

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1549297
Samples Received: 10/21/2022
Project Number: 310200
Description: Elmira Family Store QTIME #37622

Report To: Anthony Chavez
165 E. 7th Avenue
Suite 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 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
MCQUARRIE POST L1549297-01	5
MCQUARRIE MID 2 L1549297-02	6
MCQUARRIE PRE L1549297-03	7
MCQUARRIE DUP L1549297-04	8
TRIP BLANK L1549297-05	9
Qc: Quality Control Summary	10
Volatile Organic Compounds (GC) by Method NWTPHGX	10
Volatile Organic Compounds (GC/MS) by Method 524.2	11
Volatile Organic Compounds (GC/MS) by Method 8260D	14
Gl: Glossary of Terms	15
Al: Accreditations & Locations	16
Sc: Sample Chain of Custody	17

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

SAMPLE SUMMARY

MCQUARRIE POST L1549297-01 GW

Collected by
Sarah Kingery

Collected date/time
10/20/22 09:51

Received date/time
10/21/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1948052	1	10/24/22 15:27	10/24/22 15:27	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG1947692	1	10/23/22 19:20	10/23/22 19:20	DWR	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MCQUARRIE MID 2 L1549297-02 GW

Collected by
Sarah Kingery

Collected date/time
10/20/22 10:03

Received date/time
10/21/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1948052	1	10/24/22 15:49	10/24/22 15:49	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1948226	1	10/24/22 19:28	10/24/22 19:28	MGF	Mt. Juliet, TN

MCQUARRIE PRE L1549297-03 GW

Collected by
Sarah Kingery

Collected date/time
10/20/22 10:17

Received date/time
10/21/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1948052	1	10/24/22 16:11	10/24/22 16:11	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1948226	10	10/25/22 13:33	10/25/22 13:33	MGF	Mt. Juliet, TN

MCQUARRIE DUP L1549297-04 GW

Collected by
Sarah Kingery

Collected date/time
10/20/22 10:27

Received date/time
10/21/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1948052	1	10/24/22 16:33	10/24/22 16:33	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1948226	10	10/25/22 13:53	10/25/22 13:53	MGF	Mt. Juliet, TN

TRIP BLANK L1549297-05 GW

Collected by
Sarah Kingery

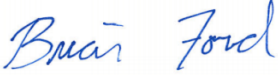
Collected date/time
10/20/22 00:00

Received date/time
10/21/22 09:00

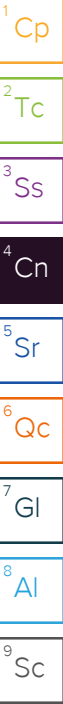
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1948226	1	10/24/22 16:44	10/24/22 16:44	MGF	Mt. Juliet, TN

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



MCQUARRIE POST

Collected date/time: 10/20/22 09:51

SAMPLE RESULTS - 01

L1549297

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	35.6	B J	31.6	100	1	10/24/2022 15:27	WG1948052
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120		10/24/2022 15:27	WG1948052

Volatile Organic Compounds (GC/MS) by Method 524.2/8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0490	0.500	1	10/23/2022 19:20	WG1947692
Carbon tetrachloride	U		0.0660	0.500	1	10/23/2022 19:20	WG1947692
1,4-Dichlorobenzene	U		0.0310	0.500	1	10/23/2022 19:20	WG1947692
1,2-Dichloroethane	U		0.0498	0.500	1	10/23/2022 19:20	WG1947692
1,1-Dichloroethene	U		0.0540	0.500	1	10/23/2022 19:20	WG1947692
1,1,1-Trichloroethane	U		0.0490	0.500	1	10/23/2022 19:20	WG1947692
Trichloroethene	U		0.0440	0.500	1	10/23/2022 19:20	WG1947692
Vinyl chloride	U		0.0260	0.500	1	10/23/2022 19:20	WG1947692
1,2,4-Trichlorobenzene	U		0.0530	0.500	1	10/23/2022 19:20	WG1947692
cis-1,2-Dichloroethene	U		0.0640	0.500	1	10/23/2022 19:20	WG1947692
Xylenes, Total	U		0.340	0.500	1	10/23/2022 19:20	WG1947692
Methylene chloride	U		0.0608	0.500	1	10/23/2022 19:20	WG1947692
1,2-Dichlorobenzene	U		0.0410	0.500	1	10/23/2022 19:20	WG1947692
trans-1,2-Dichloroethene	U		0.100	0.500	1	10/23/2022 19:20	WG1947692
1,2-Dichloropropane	U		0.0270	0.500	1	10/23/2022 19:20	WG1947692
1,1,2-Trichloroethane	U		0.0701	0.500	1	10/23/2022 19:20	WG1947692
Tetrachloroethene	U		0.0790	0.500	1	10/23/2022 19:20	WG1947692
Chlorobenzene	U		0.0370	0.500	1	10/23/2022 19:20	WG1947692
Toluene	U		0.412	0.500	1	10/23/2022 19:20	WG1947692
Ethylbenzene	U		0.0440	0.500	1	10/23/2022 19:20	WG1947692
Styrene	U		0.0360	0.500	1	10/23/2022 19:20	WG1947692
Bromobenzene	U		0.0490	0.500	1	10/23/2022 19:20	WG1947692
Bromodichloromethane	U		0.0810	0.500	1	10/23/2022 19:20	WG1947692
Bromoform	U		0.0800	0.500	1	10/23/2022 19:20	WG1947692
Bromomethane	U		0.0790	1.00	1	10/23/2022 19:20	WG1947692
Chlorodibromomethane	U		0.0930	0.500	1	10/23/2022 19:20	WG1947692
Chloroethane	U		0.190	0.500	1	10/23/2022 19:20	WG1947692
Chloroform	U		0.0800	0.500	1	10/23/2022 19:20	WG1947692
Chloromethane	U		0.0290	0.500	1	10/23/2022 19:20	WG1947692
2-Chlorotoluene	U		0.0480	0.500	1	10/23/2022 19:20	WG1947692
4-Chlorotoluene	U		0.0550	0.500	1	10/23/2022 19:20	WG1947692
Dibromomethane	U		0.0700	0.500	1	10/23/2022 19:20	WG1947692
1,3-Dichlorobenzene	U		0.0360	0.500	1	10/23/2022 19:20	WG1947692
1,1-Dichloroethane	U		0.0240	0.500	1	10/23/2022 19:20	WG1947692
1,3-Dichloropropane	U		0.0230	0.500	1	10/23/2022 19:20	WG1947692
2,2-Dichloropropane	U		0.0680	0.500	1	10/23/2022 19:20	WG1947692
1,1-Dichloropropene	U		0.0450	0.500	1	10/23/2022 19:20	WG1947692
1,3-Dichloropropene	U		0.150	0.500	1	10/23/2022 19:20	WG1947692
1,1,1,2-Tetrachloroethane	U		0.0700	0.500	1	10/23/2022 19:20	WG1947692
1,1,2,2-Tetrachloroethane	U		0.0790	0.500	1	10/23/2022 19:20	WG1947692
1,2,3-Trichloropropane	U		0.0720	0.500	1	10/23/2022 19:20	WG1947692
Methyl tert-butyl ether	U		0.0530	0.500	1	10/23/2022 19:20	WG1947692
Naphthalene	U		0.110	0.500	1	10/23/2022 19:20	WG1947692
1,2-Dibromoethane	U		0.210	0.500	1	10/23/2022 19:20	WG1947692
Isopropylbenzene	U		0.0410	0.500	1	10/23/2022 19:20	WG1947692
1,2,4-Trimethylbenzene	U		0.0430	0.500	1	10/23/2022 19:20	WG1947692
1,3,5-Trimethylbenzene	U		0.0430	0.500	1	10/23/2022 19:20	WG1947692

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ACCOUNT:

Oregon Dept. of Env. Quality - ODEQ

PROJECT:

310200

SDG:

L1549297

DATE/TIME:

10/25/22 16:30

PAGE:

5 of 17

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	10/24/2022 15:49	WG1948052
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120		10/24/2022 15:49	WG1948052

Volatile Organic Compounds (GC/MS) by Method 524.2/8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/24/2022 19:28	WG1948226
Ethylbenzene	U		0.137	1.00	1	10/24/2022 19:28	WG1948226
Toluene	U		0.278	1.00	1	10/24/2022 19:28	WG1948226
Xylenes, Total	U		0.174	3.00	1	10/24/2022 19:28	WG1948226
Methyl tert-butyl ether	U		0.101	1.00	1	10/24/2022 19:28	WG1948226
Naphthalene	U		1.00	5.00	1	10/24/2022 19:28	WG1948226
1,2-Dibromoethane	U		0.126	1.00	1	10/24/2022 19:28	WG1948226
1,2-Dichloroethane	U		0.0819	1.00	1	10/24/2022 19:28	WG1948226
Isopropylbenzene	U		0.105	1.00	1	10/24/2022 19:28	WG1948226
n-Propylbenzene	U		0.0993	1.00	1	10/24/2022 19:28	WG1948226
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/24/2022 19:28	WG1948226
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/24/2022 19:28	WG1948226
(S) Toluene-d8	102			80.0-120		10/24/2022 19:28	WG1948226
(S) 4-Bromofluorobenzene	97.0			77.0-126		10/24/2022 19:28	WG1948226
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		10/24/2022 19:28	WG1948226

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	508		31.6	100	1	10/24/2022 16:11	WG1948052
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		10/24/2022 16:11	WG1948052

Volatile Organic Compounds (GC/MS) by Method 524.2/8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	201		0.941	10.0	10	10/25/2022 13:33	WG1948226
Ethylbenzene	5.75	<u>J</u>	1.37	10.0	10	10/25/2022 13:33	WG1948226
Toluene	U		2.78	10.0	10	10/25/2022 13:33	WG1948226
Xylenes, Total	3.56	<u>J</u>	1.74	30.0	10	10/25/2022 13:33	WG1948226
Methyl tert-butyl ether	U		1.01	10.0	10	10/25/2022 13:33	WG1948226
Naphthalene	U	<u>C3</u>	10.0	50.0	10	10/25/2022 13:33	WG1948226
1,2-Dibromoethane	U		1.26	10.0	10	10/25/2022 13:33	WG1948226
1,2-Dichloroethane	U		0.819	10.0	10	10/25/2022 13:33	WG1948226
Isopropylbenzene	2.76	<u>J</u>	1.05	10.0	10	10/25/2022 13:33	WG1948226
n-Propylbenzene	2.72	<u>J</u>	0.993	10.0	10	10/25/2022 13:33	WG1948226
1,2,4-Trimethylbenzene	U		3.22	10.0	10	10/25/2022 13:33	WG1948226
1,3,5-Trimethylbenzene	U		1.04	10.0	10	10/25/2022 13:33	WG1948226
(S) Toluene-d8	106			80.0-120		10/25/2022 13:33	WG1948226
(S) 4-Bromofluorobenzene	99.9			77.0-126		10/25/2022 13:33	WG1948226
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/25/2022 13:33	WG1948226

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	524		31.6	100	1	10/24/2022 16:33	WG1948052
(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120		10/24/2022 16:33	WG1948052

Volatile Organic Compounds (GC/MS) by Method 524.2/8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	200		0.941	10.0	10	10/25/2022 13:53	WG1948226
Ethylbenzene	5.54	<u>J</u>	1.37	10.0	10	10/25/2022 13:53	WG1948226
Toluene	U		2.78	10.0	10	10/25/2022 13:53	WG1948226
Xylenes, Total	U		1.74	30.0	10	10/25/2022 13:53	WG1948226
Methyl tert-butyl ether	U		1.01	10.0	10	10/25/2022 13:53	WG1948226
Naphthalene	U	<u>C3</u>	10.0	50.0	10	10/25/2022 13:53	WG1948226
1,2-Dibromoethane	U		1.26	10.0	10	10/25/2022 13:53	WG1948226
1,2-Dichloroethane	U		0.819	10.0	10	10/25/2022 13:53	WG1948226
Isopropylbenzene	2.47	<u>J</u>	1.05	10.0	10	10/25/2022 13:53	WG1948226
n-Propylbenzene	2.66	<u>J</u>	0.993	10.0	10	10/25/2022 13:53	WG1948226
1,2,4-Trimethylbenzene	U		3.22	10.0	10	10/25/2022 13:53	WG1948226
1,3,5-Trimethylbenzene	U		1.04	10.0	10	10/25/2022 13:53	WG1948226
(S) Toluene-d8	103			80.0-120		10/25/2022 13:53	WG1948226
(S) 4-Bromofluorobenzene	96.7			77.0-126		10/25/2022 13:53	WG1948226
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/25/2022 13:53	WG1948226

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 524.2/8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/24/2022 16:44	WG1948226
Ethylbenzene	U		0.137	1.00	1	10/24/2022 16:44	WG1948226
Toluene	U		0.278	1.00	1	10/24/2022 16:44	WG1948226
Xylenes, Total	U		0.174	3.00	1	10/24/2022 16:44	WG1948226
Methyl tert-butyl ether	U		0.101	1.00	1	10/24/2022 16:44	WG1948226
Naphthalene	U		1.00	5.00	1	10/24/2022 16:44	WG1948226
1,2-Dibromoethane	U		0.126	1.00	1	10/24/2022 16:44	WG1948226
1,2-Dichloroethane	U		0.0819	1.00	1	10/24/2022 16:44	WG1948226
Isopropylbenzene	U		0.105	1.00	1	10/24/2022 16:44	WG1948226
n-Propylbenzene	U		0.0993	1.00	1	10/24/2022 16:44	WG1948226
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/24/2022 16:44	WG1948226
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/24/2022 16:44	WG1948226
(S) Toluene-d8	103			80.0-120		10/24/2022 16:44	WG1948226
(S) 4-Bromofluorobenzene	98.1			77.0-126		10/24/2022 16:44	WG1948226
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		10/24/2022 16:44	WG1948226

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3852343-2 10/24/22 09:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	42.7	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3852343-1 10/24/22 08:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4820	87.6	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			109	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) R3852696-2 10/23/22 17:27

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3852696-2 10/23/22 17:27

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) R3852696-1 10/23/22 16:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.66	113	70.0-130	
Carbon tetrachloride	5.00	5.56	111	70.0-130	
1,4-Dichlorobenzene	5.00	5.56	111	70.0-130	
1,2-Dichloroethane	5.00	5.19	104	70.0-130	
1,1-Dichloroethene	5.00	5.53	111	70.0-130	
1,1,1-Trichloroethane	5.00	5.57	111	70.0-130	
Trichloroethene	5.00	6.09	122	70.0-130	
Vinyl chloride	5.00	5.05	101	70.0-130	
1,2,4-Trichlorobenzene	5.00	5.36	107	70.0-130	
cis-1,2-Dichloroethene	5.00	5.78	116	70.0-130	
Xylenes, Total	15.0	16.2	108	70.0-130	
Methylene chloride	5.00	5.61	112	70.0-130	
1,2-Dichlorobenzene	5.00	5.50	110	70.0-130	
trans-1,2-Dichloroethene	5.00	5.59	112	70.0-130	
1,2-Dichloropropane	5.00	5.55	111	70.0-130	
1,1,2-Trichloroethane	5.00	5.62	112	70.0-130	
Tetrachloroethene	5.00	5.78	116	70.0-130	
Chlorobenzene	5.00	5.83	117	70.0-130	
Toluene	5.00	5.91	118	70.0-130	
Ethylbenzene	5.00	5.91	118	70.0-130	
Styrene	5.00	5.69	114	70.0-130	
Bromobenzene	5.00	5.69	114	70.0-130	
Bromodichloromethane	5.00	5.51	110	70.0-130	
Bromoform	5.00	5.39	108	70.0-130	
Bromomethane	5.00	6.34	127	70.0-130	
Chlorodibromomethane	5.00	5.37	107	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3852696-1 10/23/22 16:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloroethane	5.00	5.75	115	70.0-130	
Chloroform	5.00	5.65	113	70.0-130	
Chloromethane	5.00	5.80	116	70.0-130	
2-Chlorotoluene	5.00	6.07	121	70.0-130	
4-Chlorotoluene	5.00	5.79	116	70.0-130	
Dibromomethane	5.00	5.38	108	70.0-130	
1,3-Dichlorobenzene	5.00	5.71	114	70.0-130	
1,1-Dichloroethane	5.00	5.57	111	70.0-130	
1,3-Dichloropropane	5.00	5.42	108	70.0-130	
2,2-Dichloropropane	5.00	6.11	122	70.0-130	
1,1-Dichloropropene	5.00	5.44	109	70.0-130	
1,3-Dichloropropene	10.0	11.1	111	70.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.51	110	70.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.26	105	70.0-130	
1,2,3-Trichloropropane	5.00	5.49	110	70.0-130	
Methyl tert-butyl ether	5.00	5.13	103	70.0-130	
Naphthalene	5.00	5.07	101	70.0-130	
Isopropylbenzene	5.00	5.27	105	70.0-130	
1,2,4-Trimethylbenzene	5.00	5.36	107	70.0-130	
1,3,5-Trimethylbenzene	5.00	5.87	117	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3852722-3 10/24/22 14:24

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	103			80.0-120
(S) 4-Bromofluorobenzene	98.2			77.0-126
(S) 1,2-Dichloroethane-d4	98.6			70.0-130

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

(LCS) R3852722-1 10/24/22 13:23 • (LCSD) R3852722-2 10/24/22 13:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.13	5.15	103	103	70.0-123			0.389	20
Ethylbenzene	5.00	5.28	5.30	106	106	79.0-123			0.378	20
Toluene	5.00	5.18	5.02	104	100	79.0-120			3.14	20
Xylenes, Total	15.0	15.7	15.5	105	103	79.0-123			1.28	20
Methyl tert-butyl ether	5.00	5.41	5.40	108	108	68.0-125			0.185	20
Naphthalene	5.00	5.29	5.79	106	116	54.0-135			9.03	20
1,2-Dibromoethane	5.00	5.36	5.16	107	103	80.0-122			3.80	20
1,2-Dichloroethane	5.00	5.24	5.29	105	106	70.0-128			0.950	20
Isopropylbenzene	5.00	5.30	5.22	106	104	76.0-127			1.52	20
n-Propylbenzene	5.00	5.18	5.49	104	110	77.0-124			5.81	20
1,2,4-Trimethylbenzene	5.00	5.10	5.51	102	110	76.0-121			7.73	20
1,3,5-Trimethylbenzene	5.00	5.18	5.60	104	112	76.0-122			7.79	20
(S) Toluene-d8				102	101	80.0-120				
(S) 4-Bromofluorobenzene				100	96.6	77.0-126				
(S) 1,2-Dichloroethane-d4				100	101	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

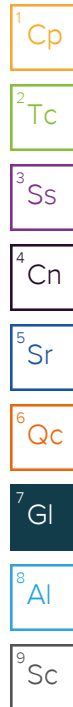
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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



ACCREDITATIONS & LOCATIONS

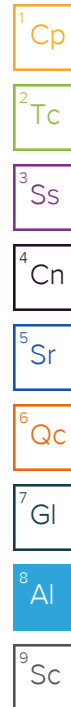
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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								H182				
				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	10-20-2022 9:51	W	6	X		X									L1849297 -01 -02 Tank removed Temporarily -83 -84 -05	
McQuarrie Mid 2	10:03	W	6	X	X											
McQuarrie Mid 1		W	6	X	X											
McQuarrie Pre	10:17	W	6	X	X											
McQuarrie Duplicate	10:17	W	6	X	X											
Trip Blank		W	138		X											

Tr 5882 7553 8821

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	1.0+1.0 = 1.0
RAD Screen <0.5 mR/hr: ☒ Y ☐ N	

Notes: *Please report RBDM VOCs for the 8260C analysis.
Please email results to Anthony.chavez@deq.oregon.gov

Relinquished By: Sarah Kingery	Agency/Agent: OR-DEQ	Received By: <i>Sfmoreland</i>	Agency/Agent:
Signature: <i>Sarah Kingery</i>	Time & Date: 10:39 10-20-2022	Signature: <i>Sfmoreland</i>	Time & Date: 10/21/22 0900
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

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