

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1630484
Samples Received: 06/28/2023
Project Number: QTIME #37622
Description: Elmira

Report To: Anthony Chavez
165 E. 7th Avenue
Suite 100
Eugene, OR 97401

Entire Report Reviewed By:



Brigit Gillespie
Project Manager

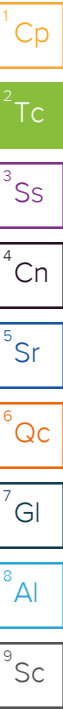
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Pace Analytical National

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SAMPLE SUMMARY

DW-VACANT L1630484-01 GW

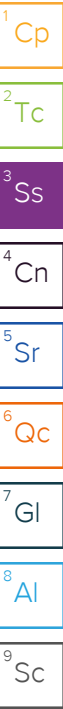
Collected by Sarah Kingery
Collected date/time 06/26/23 19:15
Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 200.8	WG2087169	1	07/02/23 07:04	07/03/23 02:04	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2088942	1	07/04/23 00:17	07/04/23 00:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2086539	1	06/29/23 16:13	06/29/23 16:13	DWR	Mt. Juliet, TN

DUPLICATE L1630484-02 GW

Collected by Sarah Kingery
Collected date/time 06/26/23 19:30
Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2086539	1	06/29/23 16:39	06/29/23 16:39	DWR	Mt. Juliet, TN

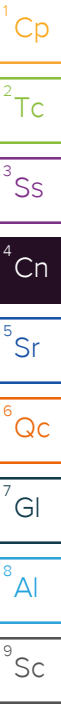


CASE NARRATIVE

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.



Brigit Gillespie
Project Manager



Metals (ICPMS) by Method 200.8

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		0.513	2.00	1	07/03/2023 02:04	WG2087169

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/04/2023 00:17	WG2088942
(S) a,a,a-Trifluorotoluene(FID)	113			78.0-120		07/04/2023 00:17	WG2088942

Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0490	0.500	1	06/29/2023 16:13	WG2086539
Carbon tetrachloride	U		0.0660	0.500	1	06/29/2023 16:13	WG2086539
1,4-Dichlorobenzene	U		0.0310	0.500	1	06/29/2023 16:13	WG2086539
1,2-Dichloroethane	U		0.0498	0.500	1	06/29/2023 16:13	WG2086539
1,1-Dichloroethene	U		0.0540	0.500	1	06/29/2023 16:13	WG2086539
1,1,1-Trichloroethane	U		0.0490	0.500	1	06/29/2023 16:13	WG2086539
Trichloroethene	U		0.0440	0.500	1	06/29/2023 16:13	WG2086539
Vinyl chloride	U		0.0260	0.500	1	06/29/2023 16:13	WG2086539
1,2,4-Trichlorobenzene	U		0.0530	0.500	1	06/29/2023 16:13	WG2086539
cis-1,2-Dichloroethene	U		0.0640	0.500	1	06/29/2023 16:13	WG2086539
Xylenes, Total	U		0.340	0.500	1	06/29/2023 16:13	WG2086539
Methylene chloride	U		0.0608	0.500	1	06/29/2023 16:13	WG2086539
1,2-Dichlorobenzene	U		0.0410	0.500	1	06/29/2023 16:13	WG2086539
trans-1,2-Dichloroethene	U		0.100	0.500	1	06/29/2023 16:13	WG2086539
1,2-Dichloropropane	U		0.0270	0.500	1	06/29/2023 16:13	WG2086539
1,1,2-Trichloroethane	U		0.0701	0.500	1	06/29/2023 16:13	WG2086539
Tetrachloroethene	U		0.0790	0.500	1	06/29/2023 16:13	WG2086539
Chlorobenzene	U		0.0370	0.500	1	06/29/2023 16:13	WG2086539
Toluene	U		0.412	0.500	1	06/29/2023 16:13	WG2086539
Ethylbenzene	U		0.0440	0.500	1	06/29/2023 16:13	WG2086539
Styrene	U		0.0360	0.500	1	06/29/2023 16:13	WG2086539
Bromobenzene	U		0.0490	0.500	1	06/29/2023 16:13	WG2086539
Bromodichloromethane	U		0.0810	0.500	1	06/29/2023 16:13	WG2086539
Bromoform	U		0.0800	0.500	1	06/29/2023 16:13	WG2086539
Bromomethane	U		0.0790	1.00	1	06/29/2023 16:13	WG2086539
Chlorodibromomethane	U		0.0930	0.500	1	06/29/2023 16:13	WG2086539
Chloroethane	U		0.190	0.500	1	06/29/2023 16:13	WG2086539
Chloroform	U		0.0800	0.500	1	06/29/2023 16:13	WG2086539
Chloromethane	U		0.0290	0.500	1	06/29/2023 16:13	WG2086539
2-Chlorotoluene	U		0.0480	0.500	1	06/29/2023 16:13	WG2086539
4-Chlorotoluene	U		0.0550	0.500	1	06/29/2023 16:13	WG2086539
Dibromomethane	U		0.0700	0.500	1	06/29/2023 16:13	WG2086539
1,3-Dichlorobenzene	U		0.0360	0.500	1	06/29/2023 16:13	WG2086539
1,1-Dichloroethane	U		0.0240	0.500	1	06/29/2023 16:13	WG2086539
1,3-Dichloropropane	U		0.0230	0.500	1	06/29/2023 16:13	WG2086539
2,2-Dichloropropane	U		0.0680	0.500	1	06/29/2023 16:13	WG2086539
1,1-Dichloropropene	U		0.0450	0.500	1	06/29/2023 16:13	WG2086539
1,3-Dichloropropene	U		0.150	0.500	1	06/29/2023 16:13	WG2086539
1,1,1,2-Tetrachloroethane	U		0.0700	0.500	1	06/29/2023 16:13	WG2086539
1,1,2,2-Tetrachloroethane	U		0.0790	0.500	1	06/29/2023 16:13	WG2086539
1,2,3-Trichloropropane	U		0.0720	0.500	1	06/29/2023 16:13	WG2086539
Methyl tert-butyl ether	U		0.0530	0.500	1	06/29/2023 16:13	WG2086539
Naphthalene	U		0.110	0.500	1	06/29/2023 16:13	WG2086539



Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.210	0.500	1	06/29/2023 16:13	WG2086539
Isopropylbenzene	U		0.0410	0.500	1	06/29/2023 16:13	WG2086539
1,2,4-Trimethylbenzene	U		0.0430	0.500	1	06/29/2023 16:13	WG2086539
1,3,5-Trimethylbenzene	U		0.0430	0.500	1	06/29/2023 16:13	WG2086539

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 524.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0490	0.500	1	06/29/2023 16:39	WG2086539
Carbon tetrachloride	U		0.0660	0.500	1	06/29/2023 16:39	WG2086539
1,4-Dichlorobenzene	U		0.0310	0.500	1	06/29/2023 16:39	WG2086539
1,2-Dichloroethane	U		0.0498	0.500	1	06/29/2023 16:39	WG2086539
1,1-Dichloroethene	U		0.0540	0.500	1	06/29/2023 16:39	WG2086539
1,1,1-Trichloroethane	U		0.0490	0.500	1	06/29/2023 16:39	WG2086539
Trichloroethene	U		0.0440	0.500	1	06/29/2023 16:39	WG2086539
Vinyl chloride	U		0.0260	0.500	1	06/29/2023 16:39	WG2086539
1,2,4-Trichlorobenzene	U		0.0530	0.500	1	06/29/2023 16:39	WG2086539
cis-1,2-Dichloroethene	U		0.0640	0.500	1	06/29/2023 16:39	WG2086539
Xylenes, Total	U		0.340	0.500	1	06/29/2023 16:39	WG2086539
Methylene chloride	U		0.0608	0.500	1	06/29/2023 16:39	WG2086539
1,2-Dichlorobenzene	U		0.0410	0.500	1	06/29/2023 16:39	WG2086539
trans-1,2-Dichloroethene	U		0.100	0.500	1	06/29/2023 16:39	WG2086539
1,2-Dichloropropane	U		0.0270	0.500	1	06/29/2023 16:39	WG2086539
1,1,2-Trichloroethane	U		0.0701	0.500	1	06/29/2023 16:39	WG2086539
Tetrachloroethene	U		0.0790	0.500	1	06/29/2023 16:39	WG2086539
Chlorobenzene	U		0.0370	0.500	1	06/29/2023 16:39	WG2086539
Toluene	U		0.412	0.500	1	06/29/2023 16:39	WG2086539
Ethylbenzene	U		0.0440	0.500	1	06/29/2023 16:39	WG2086539
Styrene	U		0.0360	0.500	1	06/29/2023 16:39	WG2086539
Bromobenzene	U		0.0490	0.500	1	06/29/2023 16:39	WG2086539
Bromodichloromethane	U		0.0810	0.500	1	06/29/2023 16:39	WG2086539
Bromoform	U		0.0800	0.500	1	06/29/2023 16:39	WG2086539
Bromomethane	U		0.0790	1.00	1	06/29/2023 16:39	WG2086539
Chlorodibromomethane	U		0.0930	0.500	1	06/29/2023 16:39	WG2086539
Chloroethane	U		0.190	0.500	1	06/29/2023 16:39	WG2086539
Chloroform	U		0.0800	0.500	1	06/29/2023 16:39	WG2086539
Chloromethane	U		0.0290	0.500	1	06/29/2023 16:39	WG2086539
2-Chlorotoluene	U		0.0480	0.500	1	06/29/2023 16:39	WG2086539
4-Chlorotoluene	U		0.0550	0.500	1	06/29/2023 16:39	WG2086539
Dibromomethane	U		0.0700	0.500	1	06/29/2023 16:39	WG2086539
1,3-Dichlorobenzene	U		0.0360	0.500	1	06/29/2023 16:39	WG2086539
1,1-Dichloroethane	U		0.0240	0.500	1	06/29/2023 16:39	WG2086539
1,3-Dichloropropane	U		0.0230	0.500	1	06/29/2023 16:39	WG2086539
2,2-Dichloropropane	U		0.0680	0.500	1	06/29/2023 16:39	WG2086539
1,1-Dichloropropene	U		0.0450	0.500	1	06/29/2023 16:39	WG2086539
1,3-Dichloropropene	U		0.150	0.500	1	06/29/2023 16:39	WG2086539
1,1,1,2-Tetrachloroethane	U		0.0700	0.500	1	06/29/2023 16:39	WG2086539
1,1,2,2-Tetrachloroethane	U		0.0790	0.500	1	06/29/2023 16:39	WG2086539
1,2,3-Trichloropropane	U		0.0720	0.500	1	06/29/2023 16:39	WG2086539
Methyl tert-butyl ether	U		0.0530	0.500	1	06/29/2023 16:39	WG2086539
Naphthalene	U		0.110	0.500	1	06/29/2023 16:39	WG2086539
1,2-Dibromoethane	U		0.210	0.500	1	06/29/2023 16:39	WG2086539
Isopropylbenzene	U		0.0410	0.500	1	06/29/2023 16:39	WG2086539
1,2,4-Trimethylbenzene	U		0.0430	0.500	1	06/29/2023 16:39	WG2086539
1,3,5-Trimethylbenzene	U		0.0430	0.500	1	06/29/2023 16:39	WG2086539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3944026-1 07/02/23 23:35

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Lead	U		0.513	2.00

Laboratory Control Sample (LCS)

(LCS) R3944026-2 07/02/23 23:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Lead	50.0	50.7	101	85.0-115	

L1630514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630514-01 07/02/23 23:42 • (MS) R3944026-4 07/02/23 23:48 • (MSD) R3944026-5 07/02/23 23:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	50.0	U	56.6	52.3	113	105	1	70.0-130			7.88	20

L1630988-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630988-01 07/02/23 23:55 • (MS) R3944026-6 07/02/23 23:58 • (MSD) R3944026-7 07/03/23 00:01

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	50.0	U	50.9	50.2	102	100	1	70.0-130			1.40	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3945951-2 07/03/23 17:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	110			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3945951-1 07/03/23 17:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5620	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			106	78.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3946085-2 06/29/23 11:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0490	0.500
Carbon tetrachloride	U		0.0660	0.500
1,4-Dichlorobenzene	U		0.0310	0.500
1,2-Dichloroethane	U		0.0498	0.500
1,1-Dichloroethene	U		0.0540	0.500
1,1,1-Trichloroethane	U		0.0490	0.500
Trichloroethene	U		0.0440	0.500
Vinyl chloride	U		0.0260	0.500
1,2,4-Trichlorobenzene	U		0.0530	0.500
cis-1,2-Dichloroethene	U		0.0640	0.500
Xylenes, Total	U		0.340	0.500
Methylene chloride	U		0.0608	0.500
1,2-Dichlorobenzene	U		0.0410	0.500
trans-1,2-Dichloroethene	U		0.100	0.500
1,2-Dichloropropane	U		0.0270	0.500
1,1,2-Trichloroethane	U		0.0701	0.500
Tetrachloroethene	U		0.0790	0.500
Chlorobenzene	U		0.0370	0.500
Toluene	U		0.412	0.500
Ethylbenzene	U		0.0440	0.500
Styrene	U		0.0360	0.500
Bromobenzene	U		0.0490	0.500
Bromodichloromethane	U		0.0810	0.500
Bromoform	U		0.0800	0.500
Bromomethane	U		0.0790	1.00
Chlorodibromomethane	U		0.0930	0.500
Chloroethane	U		0.190	0.500
Chloroform	U		0.0800	0.500
Chloromethane	U		0.0290	0.500
2-Chlorotoluene	U		0.0480	0.500
4-Chlorotoluene	U		0.0550	0.500
Dibromomethane	U		0.0700	0.500
1,3-Dichlorobenzene	U		0.0360	0.500
1,1-Dichloroethane	U		0.0240	0.500
1,3-Dichloropropane	U		0.0230	0.500
2,2-Dichloropropane	U		0.0680	0.500
1,1-Dichloropropene	U		0.0450	0.500
1,3-Dichloropropene	U		0.150	0.500
1,1,1,2-Tetrachloroethane	U		0.0700	0.500
1,1,2,2-Tetrachloroethane	U		0.0790	0.500

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3946085-2 06/29/23 11:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	U		0.0720	0.500
Methyl tert-butyl ether	U		0.0530	0.500
Naphthalene	U		0.110	0.500
1,2-Dibromoethane	U		0.210	0.500
Isopropylbenzene	U		0.0410	0.500
1,2,4-Trimethylbenzene	U		0.0430	0.500
1,3,5-Trimethylbenzene	U		0.0430	0.500

Laboratory Control Sample (LCS)

(LCS) R3946085-1 06/29/23 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.36	107	70.0-130	
Carbon tetrachloride	5.00	5.05	101	70.0-130	
1,4-Dichlorobenzene	5.00	5.64	113	70.0-130	
1,2-Dichloroethane	5.00	5.13	103	70.0-130	
1,1-Dichloroethene	5.00	5.03	101	70.0-130	
1,1,1-Trichloroethane	5.00	5.28	106	70.0-130	
Trichloroethene	5.00	5.23	105	70.0-130	
Vinyl chloride	5.00	4.72	94.4	70.0-130	
1,2,4-Trichlorobenzene	5.00	4.92	98.4	70.0-130	
cis-1,2-Dichloroethene	5.00	5.47	109	70.0-130	
Xylenes, Total	15.0	16.0	107	70.0-130	
Methylene chloride	5.00	5.37	107	70.0-130	
1,2-Dichlorobenzene	5.00	5.54	111	70.0-130	
trans-1,2-Dichloroethene	5.00	5.00	100	70.0-130	
1,2-Dichloropropane	5.00	5.25	105	70.0-130	
1,1,2-Trichloroethane	5.00	5.45	109	70.0-130	
Tetrachloroethene	5.00	5.30	106	70.0-130	
Chlorobenzene	5.00	5.44	109	70.0-130	
Toluene	5.00	5.28	106	70.0-130	
Ethylbenzene	5.00	5.19	104	70.0-130	
Styrene	5.00	5.41	108	70.0-130	
Bromobenzene	5.00	5.43	109	70.0-130	
Bromodichloromethane	5.00	5.14	103	70.0-130	
Bromoform	5.00	4.58	91.6	70.0-130	
Bromomethane	5.00	4.47	89.4	70.0-130	
Chlorodibromomethane	5.00	4.84	96.8	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3946085-1 06/29/23 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloroethane	5.00	5.12	102	70.0-130	
Chloroform	5.00	5.40	108	70.0-130	
Chloromethane	5.00	4.42	88.4	70.0-130	
2-Chlorotoluene	5.00	5.37	107	70.0-130	
4-Chlorotoluene	5.00	5.35	107	70.0-130	
Dibromomethane	5.00	5.37	107	70.0-130	
1,3-Dichlorobenzene	5.00	5.70	114	70.0-130	
1,1-Dichloroethane	5.00	5.18	104	70.0-130	
1,3-Dichloropropane	5.00	5.43	109	70.0-130	
2,2-Dichloropropane	5.00	4.98	99.6	70.0-130	
1,1-Dichloropropene	5.00	5.08	102	70.0-130	
1,3-Dichloropropene	10.0	10.4	104	70.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.36	107	70.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.21	104	70.0-130	
1,2,3-Trichloropropane	5.00	5.62	112	70.0-130	
Methyl tert-butyl ether	5.00	5.05	101	70.0-130	
Naphthalene	5.00	4.47	89.4	70.0-130	
Isopropylbenzene	5.00	5.32	106	70.0-130	
1,2,4-Trimethylbenzene	5.00	5.34	107	70.0-130	
1,3,5-Trimethylbenzene	5.00	5.34	107	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

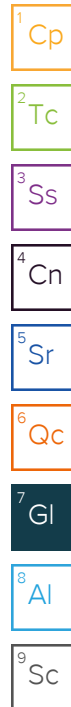
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

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



ACCREDITATIONS & LOCATIONS

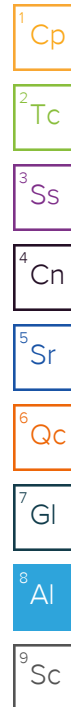
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



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