120	1.00	1	11/14/2022 18:43	WG1959278
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2022 18:43	WG1959278
Methylene Chloride	U		0.430	5.00	1	11/14/2022 18:43	WG1959278
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2022 18:43	WG1959278
Methyl tert-butyl ether	U		0.101	1.00	1	11/14/2022 18:43	WG1959278
Naphthalene	U		1.00	5.00	1	11/14/2022 18:43	WG1959278
n-Propylbenzene	U		0.0993	1.00	1	11/14/2022 18:43	WG1959278
Styrene	U		0.118	1.00	1	11/14/2022 18:43	WG1959278
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	11/14/2022 18:43	WG1959278
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2022 18:43	WG1959278
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2022 18:43	WG1959278
Tetrachloroethene	U		0.300	1.00	1	11/14/2022 18:43	WG1959278
Toluene	U		0.278	1.00	1	11/14/2022 18:43	WG1959278
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/14/2022 18:43	WG1959278

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	11/14/2022 18:43	<a href="#">WG1959278</a>
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
Trichloroethene	U		0.190	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
1,2,3-Trichloropropane	U		0.237	2.50	1	11/14/2022 18:43	<a href="#">WG1959278</a>
1,2,4-Trimethylbenzene	U		0.322	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
1,2,3-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
1,3,5-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
Vinyl chloride	U	<u>C3</u>	0.234	1.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
Xylenes, Total	U		0.174	3.00	1	11/14/2022 18:43	<a href="#">WG1959278</a>
(S) Toluene-d8	103			80.0-120		11/14/2022 18:43	<a href="#">WG1959278</a>
(S) 4-Bromofluorobenzene	98.1			77.0-126		11/14/2022 18:43	<a href="#">WG1959278</a>
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/14/2022 18:43	<a href="#">WG1959278</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.54		0.0447	0.400	1	11/14/2022 14:38	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	63.1			10.0-120		11/14/2022 14:38	<a href="#">WG1957888</a>

## 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	11/14/2022 19:04	WG1959278
Acrolein	U	C3	2.54	50.0	1	11/14/2022 19:04	WG1959278
Acrylonitrile	U		0.671	10.0	1	11/14/2022 19:04	WG1959278
Benzene	U		0.0941	1.00	1	11/14/2022 19:04	WG1959278
Bromobenzene	U		0.118	1.00	1	11/14/2022 19:04	WG1959278
Bromodichloromethane	U		0.136	1.00	1	11/14/2022 19:04	WG1959278
Bromoform	U		0.129	1.00	1	11/14/2022 19:04	WG1959278
Bromomethane	U	C3	0.605	5.00	1	11/14/2022 19:04	WG1959278
n-Butylbenzene	U		0.157	1.00	1	11/14/2022 19:04	WG1959278
sec-Butylbenzene	U		0.125	1.00	1	11/14/2022 19:04	WG1959278
tert-Butylbenzene	U		0.127	1.00	1	11/14/2022 19:04	WG1959278
Carbon disulfide	U	C3	0.0962	1.00	1	11/14/2022 19:04	WG1959278
Carbon tetrachloride	U		0.128	1.00	1	11/14/2022 19:04	WG1959278
Chlorobenzene	U		0.116	1.00	1	11/14/2022 19:04	WG1959278
Chlorodibromomethane	U		0.140	1.00	1	11/14/2022 19:04	WG1959278
Chloroethane	U	C3	0.192	5.00	1	11/14/2022 19:04	WG1959278
Chloroform	U		0.111	5.00	1	11/14/2022 19:04	WG1959278
Chloromethane	U		0.960	2.50	1	11/14/2022 19:04	WG1959278
2-Chlorotoluene	U		0.106	1.00	1	11/14/2022 19:04	WG1959278
4-Chlorotoluene	U		0.114	1.00	1	11/14/2022 19:04	WG1959278
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2022 19:04	WG1959278
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2022 19:04	WG1959278
Dibromomethane	U		0.122	1.00	1	11/14/2022 19:04	WG1959278
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2022 19:04	WG1959278
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2022 19:04	WG1959278
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2022 19:04	WG1959278
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2022 19:04	WG1959278
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2022 19:04	WG1959278
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2022 19:04	WG1959278
1,1-Dichloroethene	U	C3	0.188	1.00	1	11/14/2022 19:04	WG1959278
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2022 19:04	WG1959278
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2022 19:04	WG1959278
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2022 19:04	WG1959278
1,1-Dichloropropene	U		0.142	1.00	1	11/14/2022 19:04	WG1959278
1,3-Dichloropropane	U		0.110	1.00	1	11/14/2022 19:04	WG1959278
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2022 19:04	WG1959278
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2022 19:04	WG1959278
2,2-Dichloropropane	U		0.161	1.00	1	11/14/2022 19:04	WG1959278
Di-isopropyl ether	U		0.105	1.00	1	11/14/2022 19:04	WG1959278
Ethylbenzene	U		0.137	1.00	1	11/14/2022 19:04	WG1959278
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/14/2022 19:04	WG1959278
Isopropylbenzene	U		0.105	1.00	1	11/14/2022 19:04	WG1959278
p-Isopropyltoluene	U		0.120	1.00	1	11/14/2022 19:04	WG1959278
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2022 19:04	WG1959278
Methylene Chloride	U		0.430	5.00	1	11/14/2022 19:04	WG1959278
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2022 19:04	WG1959278
Methyl tert-butyl ether	U		0.101	1.00	1	11/14/2022 19:04	WG1959278
Naphthalene	U		1.00	5.00	1	11/14/2022 19:04	WG1959278
n-Propylbenzene	U		0.0993	1.00	1	11/14/2022 19:04	WG1959278
Styrene	U		0.118	1.00	1	11/14/2022 19:04	WG1959278
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	11/14/2022 19:04	WG1959278
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2022 19:04	WG1959278
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2022 19:04	WG1959278
Tetrachloroethene	U		0.300	1.00	1	11/14/2022 19:04	WG1959278
Toluene	U		0.278	1.00	1	11/14/2022 19:04	WG1959278
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/14/2022 19:04	WG1959278

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	11/14/2022 19:04	<a href="#">WG1959278</a>
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
Trichloroethene	U		0.190	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
1,2,3-Trichloropropane	U		0.237	2.50	1	11/14/2022 19:04	<a href="#">WG1959278</a>
1,2,4-Trimethylbenzene	U		0.322	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
1,2,3-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
1,3,5-Trimethylbenzene	U		0.104	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
Vinyl chloride	U	<u>C3</u>	0.234	1.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
Xylenes, Total	U		0.174	3.00	1	11/14/2022 19:04	<a href="#">WG1959278</a>
(S) Toluene-d8	102			80.0-120		11/14/2022 19:04	<a href="#">WG1959278</a>
(S) 4-Bromofluorobenzene	98.4			77.0-126		11/14/2022 19:04	<a href="#">WG1959278</a>
(S) 1,2-Dichloroethane-d4	121			70.0-130		11/14/2022 19:04	<a href="#">WG1959278</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	11/14/2022 14:57	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	65.7			10.0-120		11/14/2022 14:57	<a href="#">WG1957888</a>

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	11/15/2022 02:53	<a href="#">WG1959639</a>
Acrolein	U		2.54	50.0	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Acrylonitrile	U		0.671	10.0	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Benzene	U		0.0941	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Bromobenzene	U		0.118	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Bromodichloromethane	U		0.136	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Bromoform	U		0.129	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Bromomethane	U		0.605	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
n-Butylbenzene	U		0.157	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
sec-Butylbenzene	U		0.125	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
tert-Butylbenzene	U		0.127	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Carbon disulfide	U		0.0962	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Carbon tetrachloride	U		0.128	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Chlorobenzene	U		0.116	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Chlorodibromomethane	U		0.140	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Chloroethane	U		0.192	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Chloroform	U		0.111	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Chloromethane	U		0.960	2.50	1	11/15/2022 02:53	<a href="#">WG1959639</a>
2-Chlorotoluene	U		0.106	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
4-Chlorotoluene	U		0.114	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2-Dibromoethane	U		0.126	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Dibromomethane	U		0.122	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2-Dichlorobenzene	U		0.107	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,3-Dichlorobenzene	U		0.110	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,4-Dichlorobenzene	U		0.120	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Dichlorodifluoromethane	U		0.374	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1-Dichloroethane	0.669	J	0.100	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2-Dichloroethane	U		0.0819	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1-Dichloroethene	1.30		0.188	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2-Dichloropropane	U		0.149	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1-Dichloropropene	U		0.142	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,3-Dichloropropane	U		0.110	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
2,2-Dichloropropane	U		0.161	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Di-isopropyl ether	U		0.105	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Ethylbenzene	U		0.137	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Isopropylbenzene	U		0.105	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
p-Isopropyltoluene	U		0.120	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
2-Butanone (MEK)	U		1.19	10.0	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Methylene Chloride	U		0.430	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Methyl tert-butyl ether	U		0.101	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Naphthalene	U		1.00	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
n-Propylbenzene	U		0.0993	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Styrene	U		0.118	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Tetrachloroethene	U		0.300	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Toluene	U		0.278	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>

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	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1,1-Trichloroethane	0.523	J	0.149	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,1,2-Trichloroethane	U		0.158	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Trichloroethene	U		0.190	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Trichlorofluoromethane	U		0.160	5.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2,3-Trichloropropane	U		0.237	2.50	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2,4-Trimethylbenzene	U		0.322	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,2,3-Trimethylbenzene	U		0.104	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
1,3,5-Trimethylbenzene	U		0.104	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Vinyl chloride	U		0.234	1.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
Xylenes, Total	U		0.174	3.00	1	11/15/2022 02:53	<a href="#">WG1959639</a>
(S) Toluene-d8	101			80.0-120		11/15/2022 02:53	<a href="#">WG1959639</a>
(S) 4-Bromofluorobenzene	97.1			77.0-126		11/15/2022 02:53	<a href="#">WG1959639</a>
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		11/15/2022 02:53	<a href="#">WG1959639</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	6.37		0.0447	0.400	1	11/14/2022 15:16	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	67.6			10.0-120		11/14/2022 15:16	<a href="#">WG1957888</a>

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	8.90		0.0447	0.400	1	11/14/2022 15:35	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	69.3			10.0-120		11/14/2022 15:35	<a href="#">WG1957888</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
1,4-Dioxane	8.65		0.0447	0.400	1	11/14/2022 15:54	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	72.0			10.0-120		11/14/2022 15:54	<a href="#">WG1957888</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	2.31		0.0447	0.400	1	11/14/2022 16:14	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	69.4			10.0-120		11/14/2022 16:14	<a href="#">WG1957888</a>

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

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	11/14/2022 16:33	<a href="#">WG1957888</a>
(S) Nitrobenzene-d5	68.3			10.0-120		11/14/2022 16:33	<a href="#">WG1957888</a>

- 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	11/13/2022 23:04	<a href="#">WG1958974</a>
Acrolein	U	<a href="#">J4</a>	2.54	50.0	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Acrylonitrile	U		0.671	10.0	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Benzene	U		0.0941	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Bromobenzene	U		0.118	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Bromodichloromethane	U		0.136	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Bromoform	U		0.129	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Bromomethane	U		0.605	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
n-Butylbenzene	U		0.157	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
sec-Butylbenzene	U		0.125	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
tert-Butylbenzene	U		0.127	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Carbon disulfide	U		0.0962	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Carbon tetrachloride	U		0.128	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Chlorobenzene	U		0.116	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Chlorodibromomethane	U		0.140	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Chloroethane	U		0.192	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Chloroform	U		0.111	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Chloromethane	U		0.960	2.50	1	11/13/2022 23:04	<a href="#">WG1958974</a>
2-Chlorotoluene	U		0.106	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
4-Chlorotoluene	U		0.114	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Dibromomethane	U		0.122	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1-Dichloroethene	U	<a href="#">J4</a>	0.188	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
trans-1,2-Dichloroethene	U	<a href="#">J4</a>	0.149	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1-Dichloropropene	U		0.142	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,3-Dichloropropane	U		0.110	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
2,2-Dichloropropane	U		0.161	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Di-isopropyl ether	U		0.105	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Ethylbenzene	U		0.137	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Isopropylbenzene	U		0.105	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
p-Isopropyltoluene	U		0.120	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Methylene Chloride	U		0.430	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Methyl tert-butyl ether	U		0.101	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Naphthalene	U		1.00	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
n-Propylbenzene	U		0.0993	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Styrene	U		0.118	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Tetrachloroethene	U		0.300	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Toluene	U		0.278	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>

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	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Trichloroethene	U		0.190	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2,3-Trichloropropane	U		0.237	2.50	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2,4-Trimethylbenzene	U		0.322	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,2,3-Trimethylbenzene	U		0.104	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
1,3,5-Trimethylbenzene	U		0.104	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Vinyl chloride	U	<u>J4</u>	0.234	1.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
Xylenes, Total	U		0.174	3.00	1	11/13/2022 23:04	<a href="#">WG1958974</a>
(S) Toluene-d8	101			80.0-120		11/13/2022 23:04	<a href="#">WG1958974</a>
(S) 4-Bromofluorobenzene	97.1			77.0-126		11/13/2022 23:04	<a href="#">WG1958974</a>
(S) 1,2-Dichloroethane-d4	112			70.0-130		11/13/2022 23:04	<a href="#">WG1958974</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3860844-2 11/13/22 21:52

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3860844-2 11/13/22 21:52

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	101			80.0-120
(S) 4-Bromofluorobenzene	94.2			77.0-126
(S) 1,2-Dichloroethane-d4	110			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)

(LCS) R3860844-1 11/13/22 21:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	26.8	107	19.0-160	
Acrolein	25.0	80.6	322	10.0-160	J4
Acrylonitrile	25.0	31.6	126	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R3860844-1 11/13/22 21:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	5.41	108	70.0-123	
Bromobenzene	5.00	4.83	96.6	73.0-121	
Bromodichloromethane	5.00	5.59	112	75.0-120	
Bromoform	5.00	5.14	103	68.0-132	
Bromomethane	5.00	5.74	115	10.0-160	
n-Butylbenzene	5.00	4.58	91.6	73.0-125	
sec-Butylbenzene	5.00	4.92	98.4	75.0-125	
tert-Butylbenzene	5.00	4.82	96.4	76.0-124	
Carbon disulfide	5.00	5.94	119	61.0-128	
Carbon tetrachloride	5.00	5.66	113	68.0-126	
Chlorobenzene	5.00	5.53	111	80.0-121	
Chlorodibromomethane	5.00	5.71	114	77.0-125	
Chloroethane	5.00	7.02	140	47.0-150	
Chloroform	5.00	6.01	120	73.0-120	
Chloromethane	5.00	6.63	133	41.0-142	
2-Chlorotoluene	5.00	5.17	103	76.0-123	
4-Chlorotoluene	5.00	4.65	93.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.76	115	58.0-134	
1,2-Dibromoethane	5.00	5.45	109	80.0-122	
Dibromomethane	5.00	5.74	115	80.0-120	
1,2-Dichlorobenzene	5.00	5.70	114	79.0-121	
1,3-Dichlorobenzene	5.00	5.49	110	79.0-120	
1,4-Dichlorobenzene	5.00	5.27	105	79.0-120	
Dichlorodifluoromethane	5.00	5.29	106	51.0-149	
1,1-Dichloroethane	5.00	5.83	117	70.0-126	
1,2-Dichloroethane	5.00	5.00	100	70.0-128	
1,1-Dichloroethene	5.00	6.68	134	71.0-124	J4
cis-1,2-Dichloroethene	5.00	5.73	115	73.0-120	
trans-1,2-Dichloroethene	5.00	6.03	121	73.0-120	J4
1,2-Dichloropropane	5.00	5.44	109	77.0-125	
1,1-Dichloropropene	5.00	5.56	111	74.0-126	
1,3-Dichloropropane	5.00	5.27	105	80.0-120	
cis-1,3-Dichloropropene	5.00	5.15	103	80.0-123	
trans-1,3-Dichloropropene	5.00	4.78	95.6	78.0-124	
2,2-Dichloropropane	5.00	6.07	121	58.0-130	
Di-isopropyl ether	5.00	5.17	103	58.0-138	
Ethylbenzene	5.00	5.09	102	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.88	118	54.0-138	
Isopropylbenzene	5.00	5.45	109	76.0-127	
p-Isopropyltoluene	5.00	4.41	88.2	76.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3860844-1 11/13/22 21:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	27.0	108	44.0-160	
Methylene Chloride	5.00	5.46	109	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	26.9	108	68.0-142	
Methyl tert-butyl ether	5.00	5.65	113	68.0-125	
Naphthalene	5.00	5.17	103	54.0-135	
n-Propylbenzene	5.00	4.62	92.4	77.0-124	
Styrene	5.00	4.98	99.6	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.81	116	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.32	106	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	6.01	120	69.0-132	
Tetrachloroethene	5.00	5.54	111	72.0-132	
Toluene	5.00	5.13	103	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.76	115	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.07	101	57.0-137	
1,1,1-Trichloroethane	5.00	6.16	123	73.0-124	
1,1,2-Trichloroethane	5.00	5.32	106	80.0-120	
Trichloroethene	5.00	5.84	117	78.0-124	
Trichlorofluoromethane	5.00	6.04	121	59.0-147	
1,2,3-Trichloropropane	5.00	5.28	106	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.71	94.2	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.11	102	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.39	87.8	76.0-122	
Vinyl chloride	5.00	7.41	148	67.0-131	J4
Xylenes, Total	15.0	15.7	105	79.0-123	
(S) Toluene-d8			102	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			108	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) R3861281-2 11/14/22 10:23

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3861281-2 11/14/22 10:23

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	102			80.0-120
(S) 4-Bromofluorobenzene	97.9			77.0-126
(S) 1,2-Dichloroethane-d4	123			70.0-130

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3861281-1 11/14/22 09:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	29.8	119	19.0-160	
Acrolein	25.0	17.4	69.6	10.0-160	
Acrylonitrile	25.0	28.4	114	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R3861281-1 11/14/22 09:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	4.86	97.2	70.0-123	
Bromobenzene	5.00	4.74	94.8	73.0-121	
Bromodichloromethane	5.00	5.58	112	75.0-120	
Bromoform	5.00	5.64	113	68.0-132	
Bromomethane	5.00	3.47	69.4	10.0-160	
n-Butylbenzene	5.00	4.25	85.0	73.0-125	
sec-Butylbenzene	5.00	4.44	88.8	75.0-125	
tert-Butylbenzene	5.00	4.60	92.0	76.0-124	
Carbon disulfide	5.00	3.63	72.6	61.0-128	
Carbon tetrachloride	5.00	5.91	118	68.0-126	
Chlorobenzene	5.00	5.20	104	80.0-121	
Chlorodibromomethane	5.00	5.61	112	77.0-125	
Chloroethane	5.00	3.63	72.6	47.0-150	
Chloroform	5.00	5.43	109	73.0-120	
Chloromethane	5.00	4.54	90.8	41.0-142	
2-Chlorotoluene	5.00	4.62	92.4	76.0-123	
4-Chlorotoluene	5.00	4.50	90.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.19	104	58.0-134	
1,2-Dibromoethane	5.00	5.32	106	80.0-122	
Dibromomethane	5.00	5.60	112	80.0-120	
1,2-Dichlorobenzene	5.00	4.77	95.4	79.0-121	
1,3-Dichlorobenzene	5.00	4.80	96.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.98	99.6	79.0-120	
Dichlorodifluoromethane	5.00	4.88	97.6	51.0-149	
1,1-Dichloroethane	5.00	5.04	101	70.0-126	
1,2-Dichloroethane	5.00	6.27	125	70.0-128	
1,1-Dichloroethene	5.00	3.94	78.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.70	94.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.52	90.4	73.0-120	
1,2-Dichloropropane	5.00	5.01	100	77.0-125	
1,1-Dichloropropene	5.00	4.98	99.6	74.0-126	
1,3-Dichloropropane	5.00	5.12	102	80.0-120	
cis-1,3-Dichloropropene	5.00	5.04	101	80.0-123	
trans-1,3-Dichloropropene	5.00	5.23	105	78.0-124	
2,2-Dichloropropane	5.00	5.08	102	58.0-130	
Di-isopropyl ether	5.00	5.18	104	58.0-138	
Ethylbenzene	5.00	5.01	100	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.37	87.4	54.0-138	
Isopropylbenzene	5.00	5.13	103	76.0-127	
p-Isopropyltoluene	5.00	4.56	91.2	76.0-125	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R3861281-1 11/14/22 09:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	31.1	124	44.0-160	
Methylene Chloride	5.00	4.35	87.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	29.7	119	68.0-142	
Methyl tert-butyl ether	5.00	4.82	96.4	68.0-125	
Naphthalene	5.00	4.49	89.8	54.0-135	
n-Propylbenzene	5.00	4.43	88.6	77.0-124	
Styrene	5.00	4.82	96.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.10	102	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.42	88.4	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.92	98.4	69.0-132	
Tetrachloroethene	5.00	5.11	102	72.0-132	
Toluene	5.00	4.85	97.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.90	98.0	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.79	95.8	57.0-137	
1,1,1-Trichloroethane	5.00	5.96	119	73.0-124	
1,1,2-Trichloroethane	5.00	5.16	103	80.0-120	
Trichloroethene	5.00	5.49	110	78.0-124	
Trichlorofluoromethane	5.00	5.77	115	59.0-147	
1,2,3-Trichloropropane	5.00	5.02	100	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.45	89.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.49	89.8	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.53	90.6	76.0-122	
Vinyl chloride	5.00	3.41	68.2	67.0-131	
Xylenes, Total	15.0	15.2	101	79.0-123	
(S) Toluene-d8			100	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			124	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1554215-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1554215-06 11/14/22 15:40 • (MS) R3861281-3 11/14/22 20:25 • (MSD) R3861281-4 11/14/22 20:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	25.0	U	34.5	34.6	138	138	1	10.0-160			0.289	35
Acrolein	25.0	U	21.4	22.0	85.6	88.0	1	10.0-160			2.76	39
Acrylonitrile	25.0	1.89	27.4	26.6	102	98.8	1	21.0-160			2.96	32
Benzene	5.00	U	4.83	4.90	96.6	98.0	1	17.0-158			1.44	27
Bromobenzene	5.00	U	4.84	4.81	96.8	96.2	1	30.0-149			0.622	28
Bromodichloromethane	5.00	U	5.34	5.48	107	110	1	31.0-150			2.59	27

L1554215-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1554215-06 11/14/22 15:40 • (MS) R3861281-3 11/14/22 20:25 • (MSD) R3861281-4 11/14/22 20:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	5.00	U	5.25	5.45	105	109	1	29.0-150			3.74	29
Bromomethane	5.00	U	2.98	2.83	59.6	56.6	1	10.0-160			5.16	38
n-Butylbenzene	5.00	U	4.21	4.11	84.2	82.2	1	31.0-150			2.40	30
sec-Butylbenzene	5.00	U	4.55	4.51	91.0	90.2	1	33.0-155			0.883	29
tert-Butylbenzene	5.00	U	4.73	4.66	94.6	93.2	1	34.0-153			1.49	28
Carbon disulfide	5.00	U	2.69	2.68	53.8	53.6	1	10.0-156			0.372	28
Carbon tetrachloride	5.00	U	5.78	5.85	116	117	1	23.0-159			1.20	28
Chlorobenzene	5.00	U	5.39	5.40	108	108	1	33.0-152			0.185	27
Chlorodibromomethane	5.00	U	5.42	5.64	108	113	1	37.0-149			3.98	27
Chloroethane	5.00	U	3.39	3.47	67.8	69.4	1	10.0-160			2.33	30
Chloroform	5.00	U	5.35	5.55	107	111	1	29.0-154			3.67	28
Chloromethane	5.00	U	2.50	2.35	50.0	47.0	1	10.0-160			6.19	29
2-Chlorotoluene	5.00	U	4.75	4.67	95.0	93.4	1	32.0-153			1.70	28
4-Chlorotoluene	5.00	U	4.66	4.70	93.2	94.0	1	32.0-150			0.855	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.06	5.00	101	100	1	22.0-151			1.19	34
1,2-Dibromoethane	5.00	U	5.25	5.14	105	103	1	34.0-147			2.12	27
Dibromomethane	5.00	U	5.20	5.30	104	106	1	30.0-151			1.90	27
1,2-Dichlorobenzene	5.00	U	4.70	4.66	94.0	93.2	1	34.0-149			0.855	28
1,3-Dichlorobenzene	5.00	U	4.68	4.76	93.6	95.2	1	36.0-146			1.69	27
1,4-Dichlorobenzene	5.00	U	4.81	4.82	96.2	96.4	1	35.0-142			0.208	27
Dichlorodifluoromethane	5.00	U	3.86	4.06	77.2	81.2	1	10.0-160			5.05	29
1,1-Dichloroethane	5.00	U	5.02	5.26	100	105	1	25.0-158			4.67	27
1,2-Dichloroethane	5.00	0.638	5.56	5.79	98.4	103	1	29.0-151			4.05	27
1,1-Dichloroethene	5.00	U	4.20	4.07	84.0	81.4	1	11.0-160			3.14	29
cis-1,2-Dichloroethene	5.00	U	4.74	4.73	94.8	94.6	1	10.0-160			0.211	27
trans-1,2-Dichloroethene	5.00	U	4.19	4.10	83.8	82.0	1	17.0-153			2.17	27
1,2-Dichloropropane	5.00	U	5.09	5.21	102	104	1	30.0-156			2.33	27
1,1-Dichloropropene	5.00	U	5.06	4.85	101	97.0	1	25.0-158			4.24	27
1,3-Dichloropropane	5.00	U	5.33	5.23	107	105	1	38.0-147			1.89	27
cis-1,3-Dichloropropene	5.00	U	4.79	4.97	95.8	99.4	1	34.0-149			3.69	28
trans-1,3-Dichloropropene	5.00	U	5.16	5.18	103	104	1	32.0-149			0.387	28
2,2-Dichloropropane	5.00	U	5.34	5.37	107	107	1	24.0-152			0.560	29
Di-isopropyl ether	5.00	U	5.03	5.07	101	101	1	21.0-160			0.792	28
Ethylbenzene	5.00	U	5.15	5.27	103	105	1	30.0-155			2.30	27
Hexachloro-1,3-butadiene	5.00	U	3.62	3.70	72.4	74.0	1	20.0-154			2.19	34
Isopropylbenzene	5.00	U	5.15	5.25	103	105	1	28.0-157			1.92	27
p-Isopropyltoluene	5.00	U	4.55	4.53	91.0	90.6	1	30.0-154			0.441	29
2-Butanone (MEK)	25.0	1.93	31.5	31.4	118	118	1	10.0-160			0.318	32
Methylene Chloride	5.00	U	4.23	4.14	84.6	82.8	1	23.0-144			2.15	28
4-Methyl-2-pentanone (MIBK)	25.0	2.18	32.2	31.5	120	117	1	29.0-160			2.20	29

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1554215-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1554215-06 11/14/22 15:40 • (MS) R3861281-3 11/14/22 20:25 • (MSD) R3861281-4 11/14/22 20:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	5.00	U	4.70	4.71	94.0	94.2	1	28.0-150			0.213	29
Naphthalene	5.00	U	4.51	4.23	90.2	84.6	1	12.0-156			6.41	35
n-Propylbenzene	5.00	U	4.66	4.63	93.2	92.6	1	31.0-154			0.646	28
Styrene	5.00	U	4.85	4.77	97.0	95.4	1	33.0-155			1.66	28
1,1,1,2-Tetrachloroethane	5.00	U	5.28	5.31	106	106	1	36.0-151			0.567	29
1,1,2,2-Tetrachloroethane	5.00	U	4.88	4.77	97.6	95.4	1	33.0-150			2.28	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.98	4.89	99.6	97.8	1	23.0-160			1.82	30
Tetrachloroethene	5.00	U	5.19	5.11	104	102	1	10.0-160			1.55	27
Toluene	5.00	U	5.01	4.96	100	99.2	1	26.0-154			1.00	28
1,2,3-Trichlorobenzene	5.00	U	4.36	4.31	87.2	86.2	1	17.0-150			1.15	36
1,2,4-Trichlorobenzene	5.00	U	4.22	3.99	84.4	79.8	1	24.0-150			5.60	33
1,1,1-Trichloroethane	5.00	U	5.53	5.71	111	114	1	23.0-160			3.20	28
1,1,2-Trichloroethane	5.00	U	5.22	5.09	104	102	1	35.0-147			2.52	27
Trichloroethene	5.00	U	5.23	5.07	105	101	1	10.0-160			3.11	25
Trichlorofluoromethane	5.00	U	5.14	5.28	103	106	1	17.0-160			2.69	31
1,2,3-Trichloropropane	5.00	U	5.13	5.26	103	105	1	34.0-151			2.50	29
1,2,4-Trimethylbenzene	5.00	U	4.62	4.43	92.4	88.6	1	26.0-154			4.20	27
1,2,3-Trimethylbenzene	5.00	U	4.61	4.52	92.2	90.4	1	32.0-149			1.97	28
1,3,5-Trimethylbenzene	5.00	U	4.61	4.62	92.2	92.4	1	28.0-153			0.217	27
Vinyl chloride	5.00	U	3.43	3.28	68.6	65.6	1	10.0-160			4.47	27
Xylenes, Total	15.0	U	15.2	15.1	101	101	1	29.0-154			0.660	28
(S) Toluene-d8					103	101		80.0-120				
(S) 4-Bromofluorobenzene					102	99.6		77.0-126				
(S) 1,2-Dichloroethane-d4					114	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) R3862910-2 11/15/22 01:44

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3862910-2 11/15/22 01:44

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	104			80.0-120
(S) 4-Bromofluorobenzene	99.0			77.0-126
(S) 1,2-Dichloroethane-d4	101			70.0-130

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3862910-1 11/15/22 01:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	23.4	93.6	19.0-160	
Acrolein	25.0	24.4	97.6	10.0-160	
Acrylonitrile	25.0	23.8	95.2	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R3862910-1 11/15/22 01:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	4.96	99.2	70.0-123	
Bromobenzene	5.00	5.03	101	73.0-121	
Bromodichloromethane	5.00	4.33	86.6	75.0-120	
Bromoform	5.00	4.47	89.4	68.0-132	
Bromomethane	5.00	6.05	121	10.0-160	
n-Butylbenzene	5.00	4.84	96.8	73.0-125	
sec-Butylbenzene	5.00	4.96	99.2	75.0-125	
tert-Butylbenzene	5.00	5.03	101	76.0-124	
Carbon disulfide	5.00	4.41	88.2	61.0-128	
Carbon tetrachloride	5.00	5.03	101	68.0-126	
Chlorobenzene	5.00	4.79	95.8	80.0-121	
Chlorodibromomethane	5.00	4.72	94.4	77.0-125	
Chloroethane	5.00	4.91	98.2	47.0-150	
Chloroform	5.00	4.48	89.6	73.0-120	
Chloromethane	5.00	5.31	106	41.0-142	
2-Chlorotoluene	5.00	5.10	102	76.0-123	
4-Chlorotoluene	5.00	4.86	97.2	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.72	94.4	58.0-134	
1,2-Dibromoethane	5.00	4.80	96.0	80.0-122	
Dibromomethane	5.00	4.70	94.0	80.0-120	
1,2-Dichlorobenzene	5.00	4.98	99.6	79.0-121	
1,3-Dichlorobenzene	5.00	5.10	102	79.0-120	
1,4-Dichlorobenzene	5.00	5.08	102	79.0-120	
Dichlorodifluoromethane	5.00	5.64	113	51.0-149	
1,1-Dichloroethane	5.00	4.80	96.0	70.0-126	
1,2-Dichloroethane	5.00	4.64	92.8	70.0-128	
1,1-Dichloroethene	5.00	4.83	96.6	71.0-124	
cis-1,2-Dichloroethene	5.00	4.61	92.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.68	93.6	73.0-120	
1,2-Dichloropropane	5.00	5.03	101	77.0-125	
1,1-Dichloropropene	5.00	4.87	97.4	74.0-126	
1,3-Dichloropropane	5.00	5.02	100	80.0-120	
cis-1,3-Dichloropropene	5.00	4.50	90.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.95	99.0	78.0-124	
2,2-Dichloropropane	5.00	4.61	92.2	58.0-130	
Di-isopropyl ether	5.00	5.03	101	58.0-138	
Ethylbenzene	5.00	5.10	102	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.78	95.6	54.0-138	
Isopropylbenzene	5.00	4.87	97.4	76.0-127	
p-Isopropyltoluene	5.00	4.92	98.4	76.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3862910-1 11/15/22 01:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	23.9	95.6	44.0-160	
Methylene Chloride	5.00	4.87	97.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.2	101	68.0-142	
Methyl tert-butyl ether	5.00	4.83	96.6	68.0-125	
Naphthalene	5.00	4.56	91.2	54.0-135	
n-Propylbenzene	5.00	4.81	96.2	77.0-124	
Styrene	5.00	4.90	98.0	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.50	90.0	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.18	104	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.07	101	69.0-132	
Tetrachloroethene	5.00	5.22	104	72.0-132	
Toluene	5.00	4.95	99.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.69	93.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.76	95.2	57.0-137	
1,1,1-Trichloroethane	5.00	4.75	95.0	73.0-124	
1,1,2-Trichloroethane	5.00	5.23	105	80.0-120	
Trichloroethene	5.00	4.63	92.6	78.0-124	
Trichlorofluoromethane	5.00	4.89	97.8	59.0-147	
1,2,3-Trichloropropane	5.00	4.94	98.8	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.09	102	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.97	99.4	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.01	100	76.0-122	
Vinyl chloride	5.00	5.33	107	67.0-131	
Xylenes, Total	15.0	14.8	98.7	79.0-123	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			98.1	70.0-130	

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3861065-3 11/14/22 10:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,4-Dioxane	U		0.0447	0.400
<i>(S) Nitrobenzene-d5</i>	64.4			10.0-120

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

(LCS) R3861065-1 11/14/22 09:53 • (LCSD) R3861065-2 11/14/22 10:12

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	%	%	%			%	%
1,4-Dioxane	50.0	72.4	72.3	145	145	73.0-146			0.138	20
<i>(S) Nitrobenzene-d5</i>				66.2	68.0	10.0-120				

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.

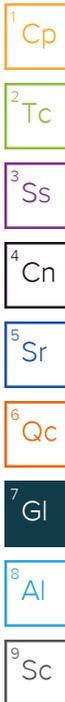
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
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.



# 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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 <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

062

Agency, Authorized Purchaser or Agent: Oregon State Department of Environmental Quality		Contract Laboratory Name: Pace Analytical		Lab Selection Criteria:		Turn Around Time:	
Send Lab Report To: Sarah Kingery Address: 165 East 7 <sup>th</sup> Street Eugene, Oregon 97401 Tel. #: (541) 321-3687 E-mail: sarah.kingery@deq.oregon.gov		Lab Batch #:		<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		<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	
Invoice To: DEQEXP@deq.oregon.gov Address:		Tel. #:					

Project Name: Montezuma West Project #: 663399		Sample Preservative						
Sampler Name: Sarah Kingery		Requested Analyses						

Sample ID#	Collection Date/Time	Matrix	Number of Containers	8270 SIM	VOCs							Comments
DW-18	11-7-22/11:40	W	2	X								-01
DW-19	11-07-22/12:00	W	2	X								-02
DW-20	11-7-22/12:10	W	2	X								-03
DW-21	11-7-22/12:35	W	2	X								-04
CTO-117	11-7-22/13:05	W	5	X	X							-05
CTK-117	11-7-22/13:05	W	5	X	X							-06
DW25-K	11-7-22/13:35	W	5	X	X							-07
DW-25-O	11-7-22/13:35	W	5	X	X							-08
<del>DW-11</del> MW-11	11-7-22/14:10	W	2	X								-09
<del>DW-17</del> MW-17	11-7-22/14:40	W	2	X								-10
<del>DW-14</del> MW-14	11-7-22/15:00	W	2	X								-11
DW-27	11-7-22/15:39	W	2	X								-12

numac 250 = 2.5

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

RAD Screen <0.5 mR/hr:  Y  N

6053 3814 9953

Notes:  
\* Could not get full sample.

Relinquished By: Sarah Kingery	Agency/Agent: DEQ	Received By: Devin Delmon	Agency/Agent:
Signature: <i>Sarah Kingery</i>	Time & Date: 9:00 11-9-2022	Signature: <i>[Signature]</i>	Time & Date: 0915 11-10-22
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.

State of Oregon Chain of Custody

2022

Agency, Authorized Purchaser or Agent: Oregon State Department of Environmental Quality	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 East 7 <sup>th</sup> Street Eugene, Oregon 97401 Tel. #: (541) 321-3687 E-mail: sarah.kingery@deq.oregon.gov	Lab Batch #: Invoice To: DEQEXP@deq.oregon.gov Address: Tel. #:		

Project Name: Montezuma West Project #: 663399	Sample Preservative
Sampler Name: Sarah Kingery	Requested Analyses

Sample ID#	Collection Date/Time	Matrix	Number of Containers	8270 SIM											Comments
Trip	N/A	W	1		X										L155L0521 -13
		W													
		W													
		W													
		W													
		W													
		W													
		W													
		W													
		W													
		W													
		W													

Notes:

Relinquished By: Sarah Kingery	Agency/Agent: DEQ	Received By: <i>[Signature]</i>	Agency/Agent:
Signature: <i>[Signature]</i>	Time & Date: 9:00 11-9-2022	Signature: <i>[Signature]</i>	Time & Date: 0915 11-10-22
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.