

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1707575

Samples Received: 01/31/2024

Project Number: 2060 012 007

Description: American Market

Report To: Ellen Woods

700 NE Multnomah St. #600

Portland, OR 97124

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	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
TRIP L1707575-01	5	
Qc: Quality Control Summary	7	⁴ Cn
Volatile Organic Compounds (GC/MS) by Method 8260D	7	⁵ Sr
Gl: Glossary of Terms	11	
Al: Accreditations & Locations	12	⁶ Qc
Sc: Sample Chain of Custody	13	⁷ Gl
		⁸ Al
		⁹ Sc

SAMPLE SUMMARY

TRIP L1707575-01 GW

Collected by	Collected date/time
B.W. / R.K.	01/29/24 00:00

Collected date/time	Received date/time
01/29/24 00:00	01/31/24 09:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2232271	1	02/23/24 05:04	02/23/24 05:04	JCP	Mt. Juliet, TN

 ${}^1\text{Cp}$ ${}^2\text{Tc}$

³Ss

$$^4\text{Cn}$$
 ${}^5\text{Sr}$
$${}^6\text{Qc}$$

7	Gl
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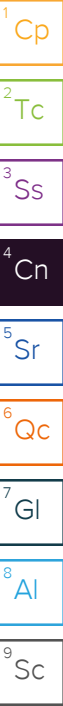
 ${}^8\text{Al}$
$$^9\text{Sc}$$

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



TRIP

Collected date/time: 01/29/24 00:00

SAMPLE RESULTS - 01

L1707575

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	J3 J4	11.3	50.0	1	02/23/2024 05:04	WG2232271
Acrolein	U	C3	2.54	50.0	1	02/23/2024 05:04	WG2232271
Acrylonitrile	U		0.671	10.0	1	02/23/2024 05:04	WG2232271
Benzene	U		0.0941	1.00	1	02/23/2024 05:04	WG2232271
Bromobenzene	U		0.118	1.00	1	02/23/2024 05:04	WG2232271
Bromodichloromethane	U		0.136	1.00	1	02/23/2024 05:04	WG2232271
Bromoform	U		0.129	1.00	1	02/23/2024 05:04	WG2232271
Bromomethane	U		0.605	5.00	1	02/23/2024 05:04	WG2232271
n-Butylbenzene	U		0.157	1.00	1	02/23/2024 05:04	WG2232271
sec-Butylbenzene	U		0.125	1.00	1	02/23/2024 05:04	WG2232271
tert-Butylbenzene	U		0.127	1.00	1	02/23/2024 05:04	WG2232271
Carbon disulfide	U		0.0962	1.00	1	02/23/2024 05:04	WG2232271
Carbon tetrachloride	U		0.128	1.00	1	02/23/2024 05:04	WG2232271
Chlorobenzene	U		0.116	1.00	1	02/23/2024 05:04	WG2232271
Chlorodibromomethane	U		0.140	1.00	1	02/23/2024 05:04	WG2232271
Chloroethane	U		0.192	5.00	1	02/23/2024 05:04	WG2232271
Chloroform	U		0.111	5.00	1	02/23/2024 05:04	WG2232271
Chloromethane	U		0.960	2.50	1	02/23/2024 05:04	WG2232271
2-Chlorotoluene	U		0.106	1.00	1	02/23/2024 05:04	WG2232271
4-Chlorotoluene	U		0.114	1.00	1	02/23/2024 05:04	WG2232271
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/23/2024 05:04	WG2232271
1,2-Dibromoethane	U		0.126	1.00	1	02/23/2024 05:04	WG2232271
Dibromomethane	U		0.122	1.00	1	02/23/2024 05:04	WG2232271
1,2-Dichlorobenzene	U		0.107	1.00	1	02/23/2024 05:04	WG2232271
1,3-Dichlorobenzene	U		0.110	1.00	1	02/23/2024 05:04	WG2232271
1,4-Dichlorobenzene	U		0.120	1.00	1	02/23/2024 05:04	WG2232271
Dichlorodifluoromethane	U		0.374	5.00	1	02/23/2024 05:04	WG2232271
1,1-Dichloroethane	U		0.100	1.00	1	02/23/2024 05:04	WG2232271
1,2-Dichloroethane	U		0.0819	1.00	1	02/23/2024 05:04	WG2232271
1,1-Dichloroethene	U		0.188	1.00	1	02/23/2024 05:04	WG2232271
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/23/2024 05:04	WG2232271
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/23/2024 05:04	WG2232271
1,2-Dichloropropane	U		0.149	1.00	1	02/23/2024 05:04	WG2232271
1,1-Dichloropropene	U		0.142	1.00	1	02/23/2024 05:04	WG2232271
1,3-Dichloropropane	U		0.110	1.00	1	02/23/2024 05:04	WG2232271
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/23/2024 05:04	WG2232271
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/23/2024 05:04	WG2232271
2,2-Dichloropropane	U		0.161	1.00	1	02/23/2024 05:04	WG2232271
Di-isopropyl ether	U	C3	0.105	1.00	1	02/23/2024 05:04	WG2232271
Ethylbenzene	U		0.137	1.00	1	02/23/2024 05:04	WG2232271
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/23/2024 05:04	WG2232271
Isopropylbenzene	U		0.105	1.00	1	02/23/2024 05:04	WG2232271
p-Isopropyltoluene	U		0.120	1.00	1	02/23/2024 05:04	WG2232271
2-Butanone (MEK)	U		1.19	10.0	1	02/23/2024 05:04	WG2232271
Methylene Chloride	U		0.430	5.00	1	02/23/2024 05:04	WG2232271
4-Methyl-2-pentanone (MIBK)	U	C3	0.478	10.0	1	02/23/2024 05:04	WG2232271
Methyl tert-butyl ether	U		0.101	1.00	1	02/23/2024 05:04	WG2232271
Naphthalene	U	C3	1.00	5.00	1	02/23/2024 05:04	WG2232271
n-Propylbenzene	U	C3	0.0993	1.00	1	02/23/2024 05:04	WG2232271
Styrene	U		0.118	1.00	1	02/23/2024 05:04	WG2232271
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/23/2024 05:04	WG2232271
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	02/23/2024 05:04	WG2232271
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/23/2024 05:04	WG2232271
Tetrachloroethene	U	J4	0.300	1.00	1	02/23/2024 05:04	WG2232271
Toluene	U		0.278	1.00	1	02/23/2024 05:04	WG2232271
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/23/2024 05:04	WG2232271

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:

2060 012 007

SDG:

L1707575

DATE/TIME:

02/23/24 14:35

PAGE:

5 of 15

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	02/23/2024 05:04	WG2232271
1,1,1-Trichloroethane	U		0.149	1.00	1	02/23/2024 05:04	WG2232271
1,1,2-Trichloroethane	U		0.158	1.00	1	02/23/2024 05:04	WG2232271
Trichloroethene	U		0.190	1.00	1	02/23/2024 05:04	WG2232271
Trichlorofluoromethane	U		0.160	5.00	1	02/23/2024 05:04	WG2232271
1,2,3-Trichloropropane	U		0.237	2.50	1	02/23/2024 05:04	WG2232271
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/23/2024 05:04	WG2232271
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/23/2024 05:04	WG2232271
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/23/2024 05:04	WG2232271
Vinyl chloride	U		0.234	1.00	1	02/23/2024 05:04	WG2232271
Xylenes, Total	U		0.174	3.00	1	02/23/2024 05:04	WG2232271
(S) Toluene-d8	106			80.0-120		02/23/2024 05:04	WG2232271
(S) 4-Bromofluorobenzene	103			77.0-126		02/23/2024 05:04	WG2232271
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/23/2024 05:04	WG2232271

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4037482-2 02/22/24 22:59

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

1
Cp

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Method Blank (MB)

(MB) R4037482-2 02/22/24 22:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	105			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	112			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4037482-1 02/22/24 21:33 • (LCSD) R4037482-3 02/22/24 23:21

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 %
Acetone	25.0	31.6	43.5	126	174	19.0-160		J3 J4	31.7	27
Acrolein	25.0	17.9	20.3	71.6	81.2	10.0-160			12.6	26
Acrylonitrile	25.0	23.0	23.3	92.0	93.2	55.0-149			1.30	20

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

(LCS) R4037482-1 02/22/24 21:33 • (LCSD) R4037482-3 02/22/24 23:21

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	4.59	4.65	91.8	93.0	70.0-123			1.30	20
Bromobenzene	5.00	3.99	4.03	79.8	80.6	73.0-121			0.998	20
Bromodichloromethane	5.00	4.97	5.05	99.4	101	75.0-120			1.60	20
Bromoform	5.00	6.05	6.12	121	122	68.0-132			1.15	20
Bromomethane	5.00	5.00	5.07	100	101	10.0-160			1.39	25
n-Butylbenzene	5.00	4.15	4.37	83.0	87.4	73.0-125			5.16	20
sec-Butylbenzene	5.00	4.06	4.17	81.2	83.4	75.0-125			2.67	20
tert-Butylbenzene	5.00	4.34	4.45	86.8	89.0	76.0-124			2.50	20
Carbon disulfide	5.00	4.70	4.65	94.0	93.0	61.0-128			1.07	20
Carbon tetrachloride	5.00	5.96	6.17	119	123	68.0-126			3.46	20
Chlorobenzene	5.00	5.37	5.55	107	111	80.0-121			3.30	20
Chlorodibromomethane	5.00	5.72	5.82	114	116	77.0-125			1.73	20
Chloroethane	5.00	4.60	4.49	92.0	89.8	47.0-150			2.42	20
Chloroform	5.00	5.01	5.14	100	103	73.0-120			2.56	20
Chloromethane	5.00	4.77	4.34	95.4	86.8	41.0-142			9.44	20
2-Chlorotoluene	5.00	4.11	4.13	82.2	82.6	76.0-123			0.485	20
4-Chlorotoluene	5.00	4.09	4.06	81.8	81.2	75.0-122			0.736	20
1,2-Dibromo-3-Chloropropane	5.00	3.84	4.36	76.8	87.2	58.0-134			12.7	20
1,2-Dibromoethane	5.00	5.33	5.36	107	107	80.0-122			0.561	20
Dibromomethane	5.00	5.09	5.25	102	105	80.0-120			3.09	20
1,2-Dichlorobenzene	5.00	4.64	4.61	92.8	92.2	79.0-121			0.649	20
1,3-Dichlorobenzene	5.00	4.71	4.92	94.2	98.4	79.0-120			4.36	20
1,4-Dichlorobenzene	5.00	4.81	4.80	96.2	96.0	79.0-120			0.208	20
Dichlorodifluoromethane	5.00	7.03	6.83	141	137	51.0-149			2.89	20
1,1-Dichloroethane	5.00	4.62	4.52	92.4	90.4	70.0-126			2.19	20
1,2-Dichloroethane	5.00	5.51	5.46	110	109	70.0-128			0.912	20
1,1-Dichloroethene	5.00	5.20	5.03	104	101	71.0-124			3.32	20
cis-1,2-Dichloroethene	5.00	4.96	4.99	99.2	99.8	73.0-120			0.603	20
trans-1,2-Dichloroethene	5.00	5.08	5.28	102	106	73.0-120			3.86	20
1,2-Dichloropropane	5.00	4.35	4.21	87.0	84.2	77.0-125			3.27	20
1,1-Dichloropropene	5.00	4.75	4.83	95.0	96.6	74.0-126			1.67	20
1,3-Dichloropropane	5.00	4.69	4.82	93.8	96.4	80.0-120			2.73	20
cis-1,3-Dichloropropene	5.00	4.50	4.49	90.0	89.8	80.0-123			0.222	20
trans-1,3-Dichloropropene	5.00	4.58	4.71	91.6	94.2	78.0-124			2.80	20
2,2-Dichloropropane	5.00	4.47	5.26	89.4	105	58.0-130			16.2	20
Di-isopropyl ether	5.00	3.85	3.89	77.0	77.8	58.0-138			1.03	20
Ethylbenzene	5.00	5.19	5.36	104	107	79.0-123			3.22	20
Hexachloro-1,3-butadiene	5.00	4.47	5.26	89.4	105	54.0-138			16.2	20
Isopropylbenzene	5.00	5.12	5.27	102	105	76.0-127			2.89	20
p-Isopropyltoluene	5.00	4.23	4.35	84.6	87.0	76.0-125			2.80	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4037482-1 02/22/24 21:33 • (LCSD) R4037482-3 02/22/24 23:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	21.3	23.2	85.2	92.8	44.0-160			8.54	20
Methylene Chloride	5.00	4.89	4.78	97.8	95.6	67.0-120			2.28	20
4-Methyl-2-pentanone (MIBK)	25.0	19.3	20.4	77.2	81.6	68.0-142			5.54	20
Methyl tert-butyl ether	5.00	4.80	4.89	96.0	97.8	68.0-125			1.86	20
Naphthalene	5.00	3.16	3.26	63.2	65.2	54.0-135			3.12	20
n-Propylbenzene	5.00	3.96	4.05	79.2	81.0	77.0-124			2.25	20
Styrene	5.00	4.84	5.04	96.8	101	73.0-130			4.05	20
1,1,1,2-Tetrachloroethane	5.00	5.57	5.82	111	116	75.0-125			4.39	20
1,1,2,2-Tetrachloroethane	5.00	3.57	3.88	71.4	77.6	65.0-130			8.32	20
1,1,2-Trichlorotrifluoroethane	5.00	5.43	5.79	109	116	69.0-132			6.42	20
Tetrachloroethene	5.00	6.24	6.63	125	133	72.0-132		J4	6.06	20
Toluene	5.00	4.87	5.05	97.4	101	79.0-120			3.63	20
1,2,3-Trichlorobenzene	5.00	3.83	4.21	76.6	84.2	50.0-138			9.45	20
1,2,4-Trichlorobenzene	5.00	4.23	4.44	84.6	88.8	57.0-137			4.84	20
1,1,1-Trichloroethane	5.00	5.69	5.89	114	118	73.0-124			3.45	20
1,1,2-Trichloroethane	5.00	4.91	5.10	98.2	102	80.0-120			3.80	20
Trichloroethene	5.00	5.94	5.86	119	117	78.0-124			1.36	20
Trichlorofluoromethane	5.00	6.66	6.84	133	137	59.0-147			2.67	20
1,2,3-Trichloropropane	5.00	4.59	4.91	91.8	98.2	73.0-130			6.74	20
1,2,4-Trimethylbenzene	5.00	4.11	4.21	82.2	84.2	76.0-121			2.40	20
1,2,3-Trimethylbenzene	5.00	4.19	4.27	83.8	85.4	77.0-120			1.89	20
1,3,5-Trimethylbenzene	5.00	4.23	4.39	84.6	87.8	76.0-122			3.71	20
Vinyl chloride	5.00	4.74	4.58	94.8	91.6	67.0-131			3.43	20
Xylenes, Total	15.0	15.3	15.7	102	105	79.0-123			2.58	20
(S) Toluene-d8				104	107	80.0-120				
(S) 4-Bromofluorobenzene				102	103	77.0-126				
(S) 1,2-Dichloroethane-d4				113	112	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

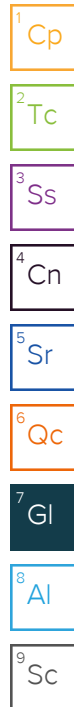
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

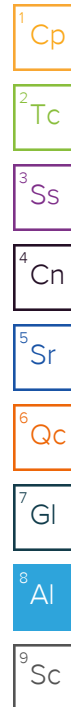
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico 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.



Agency, Authorized Purchaser or Agent:		State of Oregon Chain of Custody		Lab Selection Criteria		Round Time:
GSI Water Solutions for ODEQ		Contract Laboratory Name: Pace Analytical National		Proximity (if TAT < 48 hrs)		10 days (std.)
Send Lab Report To: Ellen Woods		Lab Batch #:		Prior work on same project		5 days
Address: 700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100		Invoice: ODEQ/Business Office 700 NE Multnomah Street, Suite 600 Portland, OR 97232		Cost (for anticipated analyses)		72 hours
Tel #: 541-606-0490		Email: DEQEXP@odeq.state.or.us		Other labs disqualified or unable to perform requested services		48 hours
Email: ellen.woods@odeq.gov, remst@gsiws.com, bwarn@gsiws.com				Emergency work		24 hours
						Other

Project Name: American Market										
Project #: 2060 012 007										
Sampler Name: B. Warner, R. Kemp										

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	Requested Analyses						Comments
					TPH Gasoline by NWTPH-Gx	TPH as Diesel by NWTPH-Dx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Dissolved Pb by EPA 6020B (Field Filtered)	Total Pb by EPA 6020B	
P1-S1	1/29/2024	8:45	S	2	X	X	X	X		X	L1707575
P1-S2	1/29/2024	8:50	S	2	X	X	X	X			
P1-S3	1/29/2024	8:55	S	2							
P1-S4	1/29/2024	9:00	S	2							
P1-S5	1/29/2024	9:05	S	2							
P1-S1 P1	1/29/2024	10:00	W	12	X	X	X	X	X		
P2-S1	1/29/2024	11:00	S	2							
P2-S2	1/29/2024	11:05	S	2							
P2-S3	1/29/2024	11:10	S	2	X	X	X	X		X	
P2-S4	1/29/2024	11:15	S	2							
P2-S5	1/29/2024	11:20	S	2							
P2	1/29/2024	11:15	W	12	X	X	X	X	X		
P3-S1	1/29/2024	12:00	S	2							
P3-S2	1/29/2024	12:05	S	2	X	X	X	X			
P3-S3	1/29/2024	12:10	S	2							

NOTES: Contact Rick Ernst (503.708.5945, remst@qsws.com) or Braedon Warner (208.991.6713) with questions. Include DEQ EDD with final lab report.

Retain non-analyzed samples on hold.

NO
Ban

Relinquished By: <u>PERSON WARNER</u>	Agency/Agent: <u>GS1</u>	Received By: <u>Julian Peter</u>	Agency/Agent: <u>GS1</u>
Signature: <u>[Signature]</u>	Time & Date: <u>1/30/24 11:00</u>	Signature: <u>[Signature]</u>	Time & Date: <u>1/30/24 11:00</u>
Relinquished By: <u>Julian Peter</u>	Agency/Agent: <u>GS1</u>	Received By: <u>Troy Chumley</u>	Agency/Agent: <u></u>
Signature: <u>[Signature]</u>	Time & Date: <u>1/30/24 12:00</u>	Signature: <u>[Signature]</u>	Time & Date: <u>1/31/24 09:12</u>

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1058-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T.S.A.

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace:
Bottles arrive intact: Y N Pres. Correct/Check:
Correct bottles used: Y N
Sufficient volume sent: Y N
RA Screen <0.5 mR/hr: Y N

D IN THE PRICE AGREEMENT ARE

State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent: GSI Water Solutions for ODEQ					Contract Laboratory Name: Pace Analytical National					Lab Selection Criteria: Proximity (if TAT < 48 hrs) Prior work on same project					Turn Around Time: 10 days (std.) 5 days 72 hours 48 hours 24 hours Other _____	
Send Lab Report To: Address: Ellen Woods 700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100 Tel #: 541-606-0490 Email: ellen.woods@deq.or.gov, remist@gsiws.com, bwarnier@gsiws.com					Lab Batch #: Invoice: ODEQ/Business Office 700 NE Multnomah Street, Suite 600 Portland, OR 97232 Email: DEQEXP@deq.state.or.us					Cost (for anticipated analyses) Other labs disqualified or unable to perform requested services Emergency work						
Project Name: American Market					Sample Preservative											
Project #: 2060.012.007																
Sampler Name: B. Warner, R. Kemp																
					Requested Analyses											
Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	TPH Gasoline by NWTPH-Gx	TPH as Diesel by NWTPH-Gx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SM	Dissolved Pb by EPA 8208 (Field Filtered)	Total Pb by EPA 8208					Comments	
P3-S4	11/29/24	1215	S	2											L1700675	
P3-S5	11/29/24	1320	S	2												
P3	11/29/24	1350	W	12	X	X	X	X	X							
P4-S1	11/29/24	1305	S	2	X	X	X	X		X						
P4-S2	11/29/24	1310	S	2												
P4-S3	11/29/24	1315	S	2												
P4-S4	11/29/24	1320	S	2												
P4-S5	11/29/24	1325	S	2												
P4	11/29/24	1500	W	12	X	X	X	X	X							
P5-S1	11/29/24	1430	S	2												
P5-S2	11/29/24	1435	S	2	X	X	X	X								
P5-S3	11/29/24	1430	S	2	X	X	X	X								
P5-S4	11/29/24	1435	S	2												
P5-S5	11/29/24	1440	S	2												
P5	11/29/24	1550	W	12	X	X	X	X								
NOTES: Contact Rick Ernst (503.708.5945, rernst@gsiws.com) or Braedon Warner (208.991.6713) with questions. Include DEQ EDO with final lab report. Retain non-analyzed samples on hold.																
Relinquished By: Braedon Warner					Agency/Agent: GSI					Received By: Julian Peter					Agency/Agent: GSI	
Signature: [Signature]					Time & Date: 11/30/24 11:00					Signature: [Signature]					Time & Date: 1/30/24 11:00	
Relinquished By: Julian Peter					Agency/Agent: GSI					Received By: [Signature]					Agency/Agent: [Signature]	
Signature: [Signature]					Time & Date: 12:00					Signature: [Signature]					Time & Date: 01/31/24 09:30	

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #132-1998-07 AND PRICE AGREEMENT # 8903. 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.

L1700825 OREGONDEQ re-log

R5

Please re-log for TRIP which is a Trip Blank for V8260 as R5 due 02/27.

Time estimate: oh

Time spent: oh

Members

BF Brian Ford