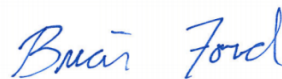


Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1779674
Samples Received: 09/19/2024
Project Number: 663399
Description: ODEQ - Montezuma West

Report To: Sarah Kingery
165 E 7th Ave.
Ste. 100
Eugene, OR 97401

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

DW-25 (F) L1779674-01 GW

				Collected by RL/TE	Collected date/time 09/17/24 11:25	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 17:09	09/23/24 17:09	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2370702	1	09/27/24 01:30	09/27/24 01:30	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 01:04	DSH	Mt. Juliet, TN

DW-25 L1779674-02 GW

				Collected by RL/TE	Collected date/time 09/17/24 11:35	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 17:29	09/23/24 17:29	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2370702	1	09/27/24 01:52	09/27/24 01:52	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 01:23	DSH	Mt. Juliet, TN

DUPLICATE L1779674-03 GW

				Collected by RL/TE	Collected date/time 09/17/24 00:00	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 17:48	09/23/24 17:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2370702	1	09/27/24 02:14	09/27/24 02:14	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 01:42	DSH	Mt. Juliet, TN

MW-17 L1779674-04 GW

				Collected by RL/TE	Collected date/time 09/17/24 12:40	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 02:01	DSH	Mt. Juliet, TN

MW-11 L1779674-05 GW

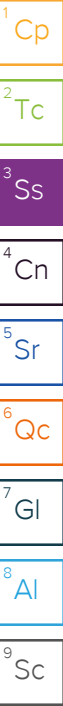
				Collected by RL/TE	Collected date/time 09/17/24 13:05	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 02:20	DSH	Mt. Juliet, TN

MW-14 L1779674-06 GW

				Collected by RL/TE	Collected date/time 09/17/24 13:37	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 02:40	DSH	Mt. Juliet, TN

WELL A L1779674-07 GW

				Collected by RL/TE	Collected date/time 09/17/24 14:05	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 18:08	09/23/24 18:08	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2370702	1	09/27/24 02:36	09/27/24 02:36	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 02:59	DSH	Mt. Juliet, TN



SAMPLE SUMMARY

WELL A (F) L1779674-08 GW

				Collected by RL/TE	Collected date/time 09/17/24 14:07	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 18:28	09/23/24 18:28	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2370702	1	09/27/24 02:58	09/27/24 02:58	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 03:18	DSH	Mt. Juliet, TN

DW-27 L1779674-09 GW

				Collected by RL/TE	Collected date/time 09/17/24 14:30	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 03:37	DSH	Mt. Juliet, TN

DW-21 L1779674-10 GW

				Collected by RL/TE	Collected date/time 09/17/24 14:45	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 03:56	DSH	Mt. Juliet, TN

DW-19 L1779674-11 GW

				Collected by RL/TE	Collected date/time 09/17/24 15:08	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 04:15	DSH	Mt. Juliet, TN

DW-20 L1779674-12 GW

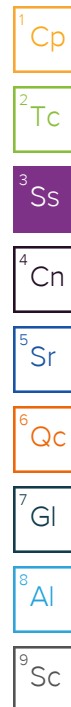
				Collected by RL/TE	Collected date/time 09/17/24 15:15	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 04:34	DSH	Mt. Juliet, TN

DW-18 L1779674-13 GW

				Collected by RL/TE	Collected date/time 09/17/24 15:35	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2368257	1	09/24/24 08:41	09/25/24 04:54	DSH	Mt. Juliet, TN

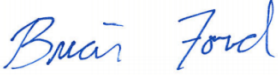
TRIP BLANK L1779674-14 GW

				Collected by RL/TE	Collected date/time 09/17/24 00:00	Received date/time 09/19/24 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2367908	1	09/23/24 13:11	09/23/24 13:11	JAH	Mt. Juliet, TN

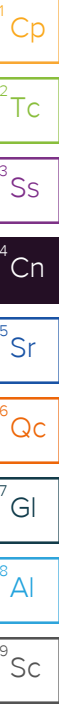


CASE NARRATIVE

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



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 17:09	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 17:09	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 17:09	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 17:09	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 17:09	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 17:09	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 17:09	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 17:09	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 17:09	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 17:09	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 17:09	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/27/2024 01:30	WG2370702
Carbon tetrachloride	U		0.128	1.00	1	09/27/2024 01:30	WG2370702
Chlorobenzene	U		0.116	1.00	1	09/23/2024 17:09	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 17:09	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 17:09	WG2367908
Chloroform	U		0.111	5.00	1	09/27/2024 01:30	WG2370702
Chloromethane	U		0.960	2.50	1	09/23/2024 17:09	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 17:09	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 17:09	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 17:09	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 17:09	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 17:09	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 17:09	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 17:09	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 17:09	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 17:09	WG2367908
1,1-Dichloroethane	1.58		0.100	1.00	1	09/23/2024 17:09	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 17:09	WG2367908
1,1-Dichloroethene	3.75		0.188	1.00	1	09/23/2024 17:09	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 17:09	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 17:09	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 17:09	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 17:09	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 17:09	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 17:09	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 17:09	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 17:09	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 17:09	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 17:09	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 17:09	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 17:09	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 17:09	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 17:09	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 17:09	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 17:09	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 17:09	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 17:09	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 17:09	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 17:09	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 17:09	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 17:09	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 17:09	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 17:09	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 17:09	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 17:09	WG2367908

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/23/2024 17:09	WG2367908
1,1,1-Trichloroethane	1.15		0.149	1.00	1	09/23/2024 17:09	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 17:09	WG2367908
Trichloroethene	0.241	B J	0.190	1.00	1	09/23/2024 17:09	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 17:09	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 17:09	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 17:09	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:09	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:09	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 17:09	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 17:09	WG2367908
(S) Toluene-d8	102			80.0-120		09/23/2024 17:09	WG2367908
(S) Toluene-d8	99.9			80.0-120		09/27/2024 01:30	WG2370702
(S) 4-Bromofluorobenzene	83.6			77.0-126		09/23/2024 17:09	WG2367908
(S) 4-Bromofluorobenzene	103			77.0-126		09/27/2024 01:30	WG2370702
(S) 1,2-Dichloroethane-d4	84.8			70.0-130		09/23/2024 17:09	WG2367908
(S) 1,2-Dichloroethane-d4	99.0			70.0-130		09/27/2024 01:30	WG2370702

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	3.44		0.300	0.400	1	09/25/2024 01:04	WG2368257
(S) Nitrobenzene-d5	74.6			10.0-120		09/25/2024 01:04	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 17:29	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 17:29	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 17:29	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 17:29	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 17:29	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 17:29	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 17:29	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 17:29	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 17:29	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 17:29	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 17:29	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/27/2024 01:52	WG2370702
Carbon tetrachloride	U		0.128	1.00	1	09/27/2024 01:52	WG2370702
Chlorobenzene	U		0.116	1.00	1	09/23/2024 17:29	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 17:29	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 17:29	WG2367908
Chloroform	U		0.111	5.00	1	09/27/2024 01:52	WG2370702
Chloromethane	U		0.960	2.50	1	09/23/2024 17:29	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 17:29	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 17:29	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 17:29	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 17:29	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 17:29	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 17:29	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 17:29	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 17:29	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 17:29	WG2367908
1,1-Dichloroethane	1.49		0.100	1.00	1	09/23/2024 17:29	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 17:29	WG2367908
1,1-Dichloroethene	2.42		0.188	1.00	1	09/23/2024 17:29	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 17:29	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 17:29	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 17:29	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 17:29	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 17:29	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 17:29	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 17:29	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 17:29	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 17:29	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 17:29	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 17:29	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 17:29	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 17:29	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 17:29	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 17:29	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 17:29	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 17:29	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 17:29	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 17:29	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 17:29	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 17:29	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 17:29	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 17:29	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 17:29	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 17:29	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 17:29	WG2367908



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	09/23/2024 17:29	WG2367908
1,1,1-Trichloroethane	0.972	J	0.149	1.00	1	09/23/2024 17:29	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 17:29	WG2367908
Trichloroethene	U		0.190	1.00	1	09/23/2024 17:29	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 17:29	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 17:29	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 17:29	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:29	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:29	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 17:29	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 17:29	WG2367908
(S) Toluene-d8	99.4			80.0-120		09/23/2024 17:29	WG2367908
(S) Toluene-d8	100			80.0-120		09/27/2024 01:52	WG2370702
(S) 4-Bromofluorobenzene	91.8			77.0-126		09/23/2024 17:29	WG2367908
(S) 4-Bromofluorobenzene	100			77.0-126		09/27/2024 01:52	WG2370702
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		09/23/2024 17:29	WG2367908
(S) 1,2-Dichloroethane-d4	105			70.0-130		09/27/2024 01:52	WG2370702

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	3.43		0.300	0.400	1	09/25/2024 01:23	WG2368257
(S) Nitrobenzene-d5	70.8			10.0-120		09/25/2024 01:23	WG2368257

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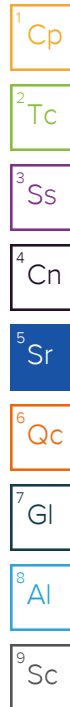
Collected date/time: 09/17/24 00:00

SAMPLE RESULTS - 03

L1779674

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 17:48	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 17:48	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 17:48	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 17:48	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 17:48	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 17:48	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 17:48	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 17:48	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 17:48	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 17:48	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 17:48	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/27/2024 02:14	WG2370702
Carbon tetrachloride	U		0.128	1.00	1	09/27/2024 02:14	WG2370702
Chlorobenzene	U		0.116	1.00	1	09/23/2024 17:48	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 17:48	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 17:48	WG2367908
Chloroform	U		0.111	5.00	1	09/27/2024 02:14	WG2370702
Chloromethane	U		0.960	2.50	1	09/23/2024 17:48	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 17:48	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 17:48	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 17:48	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 17:48	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 17:48	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 17:48	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 17:48	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 17:48	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 17:48	WG2367908
1,1-Dichloroethane	1.38		0.100	1.00	1	09/23/2024 17:48	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 17:48	WG2367908
1,1-Dichloroethene	3.37		0.188	1.00	1	09/23/2024 17:48	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 17:48	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 17:48	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 17:48	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 17:48	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 17:48	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 17:48	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 17:48	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 17:48	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 17:48	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 17:48	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 17:48	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 17:48	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 17:48	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 17:48	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 17:48	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 17:48	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 17:48	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 17:48	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 17:48	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 17:48	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 17:48	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 17:48	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 17:48	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 17:48	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 17:48	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 17:48	WG2367908



ACCOUNT:

Oregon Dept. of Env. Quality - ODEQ

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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	09/23/2024 17:48	WG2367908
1,1,1-Trichloroethane	1.07		0.149	1.00	1	09/23/2024 17:48	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 17:48	WG2367908
Trichloroethene	U		0.190	1.00	1	09/23/2024 17:48	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 17:48	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 17:48	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 17:48	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:48	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 17:48	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 17:48	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 17:48	WG2367908
(S) Toluene-d8	99.2			80.0-120		09/23/2024 17:48	WG2367908
(S) Toluene-d8	98.8			80.0-120		09/27/2024 02:14	WG2370702
(S) 4-Bromofluorobenzene	88.7			77.0-126		09/23/2024 17:48	WG2367908
(S) 4-Bromofluorobenzene	98.3			77.0-126		09/27/2024 02:14	WG2370702
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		09/23/2024 17:48	WG2367908
(S) 1,2-Dichloroethane-d4	103			70.0-130		09/27/2024 02:14	WG2370702

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	3.56		0.300	0.400	1	09/25/2024 01:42	WG2368257
(S) Nitrobenzene-d5	75.4			10.0-120		09/25/2024 01:42	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	3.18		0.300	0.400	1	09/25/2024 02:01	WG2368257
(S) Nitrobenzene-d5	48.5			10.0-120		09/25/2024 02:01	WG2368257

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-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	2.68		0.300	0.400	1	09/25/2024 02:20	WG2368257
(S) Nitrobenzene-d5	73.3			10.0-120		09/25/2024 02:20	WG2368257

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.755		0.300	0.400	1	09/25/2024 02:40	WG2368257
(S) Nitrobenzene-d5	71.1			10.0-120		09/25/2024 02:40	WG2368257

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

WELL A

Collected date/time: 09/17/24 14:05

SAMPLE RESULTS - 07

L1779674

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 18:08	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 18:08	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 18:08	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 18:08	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 18:08	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 18:08	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 18:08	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 18:08	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 18:08	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 18:08	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 18:08	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/27/2024 02:36	WG2370702
Carbon tetrachloride	U		0.128	1.00	1	09/27/2024 02:36	WG2370702
Chlorobenzene	U		0.116	1.00	1	09/23/2024 18:08	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 18:08	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 18:08	WG2367908
Chloroform	U		0.111	5.00	1	09/27/2024 02:36	WG2370702
Chloromethane	U		0.960	2.50	1	09/23/2024 18:08	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 18:08	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 18:08	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 18:08	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 18:08	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 18:08	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 18:08	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 18:08	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 18:08	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 18:08	WG2367908
1,1-Dichloroethane	1.23		0.100	1.00	1	09/23/2024 18:08	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 18:08	WG2367908
1,1-Dichloroethene	3.22		0.188	1.00	1	09/23/2024 18:08	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 18:08	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 18:08	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 18:08	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 18:08	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 18:08	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 18:08	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 18:08	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 18:08	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 18:08	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 18:08	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 18:08	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 18:08	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 18:08	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 18:08	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 18:08	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 18:08	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 18:08	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 18:08	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 18:08	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 18:08	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 18:08	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 18:08	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 18:08	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 18:08	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 18:08	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 18:08	WG2367908

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Oregon Dept. of Env. Quality - ODEQ

PROJECT:

663399

SDG:

L1779674

DATE/TIME:

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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	09/23/2024 18:08	WG2367908
1,1,1-Trichloroethane	1.18		0.149	1.00	1	09/23/2024 18:08	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 18:08	WG2367908
Trichloroethene	U		0.190	1.00	1	09/23/2024 18:08	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 18:08	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 18:08	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 18:08	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 18:08	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 18:08	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 18:08	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 18:08	WG2367908
(S) Toluene-d8	101			80.0-120		09/23/2024 18:08	WG2367908
(S) Toluene-d8	97.9			80.0-120		09/27/2024 02:36	WG2370702
(S) 4-Bromofluorobenzene	85.8			77.0-126		09/23/2024 18:08	WG2367908
(S) 4-Bromofluorobenzene	94.6			77.0-126		09/27/2024 02:36	WG2370702
(S) 1,2-Dichloroethane-d4	88.8			70.0-130		09/23/2024 18:08	WG2367908
(S) 1,2-Dichloroethane-d4	103			70.0-130		09/27/2024 02:36	WG2370702

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	4.54		0.300	0.400	1	09/25/2024 02:59	WG2368257
(S) Nitrobenzene-d5	80.7			10.0-120		09/25/2024 02:59	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

WELL A (F)

Collected date/time: 09/17/24 14:07

SAMPLE RESULTS - 08

L1779674

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 18:28	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 18:28	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 18:28	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 18:28	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 18:28	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 18:28	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 18:28	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 18:28	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 18:28	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 18:28	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 18:28	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/27/2024 02:58	WG2370702
Carbon tetrachloride	U		0.128	1.00	1	09/27/2024 02:58	WG2370702
Chlorobenzene	U		0.116	1.00	1	09/23/2024 18:28	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 18:28	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 18:28	WG2367908
Chloroform	U		0.111	5.00	1	09/27/2024 02:58	WG2370702
Chloromethane	U		0.960	2.50	1	09/23/2024 18:28	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 18:28	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 18:28	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 18:28	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 18:28	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 18:28	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 18:28	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 18:28	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 18:28	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 18:28	WG2367908
1,1-Dichloroethane	0.112	U	0.100	1.00	1	09/23/2024 18:28	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 18:28	WG2367908
1,1-Dichloroethene	U		0.188	1.00	1	09/23/2024 18:28	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 18:28	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 18:28	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 18:28	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 18:28	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 18:28	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 18:28	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 18:28	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 18:28	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 18:28	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 18:28	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 18:28	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 18:28	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 18:28	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 18:28	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 18:28	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 18:28	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 18:28	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 18:28	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 18:28	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 18:28	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 18:28	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 18:28	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 18:28	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 18:28	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 18:28	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 18:28	WG2367908

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Oregon Dept. of Env. Quality - ODEQ

PROJECT:

663399

SDG:

L1779674

DATE/TIME:

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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	09/23/2024 18:28	WG2367908
1,1,1-Trichloroethane	U		0.149	1.00	1	09/23/2024 18:28	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 18:28	WG2367908
Trichloroethene	U		0.190	1.00	1	09/23/2024 18:28	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 18:28	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 18:28	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 18:28	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 18:28	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 18:28	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 18:28	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 18:28	WG2367908
(S) Toluene-d8	99.7			80.0-120		09/23/2024 18:28	WG2367908
(S) Toluene-d8	102			80.0-120		09/27/2024 02:58	WG2370702
(S) 4-Bromofluorobenzene	85.4			77.0-126		09/23/2024 18:28	WG2367908
(S) 4-Bromofluorobenzene	98.5			77.0-126		09/27/2024 02:58	WG2370702
(S) 1,2-Dichloroethane-d4	85.7			70.0-130		09/23/2024 18:28	WG2367908
(S) 1,2-Dichloroethane-d4	104			70.0-130		09/27/2024 02:58	WG2370702

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.01		0.300	0.400	1	09/25/2024 03:18	WG2368257
(S) Nitrobenzene-d5	76.0			10.0-120		09/25/2024 03:18	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.678		0.300	0.400	1	09/25/2024 03:37	WG2368257
(S) Nitrobenzene-d5	76.3			10.0-120		09/25/2024 03:37	WG2368257

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.91		0.300	0.400	1	09/25/2024 03:56	WG2368257
(S) Nitrobenzene-d5	80.3			10.0-120		09/25/2024 03:56	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	0.512		0.300	0.400	1	09/25/2024 04:15	WG2368257
(S) Nitrobenzene-d5	80.5			10.0-120		09/25/2024 04:15	WG2368257

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	0.334	J	0.300	0.400	1	09/25/2024 04:34	WG2368257
(S) Nitrobenzene-d5	74.2			10.0-120		09/25/2024 04:34	WG2368257

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.563		0.300	0.400	1	09/25/2024 04:54	WG2368257
(S) Nitrobenzene-d5	86.6			10.0-120		09/25/2024 04:54	WG2368257

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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Collected date/time: 09/17/24 00:00

SAMPLE RESULTS - 14

L1779674

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	09/23/2024 13:11	WG2367908
Acrolein	U	C3	2.54	50.0	1	09/23/2024 13:11	WG2367908
Acrylonitrile	U	C3	0.671	10.0	1	09/23/2024 13:11	WG2367908
Benzene	U		0.0941	1.00	1	09/23/2024 13:11	WG2367908
Bromobenzene	U		0.118	1.00	1	09/23/2024 13:11	WG2367908
Bromodichloromethane	U		0.136	1.00	1	09/23/2024 13:11	WG2367908
Bromoform	U		0.129	1.00	1	09/23/2024 13:11	WG2367908
Bromomethane	U	C3	0.605	5.00	1	09/23/2024 13:11	WG2367908
n-Butylbenzene	U		0.157	1.00	1	09/23/2024 13:11	WG2367908
sec-Butylbenzene	U		0.125	1.00	1	09/23/2024 13:11	WG2367908
tert-Butylbenzene	U		0.127	1.00	1	09/23/2024 13:11	WG2367908
Carbon disulfide	U		0.0962	1.00	1	09/23/2024 13:11	WG2367908
Carbon tetrachloride	U		0.128	1.00	1	09/23/2024 13:11	WG2367908
Chlorobenzene	U		0.116	1.00	1	09/23/2024 13:11	WG2367908
Chlorodibromomethane	U		0.140	1.00	1	09/23/2024 13:11	WG2367908
Chloroethane	U		0.192	5.00	1	09/23/2024 13:11	WG2367908
Chloroform	U		0.111	5.00	1	09/23/2024 13:11	WG2367908
Chloromethane	U		0.960	2.50	1	09/23/2024 13:11	WG2367908
2-Chlorotoluene	U		0.106	1.00	1	09/23/2024 13:11	WG2367908
4-Chlorotoluene	U		0.114	1.00	1	09/23/2024 13:11	WG2367908
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	09/23/2024 13:11	WG2367908
1,2-Dibromoethane	U		0.126	1.00	1	09/23/2024 13:11	WG2367908
Dibromomethane	U		0.122	1.00	1	09/23/2024 13:11	WG2367908
1,2-Dichlorobenzene	U		0.107	1.00	1	09/23/2024 13:11	WG2367908
1,3-Dichlorobenzene	U		0.110	1.00	1	09/23/2024 13:11	WG2367908
1,4-Dichlorobenzene	U		0.120	1.00	1	09/23/2024 13:11	WG2367908
Dichlorodifluoromethane	U	C3	0.374	5.00	1	09/23/2024 13:11	WG2367908
1,1-Dichloroethane	U		0.100	1.00	1	09/23/2024 13:11	WG2367908
1,2-Dichloroethane	U		0.0819	1.00	1	09/23/2024 13:11	WG2367908
1,1-Dichloroethene	U		0.188	1.00	1	09/23/2024 13:11	WG2367908
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/23/2024 13:11	WG2367908
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/23/2024 13:11	WG2367908
1,2-Dichloropropane	U		0.149	1.00	1	09/23/2024 13:11	WG2367908
1,1-Dichloropropene	U		0.142	1.00	1	09/23/2024 13:11	WG2367908
1,3-Dichloropropane	U		0.110	1.00	1	09/23/2024 13:11	WG2367908
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/23/2024 13:11	WG2367908
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/23/2024 13:11	WG2367908
2,2-Dichloropropane	U	C3	0.161	1.00	1	09/23/2024 13:11	WG2367908
Di-isopropyl ether	U		0.105	1.00	1	09/23/2024 13:11	WG2367908
Ethylbenzene	U		0.137	1.00	1	09/23/2024 13:11	WG2367908
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/23/2024 13:11	WG2367908
Isopropylbenzene	U		0.105	1.00	1	09/23/2024 13:11	WG2367908
p-Isopropyltoluene	U		0.120	1.00	1	09/23/2024 13:11	WG2367908
2-Butanone (MEK)	U	C3	1.19	10.0	1	09/23/2024 13:11	WG2367908
Methylene Chloride	U		0.430	5.00	1	09/23/2024 13:11	WG2367908
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/23/2024 13:11	WG2367908
Methyl tert-butyl ether	U	C3	0.101	1.00	1	09/23/2024 13:11	WG2367908
Naphthalene	U	C3	1.00	5.00	1	09/23/2024 13:11	WG2367908
n-Propylbenzene	U		0.0993	1.00	1	09/23/2024 13:11	WG2367908
Styrene	U		0.118	1.00	1	09/23/2024 13:11	WG2367908
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	09/23/2024 13:11	WG2367908
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	09/23/2024 13:11	WG2367908
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/23/2024 13:11	WG2367908
Tetrachloroethene	U		0.300	1.00	1	09/23/2024 13:11	WG2367908
Toluene	U		0.278	1.00	1	09/23/2024 13:11	WG2367908
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/23/2024 13:11	WG2367908

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ACCOUNT:

Oregon Dept. of Env. Quality - ODEQ

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663399

SDG:

L1779674

DATE/TIME:

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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	09/23/2024 13:11	WG2367908
1,1,1-Trichloroethane	U		0.149	1.00	1	09/23/2024 13:11	WG2367908
1,1,2-Trichloroethane	U		0.158	1.00	1	09/23/2024 13:11	WG2367908
Trichloroethene	0.230	B J	0.190	1.00	1	09/23/2024 13:11	WG2367908
Trichlorofluoromethane	U		0.160	5.00	1	09/23/2024 13:11	WG2367908
1,2,3-Trichloropropane	U		0.237	2.50	1	09/23/2024 13:11	WG2367908
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/23/2024 13:11	WG2367908
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 13:11	WG2367908
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/23/2024 13:11	WG2367908
Vinyl chloride	U		0.234	1.00	1	09/23/2024 13:11	WG2367908
Xylenes, Total	U		0.174	3.00	1	09/23/2024 13:11	WG2367908
(S) Toluene-d8	99.1			80.0-120		09/23/2024 13:11	WG2367908
(S) 4-Bromofluorobenzene	86.1			77.0-126		09/23/2024 13:11	WG2367908
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		09/23/2024 13:11	WG2367908

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4124840-2 09/23/24 11:13

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) R4124840-2 09/23/24 11:13

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	0.275	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	99.8			80.0-120
(S) 4-Bromofluorobenzene	90.1			77.0-126
(S) 1,2-Dichloroethane-d4	85.6			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4124840-1 09/23/24 09:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	19.7	78.8	19.0-160	U
Acrolein	25.0	9.94	39.8	10.0-160	U
Acrylonitrile	25.0	16.7	66.8	55.0-149	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Laboratory Control Sample (LCS)

(LCS) R4124840-1 09/23/24 09:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.36	87.2	70.0-123	
Bromobenzene	5.00	5.18	104	73.0-121	
Bromodichloromethane	5.00	4.73	94.6	75.0-120	
Bromoform	5.00	4.58	91.6	68.0-132	
Bromomethane	5.00	3.79	75.8	10.0-160	LC
n-Butylbenzene	5.00	4.80	96.0	73.0-125	
sec-Butylbenzene	5.00	5.19	104	75.0-125	
tert-Butylbenzene	5.00	5.30	106	76.0-124	
Carbon disulfide	5.00	3.80	76.0	61.0-128	
Carbon tetrachloride	5.00	4.89	97.8	68.0-126	
Chlorobenzene	5.00	4.64	92.8	80.0-121	
Chlorodibromomethane	5.00	4.67	93.4	77.0-125	
Chloroethane	5.00	4.14	82.8	47.0-150	LC
Chloroform	5.00	4.56	91.2	73.0-120	LC
Chloromethane	5.00	5.45	109	41.0-142	
2-Chlorotoluene	5.00	5.18	104	76.0-123	
4-Chlorotoluene	5.00	5.31	106	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.65	73.0	58.0-134	LC
1,2-Dibromoethane	5.00	4.64	92.8	80.0-122	
Dibromomethane	5.00	4.08	81.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.70	94.0	79.0-121	
1,3-Dichlorobenzene	5.00	5.11	102	79.0-120	
1,4-Dichlorobenzene	5.00	5.07	101	79.0-120	
Dichlorodifluoromethane	5.00	4.46	89.2	51.0-149	LC
1,1-Dichloroethane	5.00	4.43	88.6	70.0-126	
1,2-Dichloroethane	5.00	4.03	80.6	70.0-128	
1,1-Dichloroethene	5.00	5.04	101	71.0-124	
cis-1,2-Dichloroethene	5.00	4.38	87.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.36	87.2	73.0-120	
1,2-Dichloropropane	5.00	4.74	94.8	77.0-125	
1,1-Dichloropropene	5.00	5.08	102	74.0-126	
1,3-Dichloropropane	5.00	4.80	96.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.99	99.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.81	96.2	78.0-124	
2,2-Dichloropropane	5.00	4.18	83.6	58.0-130	
Di-isopropyl ether	5.00	4.46	89.2	58.0-138	
Ethylbenzene	5.00	4.80	96.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.60	92.0	54.0-138	
Isopropylbenzene	5.00	5.00	100	76.0-127	
p-Isopropyltoluene	5.00	5.03	101	76.0-125	

1
Cp

2
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

Laboratory Control Sample (LCS)

(LCS) R4124840-1 09/23/24 09:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	25.0	17.7	70.8	44.0-160	
Methylene Chloride	5.00	4.52	90.4	67.0-120	J
4-Methyl-2-pentanone (MIBK)	25.0	22.4	89.6	68.0-142	
Methyl tert-butyl ether	5.00	3.57	71.4	68.0-125	
Naphthalene	5.00	3.44	68.8	54.0-135	J
n-Propylbenzene	5.00	5.19	104	77.0-124	
Styrene	5.00	4.16	83.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.30	86.0	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.22	84.4	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.89	97.8	69.0-132	
Tetrachloroethene	5.00	5.39	108	72.0-132	
Toluene	5.00	4.67	93.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.19	83.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.31	86.2	57.0-137	
1,1,1-Trichloroethane	5.00	5.00	100	73.0-124	
1,1,2-Trichloroethane	5.00	4.73	94.6	80.0-120	
Trichloroethene	5.00	5.64	113	78.0-124	
Trichlorofluoromethane	5.00	4.89	97.8	59.0-147	J
1,2,3-Trichloropropane	5.00	4.68	93.6	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.95	99.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.73	94.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.04	101	76.0-122	
Vinyl chloride	5.00	4.31	86.2	67.0-131	
Xylenes, Total	15.0	13.6	90.7	79.0-123	
(S) Toluene-d8			97.1	80.0-120	
(S) 4-Bromofluorobenzene			91.1	77.0-126	
(S) 1,2-Dichloroethane-d4			86.3	70.0-130	

L1779578-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779578-06 09/23/24 15:10 • (MS) R4124840-3 09/23/24 19:07 • (MSD) R4124840-4 09/23/24 19:27

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 %
Acetone	25.0	U	16.1	21.5	64.4	86.0	1	10.0-160			28.7	35
Acrolein	25.0	U	12.0	6.41	48.0	25.6	1	10.0-160	J	J J3	60.7	39
Acrylonitrile	25.0	U	22.0	20.6	88.0	82.4	1	21.0-160			6.57	32
Benzene	5.00	1.76	6.89	7.36	103	112	1	17.0-158			6.60	27
Bromobenzene	5.00	U	5.88	6.63	118	133	1	30.0-149			12.0	28
Bromodichloromethane	5.00	3.99	9.85	10.4	117	128	1	31.0-150			5.43	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1779578-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779578-06 09/23/24 15:10 • (MS) R4124840-3 09/23/24 19:07 • (MSD) R4124840-4 09/23/24 19:27

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	5.64	6.08	113	122	1	29.0-150			7.51	29
Bromomethane	5.00	U	4.05	4.72	81.0	94.4	1	10.0-160			15.3	38
n-Butylbenzene	5.00	U	5.73	5.90	115	118	1	31.0-150			2.92	30
sec-Butylbenzene	5.00	U	6.30	6.45	126	129	1	33.0-155			2.35	29
tert-Butylbenzene	5.00	U	6.11	6.68	122	134	1	34.0-153			8.91	28
Carbon disulfide	5.00	4.67	12.2	12.0	151	147	1	10.0-156			1.65	28
Carbon tetrachloride	5.00	3810	3340	3140	0.000	0.000	1	23.0-159	EV	EV	6.17	28
Chlorobenzene	5.00	U	5.55	6.06	111	121	1	33.0-152			8.79	27
Chlorodibromomethane	5.00	U	5.61	6.01	112	120	1	37.0-149			6.88	27
Chloroethane	5.00	U	5.16	5.33	103	107	1	10.0-160			3.24	30
Chloroform	5.00	1610	1630	1480	400	0.000	1	29.0-154	EV	EV	9.65	28
Chloromethane	5.00	U	8.80	9.69	176	194	1	10.0-160	J5	J5	9.63	29
2-Chlorotoluene	5.00	U	5.85	6.47	117	129	1	32.0-153			10.1	28
4-Chlorotoluene	5.00	U	6.25	7.05	125	141	1	32.0-150			12.0	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.60	4.63	92.0	92.6	1	22.0-151	J	J	0.650	34
1,2-Dibromoethane	5.00	0.262	5.92	6.29	113	121	1	34.0-147			6.06	27
Dibromomethane	5.00	U	4.88	5.30	97.6	106	1	30.0-151			8.25	27
1,2-Dichlorobenzene	5.00	U	5.31	5.81	106	116	1	34.0-149			8.99	28
1,3-Dichlorobenzene	5.00	U	5.90	6.56	118	131	1	36.0-146			10.6	27
1,4-Dichlorobenzene	5.00	U	5.52	6.13	110	123	1	35.0-142			10.5	27
Dichlorodifluoromethane	5.00	U	4.80	5.51	96.0	110	1	10.0-160	J		13.8	29
1,1-Dichloroethane	5.00	U	5.74	6.55	115	131	1	25.0-158			13.2	27
1,2-Dichloroethane	5.00	9.66	14.4	14.4	94.8	94.8	1	29.0-151			0.000	27
1,1-Dichloroethene	5.00	0.592	7.85	8.77	145	164	1	11.0-160		J5	11.1	29
cis-1,2-Dichloroethene	5.00	3.71	9.74	10.2	121	130	1	10.0-160			4.61	27
trans-1,2-Dichloroethene	5.00	U	6.17	6.85	123	137	1	17.0-153			10.4	27
1,2-Dichloropropane	5.00	0.189	6.04	6.65	117	129	1	30.0-156			9.61	27
1,1-Dichloropropene	5.00	0.856	8.04	8.39	144	151	1	25.0-158			4.26	27
1,3-Dichloropropane	5.00	U	5.61	6.14	112	123	1	38.0-147			9.02	27
cis-1,3-Dichloropropene	5.00	U	5.44	6.10	109	122	1	34.0-149			11.4	28
trans-1,3-Dichloropropene	5.00	U	5.77	6.34	115	127	1	32.0-149			9.41	28
2,2-Dichloropropane	5.00	U	3.88	4.19	77.6	83.8	1	24.0-152			7.68	29
Di-isopropyl ether	5.00	U	5.60	6.11	112	122	1	21.0-160			8.71	28
Ethylbenzene	5.00	U	5.65	6.17	113	123	1	30.0-155			8.80	27
Hexachloro-1,3-butadiene	5.00	U	5.33	6.03	107	121	1	20.0-154			12.3	34
Isopropylbenzene	5.00	U	6.24	6.38	125	128	1	28.0-157			2.22	27
p-Isopropyltoluene	5.00	U	5.87	6.09	117	122	1	30.0-154			3.68	29
2-Butanone (MEK)	25.0	U	16.1	16.4	64.4	65.6	1	10.0-160			1.85	32
Methylene Chloride	5.00	2.76	8.40	9.23	113	129	1	23.0-144			9.42	28
4-Methyl-2-pentanone (MIBK)	25.0	U	27.5	27.3	110	109	1	29.0-160			0.730	29

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1779578-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779578-06 09/23/24 15:10 • (MS) R4124840-3 09/23/24 19:07 • (MSD) R4124840-4 09/23/24 19:27

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	4.13	4.70	82.6	94.0	1	28.0-150			12.9	29
Naphthalene	5.00	U	4.78	4.88	95.6	97.6	1	12.0-156	J	J	2.07	35
n-Propylbenzene	5.00	U	6.29	6.60	126	132	1	31.0-154			4.81	28
Styrene	5.00	U	4.96	5.40	99.2	108	1	33.0-155			8.49	28
1,1,1,2-Tetrachloroethane	5.00	U	5.27	5.37	105	107	1	36.0-151			1.88	29
1,1,2,2-Tetrachloroethane	5.00	U	5.43	5.75	109	115	1	33.0-150			5.72	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.99	6.85	120	137	1	23.0-160			13.4	30
Tetrachloroethene	5.00	38.2	43.5	41.7	106	70.0	1	10.0-160	E	E	4.23	27
Toluene	5.00	U	5.55	5.95	111	119	1	26.0-154			6.96	28
1,2,3-Trichlorobenzene	5.00	U	4.92	5.10	98.4	102	1	17.0-150			3.59	36
1,2,4-Trichlorobenzene	5.00	U	4.89	5.23	97.8	105	1	24.0-150			6.72	33
1,1,1-Trichloroethane	5.00	U	6.44	6.72	129	134	1	23.0-160			4.26	28
1,1,2-Trichloroethane	5.00	1.10	6.55	6.98	109	118	1	35.0-147			6.36	27
Trichloroethene	5.00	3.48	9.24	9.72	115	125	1	10.0-160			5.06	25
Trichlorofluoromethane	5.00	U	6.54	7.10	131	142	1	17.0-160			8.21	31
1,2,3-Trichloropropane	5.00	U	5.12	5.71	102	114	1	34.0-151			10.9	29
1,2,4-Trimethylbenzene	5.00	U	6.00	6.24	120	125	1	26.0-154			3.92	27
1,2,3-Trimethylbenzene	5.00	0.219	5.78	5.96	111	115	1	32.0-149			3.07	28
1,3,5-Trimethylbenzene	5.00	U	5.85	6.12	117	122	1	28.0-153			4.51	27
Vinyl chloride	5.00	U	5.29	5.91	106	118	1	10.0-160			11.1	27
Xylenes, Total	15.0	U	16.7	17.8	111	119	1	29.0-154			6.38	28
(S) Toluene-d8					94.6	95.3	80.0-120					
(S) 4-Bromofluorobenzene					94.6	93.6	77.0-126					
(S) 1,2-Dichloroethane-d4					94.4	92.4	70.0-130					

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4125765-4 09/26/24 21:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chloroform	U		0.111	5.00
(S) Toluene-d8	99.8			80.0-120
(S) 4-Bromofluorobenzene	93.6			77.0-126
(S) 1,2-Dichloroethane-d4	97.3			70.0-130

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

(LCS) R4125765-1 09/26/24 19:55 • (LCSD) R4125765-2 09/26/24 20:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	4.08	4.15	81.6	83.0	61.0-128			1.70	20
Carbon tetrachloride	5.00	4.74	4.64	94.8	92.8	68.0-126			2.13	20
Chloroform	5.00	4.60	4.57	92.0	91.4	73.0-120	J	J	0.654	20
(S) Toluene-d8				98.4	98.9	80.0-120				
(S) 4-Bromofluorobenzene				99.4	102	77.0-126				
(S) 1,2-Dichloroethane-d4				92.6	94.9	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4125282-3 09/25/24 00:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.300	0.400
(S) Nitrobenzene-d5	81.9			10.0-120

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

(LCS) R4125282-1 09/24/24 23:47 • (LCSD) R4125282-2 09/25/24 00:06

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 %
1,4-Dioxane	50.0	46.4	46.4	92.8	92.8	73.0-146			0.000	20
(S) Nitrobenzene-d5				94.1	97.6	10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

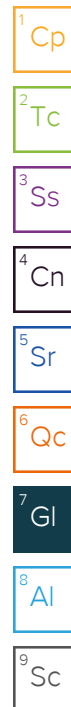
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

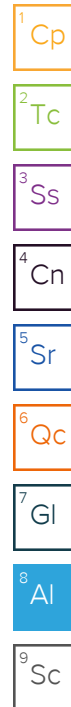
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Sample Receipt Checklist

COG Seal Present/Intact:	<u>Y</u> <u>N</u>	If Applicable	
COG Signed/Accurate:	<u>Y</u> <u>N</u>	VOA Zero Headspace:	<u>Y</u> <u>N</u>
Bottles arrive intact:	<u>Y</u> <u>N</u>	Pres. Correct/Check:	<u>Y</u> <u>N</u>
Correct bottles used:	<u>Y</u> <u>N</u>		
SA incident volume sent:	<u>Y</u> <u>N</u>		
Ru screen <0.5 mR/hr:	<u>Y</u> <u>N</u>		

1.5 x 0.3 = 1.8

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[illegible]