

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1650271
Samples Received: 08/26/2023
Project Number: 310200
Description: Elmira Family Store QCAT #37622

Report To: Sarah KINGERY
165 E. 7th Avenue
Suite 100
Eugene, OR 97401

Entire Report Reviewed By:



Brian Ford
Project Manager

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

SAMPLE SUMMARY

MCQUARRIE POST L1650271-01 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 09:40
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2127150	1	09/06/23 13:19	09/06/23 13:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 14:50	08/29/23 14:50	JBE	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MCQUARRIE MID 2 L1650271-02 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 09:50
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2127150	1	09/06/23 13:42	09/06/23 13:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 15:12	08/29/23 15:12	JBE	Mt. Juliet, TN

MCQUARRIE MID 1 L1650271-03 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 10:00
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2127150	1	09/06/23 14:05	09/06/23 14:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 15:33	08/29/23 15:33	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2125593	25	09/02/23 04:31	09/02/23 04:31	DYW	Mt. Juliet, TN

MCQUARRIE PRE L1650271-04 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 10:15
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2127150	1	09/06/23 14:29	09/06/23 14:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 15:54	08/29/23 15:54	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2125593	25	09/02/23 04:53	09/02/23 04:53	DYW	Mt. Juliet, TN

CORDON L1650271-05 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 10:30
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2127150	1	09/06/23 14:52	09/06/23 14:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 16:15	08/29/23 16:15	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2125593	1	09/02/23 02:02	09/02/23 02:02	DYW	Mt. Juliet, TN

TRIP BLANK L1650271-06 GW

Collected by Sarah Kingery
Collected date/time 08/24/23 00:00
Received date/time 08/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2123021	1	08/29/23 14:08	08/29/23 14:08	JBE	Mt. Juliet, TN

CASE NARRATIVE

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



Brian Ford
Project Manager

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

Volatile Organic Compounds (GC) 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	09/06/2023 13:19	WG2127150
(S) a,a,a-Trifluorotoluene(FID)	93.0			78.0-120		09/06/2023 13:19	WG2127150

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	08/29/2023 14:50	WG2123021
Ethylbenzene	U		0.137	1.00	1	08/29/2023 14:50	WG2123021
Toluene	U		0.278	1.00	1	08/29/2023 14:50	WG2123021
Xylenes, Total	U		0.174	3.00	1	08/29/2023 14:50	WG2123021
Methyl tert-butyl ether	U		0.101	1.00	1	08/29/2023 14:50	WG2123021
Naphthalene	U		1.00	5.00	1	08/29/2023 14:50	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 14:50	WG2123021
1,2-Dichloroethane	1.94	C5	0.0819	1.00	1	08/29/2023 14:50	WG2123021
Isopropylbenzene	U		0.105	1.00	1	08/29/2023 14:50	WG2123021
n-Propylbenzene	U		0.0993	1.00	1	08/29/2023 14:50	WG2123021
1,2,4-Trimethylbenzene	U		0.322	1.00	1	08/29/2023 14:50	WG2123021
1,3,5-Trimethylbenzene	U		0.104	1.00	1	08/29/2023 14:50	WG2123021
(S) Toluene-d8	104			80.0-120		08/29/2023 14:50	WG2123021
(S) 4-Bromofluorobenzene	105			77.0-126		08/29/2023 14:50	WG2123021
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/29/2023 14:50	WG2123021

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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	34.9	<u>J</u>	31.6	100	1	09/06/2023 13:42	WG2127150
(S) a,a,a-Trifluorotoluene(FID)	92.5			78.0-120		09/06/2023 13:42	WG2127150

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	08/29/2023 15:12	WG2123021
Ethylbenzene	U		0.137	1.00	1	08/29/2023 15:12	WG2123021
Toluene	U		0.278	1.00	1	08/29/2023 15:12	WG2123021
Xylenes, Total	U		0.174	3.00	1	08/29/2023 15:12	WG2123021
Methyl tert-butyl ether	U		0.101	1.00	1	08/29/2023 15:12	WG2123021
Naphthalene	U		1.00	5.00	1	08/29/2023 15:12	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 15:12	WG2123021
1,2-Dichloroethane	3.14	<u>C5</u>	0.0819	1.00	1	08/29/2023 15:12	WG2123021
Isopropylbenzene	U		0.105	1.00	1	08/29/2023 15:12	WG2123021
n-Propylbenzene	U		0.0993	1.00	1	08/29/2023 15:12	WG2123021
1,2,4-Trimethylbenzene	U		0.322	1.00	1	08/29/2023 15:12	WG2123021
1,3,5-Trimethylbenzene	U		0.104	1.00	1	08/29/2023 15:12	WG2123021
(S) Toluene-d8	104			80.0-120		08/29/2023 15:12	WG2123021
(S) 4-Bromofluorobenzene	102			77.0-126		08/29/2023 15:12	WG2123021
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/29/2023 15:12	WG2123021

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	1210		31.6	100	1	09/06/2023 14:05	WG2127150
(S) a,a,a-Trifluorotoluene(FID)	85.4			78.0-120		09/06/2023 14:05	WG2127150

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	627		2.35	25.0	25	09/02/2023 04:31	WG2125593
Ethylbenzene	U		0.137	1.00	1	08/29/2023 15:33	WG2123021
Toluene	U		0.278	1.00	1	08/29/2023 15:33	WG2123021
Xylenes, Total	U		0.174	3.00	1	08/29/2023 15:33	WG2123021
Methyl tert-butyl ether	0.156	J	0.101	1.00	1	08/29/2023 15:33	WG2123021
Naphthalene	U		1.00	5.00	1	08/29/2023 15:33	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 15:33	WG2123021
1,2-Dichloroethane	4.68	C5	0.0819	1.00	1	08/29/2023 15:33	WG2123021
Isopropylbenzene	U		0.105	1.00	1	08/29/2023 15:33	WG2123021
n-Propylbenzene	U		0.0993	1.00	1	08/29/2023 15:33	WG2123021
1,2,4-Trimethylbenzene	U		0.322	1.00	1	08/29/2023 15:33	WG2123021
1,3,5-Trimethylbenzene	U		0.104	1.00	1	08/29/2023 15:33	WG2123021
(S) Toluene-d8	101			80.0-120		08/29/2023 15:33	WG2123021
(S) Toluene-d8	121	J1		80.0-120		09/02/2023 04:31	WG2125593
(S) 4-Bromofluorobenzene	106			77.0-126		08/29/2023 15:33	WG2123021
(S) 4-Bromofluorobenzene	96.8			77.0-126		09/02/2023 04:31	WG2125593
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/29/2023 15:33	WG2123021
(S) 1,2-Dichloroethane-d4	111			70.0-130		09/02/2023 04:31	WG2125593

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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	1210		31.6	100	1	09/06/2023 14:29	WG2127150
(S) a,a,a-Trifluorotoluene(FID)	83.9			78.0-120		09/06/2023 14:29	WG2127150

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	608		2.35	25.0	25	09/02/2023 04:53	WG2125593
Ethylbenzene	16.6		0.137	1.00	1	08/29/2023 15:54	WG2123021
Toluene	0.430	<u>J</u>	0.278	1.00	1	08/29/2023 15:54	WG2123021
Xylenes, Total	3.02		0.174	3.00	1	08/29/2023 15:54	WG2123021
Methyl tert-butyl ether	0.137	<u>J</u>	0.101	1.00	1	08/29/2023 15:54	WG2123021
Naphthalene	2.02	<u>J</u>	1.00	5.00	1	08/29/2023 15:54	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 15:54	WG2123021
1,2-Dichloroethane	4.52	<u>C5</u>	0.0819	1.00	1	08/29/2023 15:54	WG2123021
Isopropylbenzene	6.83		0.105	1.00	1	08/29/2023 15:54	WG2123021
n-Propylbenzene	8.41	<u>C5</u>	0.0993	1.00	1	08/29/2023 15:54	WG2123021
1,2,4-Trimethylbenzene	0.480	<u>J</u>	0.322	1.00	1	08/29/2023 15:54	WG2123021
1,3,5-Trimethylbenzene	0.316	<u>J</u>	0.104	1.00	1	08/29/2023 15:54	WG2123021
(S) Toluene-d8	102			80.0-120		08/29/2023 15:54	WG2123021
(S) Toluene-d8	121	<u>J1</u>		80.0-120		09/02/2023 04:53	WG2125593
(S) 4-Bromofluorobenzene	106			77.0-126		08/29/2023 15:54	WG2123021
(S) 4-Bromofluorobenzene	96.0			77.0-126		09/02/2023 04:53	WG2125593
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/29/2023 15:54	WG2123021
(S) 1,2-Dichloroethane-d4	110			70.0-130		09/02/2023 04:53	WG2125593

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	09/06/2023 14:52	WG2127150
(S) a,a,a-Trifluorotoluene(FID)	92.7			78.0-120		09/06/2023 14:52	WG2127150

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	09/02/2023 02:02	WG2125593
Ethylbenzene	U		0.137	1.00	1	08/29/2023 16:15	WG2123021
Toluene	U		0.278	1.00	1	08/29/2023 16:15	WG2123021
Xylenes, Total	U		0.174	3.00	1	08/29/2023 16:15	WG2123021
Methyl tert-butyl ether	U		0.101	1.00	1	08/29/2023 16:15	WG2123021
Naphthalene	U		1.00	5.00	1	08/29/2023 16:15	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 16:15	WG2123021
1,2-Dichloroethane	U		0.0819	1.00	1	08/29/2023 16:15	WG2123021
Isopropylbenzene	U		0.105	1.00	1	08/29/2023 16:15	WG2123021
n-Propylbenzene	U		0.0993	1.00	1	08/29/2023 16:15	WG2123021
1,2,4-Trimethylbenzene	U		0.322	1.00	1	08/29/2023 16:15	WG2123021
1,3,5-Trimethylbenzene	U		0.104	1.00	1	08/29/2023 16:15	WG2123021
(S) Toluene-d8	108			80.0-120		08/29/2023 16:15	WG2123021
(S) Toluene-d8	117			80.0-120		09/02/2023 02:02	WG2125593
(S) 4-Bromofluorobenzene	106			77.0-126		08/29/2023 16:15	WG2123021
(S) 4-Bromofluorobenzene	96.8			77.0-126		09/02/2023 02:02	WG2125593
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/29/2023 16:15	WG2123021
(S) 1,2-Dichloroethane-d4	110			70.0-130		09/02/2023 02:02	WG2125593

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

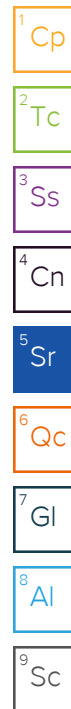
7 Gl

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
Benzene	U		0.0941	1.00	1	08/29/2023 14:08	WG2123021
Ethylbenzene	U		0.137	1.00	1	08/29/2023 14:08	WG2123021
Toluene	U		0.278	1.00	1	08/29/2023 14:08	WG2123021
Xylenes, Total	U		0.174	3.00	1	08/29/2023 14:08	WG2123021
Methyl tert-butyl ether	U		0.101	1.00	1	08/29/2023 14:08	WG2123021
Naphthalene	U		1.00	5.00	1	08/29/2023 14:08	WG2123021
1,2-Dibromoethane	U		0.126	1.00	1	08/29/2023 14:08	WG2123021
1,2-Dichloroethane	U		0.0819	1.00	1	08/29/2023 14:08	WG2123021
Isopropylbenzene	U		0.105	1.00	1	08/29/2023 14:08	WG2123021
n-Propylbenzene	U		0.0993	1.00	1	08/29/2023 14:08	WG2123021
1,2,4-Trimethylbenzene	U		0.322	1.00	1	08/29/2023 14:08	WG2123021
1,3,5-Trimethylbenzene	U		0.104	1.00	1	08/29/2023 14:08	WG2123021
(S) Toluene-d8	103			80.0-120		08/29/2023 14:08	WG2123021
(S) 4-Bromofluorobenzene	104			77.0-126		08/29/2023 14:08	WG2123021
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/29/2023 14:08	WG2123021



Method Blank (MB)

(MB) R3970187-2 09/06/23 11:32

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)	93.4			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3970187-1 09/06/23 10:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5120	93.1	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			99.9	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3968508-3 08/29/23 10:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichloroethane	U		0.0819	1.00
Isopropylbenzene	U		0.105	1.00
n-Propylbenzene	U		0.0993	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	112			70.0-130

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

(LCS) R3968508-1 08/29/23 09:34 • (LCSD) R3968508-2 08/29/23 09:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.81	4.53	96.2	90.6	70.0-123			6.00	20
Ethylbenzene	5.00	4.30	4.23	86.0	84.6	79.0-123			1.64	20
Toluene	5.00	5.08	4.66	102	93.2	79.0-120			8.62	20
Xylenes, Total	15.0	13.6	13.3	90.7	88.7	79.0-123			2.23	20
Methyl tert-butyl ether	5.00	5.48	4.84	110	96.8	68.0-125			12.4	20
Naphthalene	5.00	4.34	4.24	86.8	84.8	54.0-135			2.33	20
1,2-Dibromoethane	5.00	4.67	4.36	93.4	87.2	80.0-122			6.87	20
1,2-Dichloroethane	5.00	6.35	6.11	127	122	70.0-128			3.85	20
Isopropylbenzene	5.00	4.50	4.51	90.0	90.2	76.0-127			0.222	20
n-Propylbenzene	5.00	6.04	5.41	121	108	77.0-124			11.0	20
1,2,4-Trimethylbenzene	5.00	5.33	5.11	107	102	76.0-121			4.21	20
1,3,5-Trimethylbenzene	5.00	5.34	5.08	107	102	76.0-122			4.99	20
(S) Toluene-d8				105	101	80.0-120				
(S) 4-Bromofluorobenzene				101	104	77.0-126				
(S) 1,2-Dichloroethane-d4				115	114	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) R3968962-3 09/01/23 21:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	118			80.0-120
(S) 4-Bromofluorobenzene	98.6			77.0-126
(S) 1,2-Dichloroethane-d4	114			70.0-130

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

(LCS) R3968962-1 09/01/23 19:30 • (LCSD) R3968962-2 09/01/23 19:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.62	4.40	92.4	88.0	70.0-123			4.88	20
(S) Toluene-d8				115	115	80.0-120				
(S) 4-Bromofluorobenzene				98.8	102	77.0-126				
(S) 1,2-Dichloroethane-d4				115	112	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

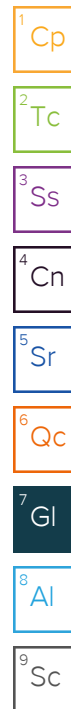
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.



ACCREDITATIONS & LOCATIONS

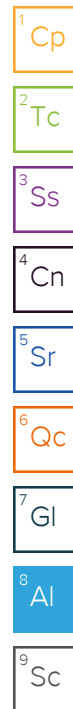
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



State of Oregon Chain of Custody

A064

Agency, Authorized Purchaser or Agent: DEQ				Contract Laboratory Name: Pace Analytical				Lab Selection Criteria: ☐ Proximity (if TAT < 48 hrs) ☐ Prior work on same project ☒ Cost (for anticipated analyses) ☐ Other labs disqualified or unable to perform requested services ☐ Emergency work				Turn Around Time: ☒ 10 days (std.) ☐ 5 days ☐ 72 hours ☐ 48 hours ☐ 24 hours ☐ Other	
Send Lab Report To: Sarah Kingery Address: 165 East 7 th Ave, Suite 100 Eugene, OR, 97401 Tel. #: 541-321-3687 E-mail: Sarah.kingery@deq.oregon.gov				Lab Batch #: Invoice To: Address: DEQEXP@deq.state.or.us									
Project Name: Elmira Family Store Project #: 310200 Sampler Name: Sarah Kingery				Sample Preservative									
				HCL	HCL	HCL							
				Requested Analyses									
Sample ID#	Collection Date/Time	Matrix	Number of Containers	NWTPH- Gx	VOCs by 8260C*	VOCs by EPA 524.2							Comments
McQuarrie Post	8/24/23 9:40	W	6	X	X								21650271 -01
McQuarrie Mid 2	8/24/23 9:50	W	6	X	X								-02
McQuarrie Mid 1	8/24/23 10:00	W	6	X	X								-03
McQuarrie Pre	8/24/23 10:15	W	6	X	X								Hot -04
Cordon	8/24/23 10:30	W	6	X	X								-05
Trip Blank	8/24/23	W	2		X								-06

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

Notes: *Please report RBDM VOCs for the 8260C analysis.

Relinquished By: Rachel Long	Agency/Agent: OR-DEQ	Received By:	Agency/Agent: <u>UBA</u>
Signature:	Time & Date: 8/24/23 10:57	Signature:	Time & Date: 8/24/23 0901
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.

08/26-NCF-L1650271-OREGONDEQ PM

R5

Time estimate: oh

Time spent: oh

Members



Paul Minnich (responsible)



Brian Ford

Due on 30 August 2023 5:00 PM for target Done

- ☐ Parameter(s) past holding time
- ☒ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☐ Broken container
- ☐ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: _____
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☒ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☒ PM initials: _____bjf_____
- ☐ Client Contact: _____

update: proceed with analysis per request of Anthony Chavez-bjf 09/07/23

Comments

Paul Minnich

26 August 2023 7:56 PM

All ice melted with a temp of 15.0

Brian Ford

28 August 2023 10:53 AM

do not analyze. place on hold.

Troy Dunlap

28 August 2023 3:31 PM

Done.