

PO&G Resources - Houston, TX

Sample Delivery Group: L1882968
Samples Received: 07/29/2025
Project Number: HRMU 7
Description: HRMU 7
Site: HRMU 7
Report To: Rick Eggleston
5487 San Felipe Ste 3200
Houston, TX 77057

Entire Report Reviewed By:



Mark W. Beasley
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 National

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SAMPLE SUMMARY

HRMU7BG-48 L1882968-01

Collected by Rick Eggleston Collected date/time 07/26/25 10:56 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:00	08/06/25 15:00	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.992	08/12/25 14:00	08/13/25 20:54	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572372	1	08/04/25 08:20	08/08/25 16:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:14	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 17:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 16:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2570663	1	07/30/25 09:42	08/01/25 02:17	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	1	08/06/25 15:50	08/07/25 02:16	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/06/25 21:57	CMF	Mt. Juliet, TN



HRMU7WH-36 L1882968-02

Collected by Rick Eggleston Collected date/time 07/26/25 11:12 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:03	08/06/25 15:03	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.992	08/12/25 14:00	08/13/25 21:05	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572372	1	08/04/25 08:20	08/08/25 16:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:17	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 17:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 16:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2570663	1	07/30/25 09:42	08/01/25 02:37	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	1	08/06/25 15:50	08/07/25 02:29	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/06/25 22:14	CMF	Mt. Juliet, TN

HRMU7BA1-24 L1882968-03

Collected by Rick Eggleston Collected date/time 07/26/25 11:29 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:06	08/06/25 15:06	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.977	08/12/25 14:00	08/13/25 21:16	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572372	1	08/04/25 08:20	08/08/25 16:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:20	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 17:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 17:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571087	1	07/30/25 09:42	08/02/25 00:20	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	1	08/06/25 15:50	08/07/25 03:09	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/06/25 22:32	CMF	Mt. Juliet, TN

HRMU7BA2-24 L1882968-04

Collected by Rick Eggleston Collected date/time 07/26/25 11:38 Received date/time 07/29/25 09:00

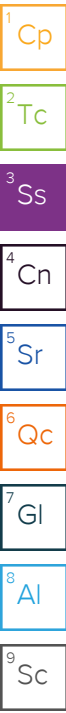
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:08	08/06/25 15:08	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.973	08/12/25 14:00	08/13/25 21:27	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572372	1	08/04/25 08:20	08/08/25 16:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:23	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 18:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 17:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571087	1	07/30/25 09:42	08/02/25 00:40	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

HRMU7BA2-24 L1882968-04

Collected by Rick Eggleston
 Collected date/time 07/26/25 11:38
 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	1	08/06/25 15:50	08/07/25 03:22	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/06/25 22:49	CMF	Mt. Juliet, TN



HRMU70BA1-24 L1882968-05

Collected by Rick Eggleston
 Collected date/time 07/26/25 11:46
 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:11	08/06/25 15:11	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.977	08/12/25 14:00	08/13/25 21:38	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572372	1	08/04/25 08:20	08/08/25 16:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:26	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 17:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 17:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571087	1	07/30/25 09:42	08/02/25 01:00	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	1	08/06/25 15:50	08/07/25 02:43	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/06/25 23:07	CMF	Mt. Juliet, TN

HRMU7SS-12 L1882968-06

Collected by Rick Eggleston
 Collected date/time 07/26/25 11:56
 Received date/time 07/29/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2573484	1	08/06/25 15:14	08/06/25 15:14	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2574366	.962	08/12/25 14:00	08/13/25 22:32	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D	WG2572437	1	08/04/25 09:33	08/07/25 16:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2574350	1	08/06/25 16:59	08/12/25 08:29	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2573493	1	08/06/25 10:55	08/06/25 13:29	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2571973	5	08/03/25 18:05	08/12/25 17:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2570367	25	07/30/25 09:42	08/01/25 18:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2570596	1	07/30/25 09:42	08/01/25 11:14	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2572135	20	08/06/25 15:50	08/07/25 06:12	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2572138	1	08/06/25 15:10	08/07/25 03:10	CMF	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.



Mark W. Beasley
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.583		1	08/06/2025 15:00	WG2573484

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.198	.992	08/13/2025 20:54	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.51	<u>T8</u>	1	08/08/2025 16:50	WG2572372

Sample Narrative:

L1882968-01 WG2572372: 8.51 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	258	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-01 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

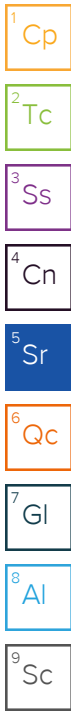
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:14	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.68		0.100	5	08/12/2025 17:24	WG2571973
Barium	264		10.0	5	08/12/2025 17:24	WG2571973
Cadmium	0.179		0.100	5	08/12/2025 17:24	WG2571973
Copper	ND		10.0	5	08/12/2025 17:24	WG2571973
Lead	ND		10.0	5	08/12/2025 17:24	WG2571973
Nickel	11.3		10.0	5	08/12/2025 17:24	WG2571973
Selenium	0.907		0.100	5	08/12/2025 17:24	WG2571973
Silver	ND		0.500	5	08/12/2025 17:24	WG2571973
Zinc	ND		50.0	5	08/12/2025 17:24	WG2571973

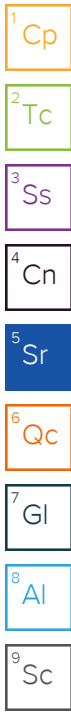
Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 16:26	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	96.3		77.0-120		08/01/2025 16:26	WG2570367



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/01/2025 02:17	WG2570663
Ethylbenzene	ND		0.0100	1	08/01/2025 02:17	WG2570663
Toluene	ND		0.0100	1	08/01/2025 02:17	WG2570663
1,2,4-Trimethylbenzene	ND		0.00500	1	08/01/2025 02:17	WG2570663
1,3,5-Trimethylbenzene	ND		0.00500	1	08/01/2025 02:17	WG2570663
Xylenes, Total	ND		0.100	1	08/01/2025 02:17	WG2570663
(S) Toluene-d8	93.4		75.0-131		08/01/2025 02:17	WG2570663
(S) 4-Bromofluorobenzene	98.8		67.0-138		08/01/2025 02:17	WG2570663
(S) 1,2-Dichloroethane-d4	112		70.0-130		08/01/2025 02:17	WG2570663



Semi-Volatile Organic Compounds (GC) by Method 8015M

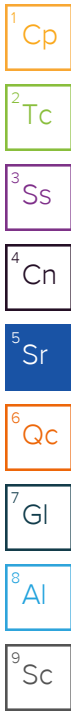
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	08/07/2025 02:16	WG2572135
C28-C36 Motor Oil Range	ND		4.00	1	08/07/2025 02:16	WG2572135
(S) o-Terphenyl	60.5		18.0-148		08/07/2025 02:16	WG2572135

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Acenaphthene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Acenaphthylene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/06/2025 21:57	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Chrysene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Fluoranthene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Fluorene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Naphthalene	ND		0.00300	1	08/06/2025 21:57	WG2572138
Phenanthrene	ND		0.0330	1	08/06/2025 21:57	WG2572138
Pyrene	ND		0.0330	1	08/06/2025 21:57	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/06/2025 21:57	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/06/2025 21:57	WG2572138
(S) p-Terphenyl-d14	64.0		23.0-120		08/06/2025 21:57	WG2572138
(S) Nitrobenzene-d5	69.2		14.0-149		08/06/2025 21:57	WG2572138
(S) 2-Fluorobiphenyl	64.3		34.0-125		08/06/2025 21:57	WG2572138

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.827		1	08/06/2025 15:03	WG2573484



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.198	.992	08/13/2025 21:05	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.32	<u>T8</u>	1	08/08/2025 16:50	WG2572372

Sample Narrative:

L1882968-02 WG2572372: 8.32 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	835	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-02 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:17	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.09		0.100	5	08/12/2025 17:27	WG2571973
Barium	330		10.0	5	08/12/2025 17:27	WG2571973
Cadmium	0.178		0.100	5	08/12/2025 17:27	WG2571973
Copper	ND		10.0	5	08/12/2025 17:27	WG2571973
Lead	ND		10.0	5	08/12/2025 17:27	WG2571973
Nickel	12.1		10.0	5	08/12/2025 17:27	WG2571973
Selenium	0.922		0.100	5	08/12/2025 17:27	WG2571973
Silver	ND		0.500	5	08/12/2025 17:27	WG2571973
Zinc	ND		50.0	5	08/12/2025 17:27	WG2571973

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 16:46	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	96.9		77.0-120		08/01/2025 16:46	WG2570367

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/01/2025 02:37	WG2570663
Ethylbenzene	ND		0.0100	1	08/01/2025 02:37	WG2570663
Toluene	ND		0.0100	1	08/01/2025 02:37	WG2570663
1,2,4-Trimethylbenzene	ND		0.00500	1	08/01/2025 02:37	WG2570663
1,3,5-Trimethylbenzene	ND		0.00500	1	08/01/2025 02:37	WG2570663
Xylenes, Total	ND		0.100	1	08/01/2025 02:37	WG2570663
(S) Toluene-d8	96.0		75.0-131		08/01/2025 02:37	WG2570663
(S) 4-Bromofluorobenzene	101		67.0-138		08/01/2025 02:37	WG2570663
(S) 1,2-Dichloroethane-d4	109		70.0-130		08/01/2025 02:37	WG2570663

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

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	08/07/2025 02:29	WG2572135
C28-C36 Motor Oil Range	4.11	B	4.00	1	08/07/2025 02:29	WG2572135
(S) o-Terphenyl	66.5		18.0-148		08/07/2025 02:29	WG2572135

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Acenaphthene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Acenaphthylene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/06/2025 22:14	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Chrysene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Fluoranthene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Fluorene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Naphthalene	ND		0.00300	1	08/06/2025 22:14	WG2572138
Phenanthrene	ND		0.0330	1	08/06/2025 22:14	WG2572138
Pyrene	ND		0.0330	1	08/06/2025 22:14	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/06/2025 22:14	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/06/2025 22:14	WG2572138
(S) p-Terphenyl-d14	67.7		23.0-120		08/06/2025 22:14	WG2572138
(S) Nitrobenzene-d5	73.0		14.0-149		08/06/2025 22:14	WG2572138
(S) 2-Fluorobiphenyl	68.4		34.0-125		08/06/2025 22:14	WG2572138

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.165		1	08/06/2025 15:06	WG2573484

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

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.195	.977	08/13/2025 21:16	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.18	<u>T8</u>	1	08/08/2025 16:50	WG2572372

Sample Narrative:

L1882968-03 WG2572372: 8.18 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	295	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-03 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:20	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.85		0.100	5	08/12/2025 17:31	WG2571973
Barium	260		10.0	5	08/12/2025 17:31	WG2571973
Cadmium	0.203		0.100	5	08/12/2025 17:31	WG2571973
Copper	10.1		10.0	5	08/12/2025 17:31	WG2571973
Lead	ND		10.0	5	08/12/2025 17:31	WG2571973
Nickel	11.9		10.0	5	08/12/2025 17:31	WG2571973
Selenium	0.927		0.100	5	08/12/2025 17:31	WG2571973
Silver	ND		0.500	5	08/12/2025 17:31	WG2571973
Zinc	ND		50.0	5	08/12/2025 17:31	WG2571973

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 17:05	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	96.5		77.0-120		08/01/2025 17:05	WG2570367

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/02/2025 00:20	WG2571087
Ethylbenzene	ND		0.0100	1	08/02/2025 00:20	WG2571087
Toluene	ND		0.0100	1	08/02/2025 00:20	WG2571087
1,2,4-Trimethylbenzene	ND		0.00500	1	08/02/2025 00:20	WG2571087
1,3,5-Trimethylbenzene	ND		0.00500	1	08/02/2025 00:20	WG2571087
Xylenes, Total	ND		0.100	1	08/02/2025 00:20	WG2571087
(S) Toluene-d8	103		75.0-131		08/02/2025 00:20	WG2571087
(S) 4-Bromofluorobenzene	103		67.0-138		08/02/2025 00:20	WG2571087
(S) 1,2-Dichloroethane-d4	106		70.0-130		08/02/2025 00:20	WG2571087

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	08/07/2025 03:09	WG2572135
C28-C36 Motor Oil Range	6.58	B	4.00	1	08/07/2025 03:09	WG2572135
(S) o-Terphenyl	72.9		18.0-148		08/07/2025 03:09	WG2572135

6 Qc

7 Gl

8 Al

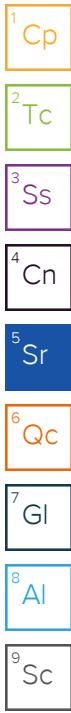
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Acenaphthene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Acenaphthylene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/06/2025 22:32	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Chrysene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Fluoranthene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Fluorene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Naphthalene	ND		0.00300	1	08/06/2025 22:32	WG2572138
Phenanthrene	ND		0.0330	1	08/06/2025 22:32	WG2572138
Pyrene	ND		0.0330	1	08/06/2025 22:32	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/06/2025 22:32	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/06/2025 22:32	WG2572138
(S) p-Terphenyl-d14	69.7		23.0-120		08/06/2025 22:32	WG2572138
(S) Nitrobenzene-d5	76.4		14.0-149		08/06/2025 22:32	WG2572138
(S) 2-Fluorobiphenyl	70.3		34.0-125		08/06/2025 22:32	WG2572138

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.187		1	08/06/2025 15:08	WG2573484



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.195	.973	08/13/2025 21:27	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.18	<u>T8</u>	1	08/08/2025 16:50	WG2572372

Sample Narrative:

L1882968-04 WG2572372: 8.18 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	285	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-04 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:23	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.17		0.100	5	08/12/2025 18:08	WG2571973
Barium	347		10.0	5	08/12/2025 18:08	WG2571973
Cadmium	0.195		0.100	5	08/12/2025 18:08	WG2571973
Copper	10.1		10.0	5	08/12/2025 18:08	WG2571973
Lead	ND		10.0	5	08/12/2025 18:08	WG2571973
Nickel	12.5		10.0	5	08/12/2025 18:08	WG2571973
Selenium	0.894		0.100	5	08/12/2025 18:08	WG2571973
Silver	ND		0.500	5	08/12/2025 18:08	WG2571973
Zinc	ND		50.0	5	08/12/2025 18:08	WG2571973

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 17:25	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	96.3		77.0-120		08/01/2025 17:25	WG2570367

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/02/2025 00:40	WG2571087
Ethylbenzene	ND		0.0100	1	08/02/2025 00:40	WG2571087
Toluene	ND		0.0100	1	08/02/2025 00:40	WG2571087
1,2,4-Trimethylbenzene	ND		0.00500	1	08/02/2025 00:40	WG2571087
1,3,5-Trimethylbenzene	ND		0.00500	1	08/02/2025 00:40	WG2571087
Xylenes, Total	ND		0.100	1	08/02/2025 00:40	WG2571087
(S) Toluene-d8	103		75.0-131		08/02/2025 00:40	WG2571087
(S) 4-Bromofluorobenzene	101		67.0-138		08/02/2025 00:40	WG2571087
(S) 1,2-Dichloroethane-d4	104		70.0-130		08/02/2025 00:40	WG2571087

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

Semi-Volatile Organic Compounds (GC) by Method 8015M

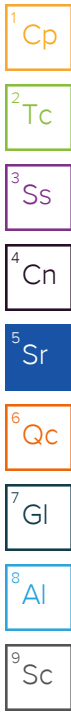
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	08/07/2025 03:22	WG2572135
C28-C36 Motor Oil Range	4.42	B	4.00	1	08/07/2025 03:22	WG2572135
(S) o-Terphenyl	54.7		18.0-148		08/07/2025 03:22	WG2572135

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Acenaphthene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Acenaphthylene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/06/2025 22:49	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Chrysene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Fluoranthene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Fluorene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Naphthalene	ND		0.00300	1	08/06/2025 22:49	WG2572138
Phenanthrene	ND		0.0330	1	08/06/2025 22:49	WG2572138
Pyrene	ND		0.0330	1	08/06/2025 22:49	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/06/2025 22:49	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/06/2025 22:49	WG2572138
(S) p-Terphenyl-d14	65.8		23.0-120		08/06/2025 22:49	WG2572138
(S) Nitrobenzene-d5	70.2		14.0-149		08/06/2025 22:49	WG2572138
(S) 2-Fluorobiphenyl	66.5		34.0-125		08/06/2025 22:49	WG2572138

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.88		1	08/06/2025 15:11	WG2573484



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.195	.977	08/13/2025 21:38	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.20	<u>T8</u>	1	08/08/2025 16:50	WG2572372

Sample Narrative:

L1882968-05 WG2572372: 8.2 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	778	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-05 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:26	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.10		0.100	5	08/12/2025 17:37	WG2571973
Barium	214		10.0	5	08/12/2025 17:37	WG2571973
Cadmium	0.416		0.100	5	08/12/2025 17:37	WG2571973
Copper	10.5		10.0	5	08/12/2025 17:37	WG2571973
Lead	ND		10.0	5	08/12/2025 17:37	WG2571973
Nickel	12.7		10.0	5	08/12/2025 17:37	WG2571973
Selenium	0.799		0.100	5	08/12/2025 17:37	WG2571973
Silver	ND		0.500	5	08/12/2025 17:37	WG2571973
Zinc	ND		50.0	5	08/12/2025 17:37	WG2571973

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 17:44	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	95.3		77.0-120		08/01/2025 17:44	WG2570367

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/02/2025 01:00	WG2571087
Ethylbenzene	ND		0.0100	1	08/02/2025 01:00	WG2571087
Toluene	ND		0.0100	1	08/02/2025 01:00	WG2571087
1,2,4-Trimethylbenzene	ND		0.00500	1	08/02/2025 01:00	WG2571087
1,3,5-Trimethylbenzene	ND		0.00500	1	08/02/2025 01:00	WG2571087
Xylenes, Total	ND		0.100	1	08/02/2025 01:00	WG2571087
(S) Toluene-d8	105		75.0-131		08/02/2025 01:00	WG2571087
(S) 4-Bromofluorobenzene	98.9		67.0-138		08/02/2025 01:00	WG2571087
(S) 1,2-Dichloroethane-d4	99.6		70.0-130		08/02/2025 01:00	WG2571087

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

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	08/07/2025 02:43	WG2572135
C28-C36 Motor Oil Range	ND		4.00	1	08/07/2025 02:43	WG2572135
(S) o-Terphenyl	65.9		18.0-148		08/07/2025 02:43	WG2572135

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Acenaphthene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Acenaphthylene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/06/2025 23:07	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Chrysene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Fluoranthene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Fluorene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Naphthalene	ND		0.00300	1	08/06/2025 23:07	WG2572138
Phenanthrene	ND		0.0330	1	08/06/2025 23:07	WG2572138
Pyrene	ND		0.0330	1	08/06/2025 23:07	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/06/2025 23:07	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/06/2025 23:07	WG2572138
(S) p-Terphenyl-d14	77.2		23.0-120		08/06/2025 23:07	WG2572138
(S) Nitrobenzene-d5	82.0		14.0-149		08/06/2025 23:07	WG2572138
(S) 2-Fluorobiphenyl	76.6		34.0-125		08/06/2025 23:07	WG2572138

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	18.3		1	08/06/2025 15:14	WG2573484

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.192	.962	08/13/2025 22:32	WG2574366

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.69	<u>T8</u>	1	08/07/2025 16:30	WG2572437

Sample Narrative:

L1882968-06 WG2572437: 7.69 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3090	umhos/cm		10.0	1	08/12/2025 08:29	WG2574350

Sample Narrative:

L1882968-06 WG2574350: at 25C

Metals (ICP) by Method 6010D (S-7.10)

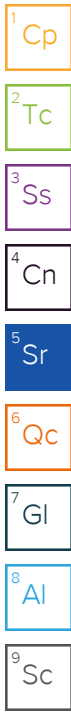
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	08/06/2025 13:29	WG2573493

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.32		0.100	5	08/12/2025 17:40	WG2571973
Barium	146		10.0	5	08/12/2025 17:40	WG2571973
Cadmium	0.147		0.100	5	08/12/2025 17:40	WG2571973
Copper	39.2		10.0	5	08/12/2025 17:40	WG2571973
Lead	12.2		10.0	5	08/12/2025 17:40	WG2571973
Nickel	ND		10.0	5	08/12/2025 17:40	WG2571973
Selenium	0.793		0.100	5	08/12/2025 17:40	WG2571973
Silver	ND		0.500	5	08/12/2025 17:40	WG2571973
Zinc	101		50.0	5	08/12/2025 17:40	WG2571973

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	08/01/2025 18:03	WG2570367
(S) a, a, a-Trifluorotoluene(FID)	96.7		77.0-120		08/01/2025 18:03	WG2570367



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	08/01/2025 11:14	WG2570596
Ethylbenzene	ND		0.0100	1	08/01/2025 11:14	WG2570596
Toluene	ND		0.0100	1	08/01/2025 11:14	WG2570596
1,2,4-Trimethylbenzene	ND		0.00500	1	08/01/2025 11:14	WG2570596
1,3,5-Trimethylbenzene	ND		0.00500	1	08/01/2025 11:14	WG2570596
Xylenes, Total	ND		0.100	1	08/01/2025 11:14	WG2570596
(S) Toluene-d8	104		75.0-131		08/01/2025 11:14	WG2570596
(S) 4-Bromofluorobenzene	99.9		67.0-138		08/01/2025 11:14	WG2570596
(S) 1,2-Dichloroethane-d4	104		70.0-130		08/01/2025 11:14	WG2570596

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

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	164		80.0	20	08/07/2025 06:12	WG2572135
C28-C36 Motor Oil Range	474		80.0	20	08/07/2025 06:12	WG2572135
(S) o-Terphenyl	59.7	J7	18.0-148		08/07/2025 06:12	WG2572135

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Acenaphthene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Acenaphthylene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Benzo(a)anthracene	ND		0.00600	1	08/07/2025 03:10	WG2572138
Benzo(a)pyrene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Benzo(b)fluoranthene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Benzo(g,h,i)perylene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Benzo(k)fluoranthene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Chrysene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Dibenz(a,h)anthracene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Fluoranthene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Fluorene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Naphthalene	ND		0.00300	1	08/07/2025 03:10	WG2572138
Phenanthrene	ND		0.0330	1	08/07/2025 03:10	WG2572138
Pyrene	ND		0.0330	1	08/07/2025 03:10	WG2572138
1-Methylnaphthalene	ND		0.00300	1	08/07/2025 03:10	WG2572138
2-Methylnaphthalene	ND		0.0120	1	08/07/2025 03:10	WG2572138
(S) p-Terphenyl-d14	69.8		23.0-120		08/07/2025 03:10	WG2572138
(S) Nitrobenzene-d5	86.6		14.0-149		08/07/2025 03:10	WG2572138
(S) 2-Fluorobiphenyl	75.2		34.0-125		08/07/2025 03:10	WG2572138

Method Blank (MB)

(MB) R4258742-2 08/13/25 18:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.200	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1880773-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1880773-01 08/13/25 18:32 • (DUP) R4258742-4 08/13/25 18:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.270	ND	.973	200	P1	20

L1882968-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1882968-05 08/13/25 21:38 • (DUP) R4258742-8 08/13/25 21:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	.98	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4258742-1 08/13/25 18:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.66	96.6	80.0-120	

L1880773-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1880773-01 08/13/25 18:32 • (MS) R4258742-5 08/13/25 19:05 • (MSD) R4258742-6 08/13/25 19:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	19.6	0.270	20.4	19.1	103	96.8	.98	75.0-125			6.43	20

L1882968-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1882968-05 08/13/25 21:38 • (MS) R4258742-9 08/13/25 22:00

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	19.8	ND	19.7	99.6	.992	75.0-125	

L1880773-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1880773-01 08/13/25 18:32 • (MS) R4258742-7 08/13/25 19:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	966	0.270	939	97.3	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1883332-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1883332-02 08/08/25 16:50 • (DUP) R4256151-2 08/08/25 16:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.47	7.49	1	0.267		1

Sample Narrative:

OS: 7.47 at 20.7C
 DUP: 7.49 at 20.7C

L1883643-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1883643-02 08/08/25 16:50 • (DUP) R4256151-3 08/08/25 16:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.70	8.70	1	0.000		1

Sample Narrative:

OS: 8.7 at 20.8C
 DUP: 8.7 at 20.8C

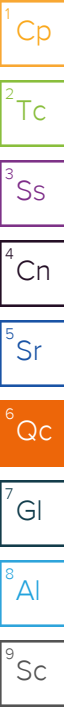
Laboratory Control Sample (LCS)

(LCS) R4256151-1 08/08/25 16:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su		%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 20.5C



L1883817-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1883817-02 08/07/25 16:30 • (DUP) R4255619-2 08/07/25 16:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	7.80	7.79	1	0.128		1

Sample Narrative:

OS: 7.8 at 21.3C

DUP: 7.79 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R4255619-1 08/07/25 16:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 20.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4257253-1 08/12/25 08:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1882963-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1882963-04 08/12/25 08:29 • (DUP) R4257253-3 08/12/25 08:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	544	536	1	1.48		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1882968-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1882968-05 08/12/25 08:29 • (DUP) R4257253-4 08/12/25 08:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	778	776	1	0.257		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4257253-2 08/12/25 08:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	581	588	101	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4255101-1 08/06/25 12:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0199	0.100

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

(LCS) R4255101-2 08/06/25 12:36 • (LCSD) R4255101-3 08/06/25 12:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.984	0.996	98.4	99.6	80.0-120			1.31	20

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

Method Blank (MB)

(MB) R4257625-2 08/12/25 16:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4257625-3 08/12/25 16:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.5	96.5	80.0-120	
Barium	100	94.8	94.8	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	98.7	98.7	80.0-120	
Lead	100	95.1	95.1	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	96.3	96.3	80.0-120	
Silver	20.0	20.2	101	80.0-120	
Zinc	100	95.3	95.3	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1883413-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883413-25 08/12/25 16:49 • (MS) R4257625-6 08/12/25 16:58 • (MSD) R4257625-7 08/12/25 17:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.81	101	97.1	99.1	95.3	5	75.0-125			3.88	20
Barium	100	38.7	146	145	107	107	5	75.0-125			0.357	20
Cadmium	100	ND	103	99.0	103	99.0	5	75.0-125			4.32	20
Copper	100	ND	105	99.4	102	96.7	5	75.0-125			5.40	20
Lead	100	ND	102	98.3	97.9	93.9	5	75.0-125			3.94	20
Nickel	100	ND	107	102	104	98.4	5	75.0-125			4.88	20
Selenium	100	0.451	101	98.1	100	97.6	5	75.0-125			2.61	20
Silver	20.0	ND	20.6	19.5	103	97.7	5	75.0-125			5.27	20
Zinc	100	ND	117	112	99.3	94.4	5	75.0-125			4.26	20

Method Blank (MB)

(MB) R4254167-3 08/01/25 11:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120

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

(LCS) R4254167-1 08/01/25 10:23 • (LCSD) R4254167-2 08/01/25 10:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.00	5.02	4.95	100	99.0	72.0-127			1.40	20
(S) a,a,a-Trifluorotoluene(FID)				107	107	77.0-120				

L1882950-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882950-01 08/01/25 12:58 • (MS) R4254167-4 08/01/25 18:55 • (MSD) R4254167-5 08/01/25 19:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	125	ND	135	132	108	106	25	10.0-151			2.25	28
(S) a,a,a-Trifluorotoluene(FID)					109	109		77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4253590-3 08/01/25 04:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	99.9			67.0-138
(S) 1,2-Dichloroethane-d4	98.0			70.0-130

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

(LCS) R4253590-1 08/01/25 02:42 • (LCSD) R4253590-2 08/01/25 03:02

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.625	0.547	0.648	87.5	104	70.0-123			16.9	20
Ethylbenzene	0.625	0.579	0.689	92.6	110	74.0-126			17.4	20
Toluene	0.625	0.568	0.673	90.9	108	75.0-121			16.9	20
1,2,4-Trimethylbenzene	0.625	0.621	0.701	99.4	112	70.0-126			12.1	20
1,3,5-Trimethylbenzene	0.625	0.619	0.700	99.0	112	73.0-127			12.3	20
Xylenes, Total	1.88	1.73	2.09	92.0	111	72.0-127			18.8	20
(S) Toluene-d8				99.1	104	75.0-131				
(S) 4-Bromofluorobenzene				93.4	99.9	67.0-138				
(S) 1,2-Dichloroethane-d4				108	113	70.0-130				

L1883690-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883690-06 08/01/25 06:18 • (MS) R4253590-4 08/01/25 11:34 • (MSD) R4253590-5 08/01/25 11:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	50.0	1.75	47.2	43.1	90.9	82.7	80	10.0-149			9.08	37
Ethylbenzene	50.0	15.2	60.2	55.7	90.0	81.0	80	10.0-160			7.77	38
Toluene	50.0	61.1	101	96.7	79.8	71.2	80	10.0-156			4.35	38
1,2,4-Trimethylbenzene	50.0	44.1	94.1	85.5	100	82.8	80	10.0-160			9.58	36
1,3,5-Trimethylbenzene	50.0	38.7	91.7	83.5	106	89.6	80	10.0-160			9.36	38
Xylenes, Total	150	209	349	330	93.3	80.7	80	10.0-160			5.60	38
(S) Toluene-d8					98.8	99.7		75.0-131				
(S) 4-Bromofluorobenzene					103	102		67.0-138				
(S) 1,2-Dichloroethane-d4					113	113		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) R4252821-2 07/31/25 22:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	96.3			75.0-131
(S) 4-Bromofluorobenzene	98.6			67.0-138
(S) 1,2-Dichloroethane-d4	112			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4252821-1 07/31/25 21:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.625	0.651	104	70.0-123	
Ethylbenzene	0.625	0.566	90.6	74.0-126	
Toluene	0.625	0.550	88.0	75.0-121	
1,2,4-Trimethylbenzene	0.625	0.577	92.3	70.0-126	
1,3,5-Trimethylbenzene	0.625	0.631	101	73.0-127	
Xylenes, Total	1.88	1.72	91.5	72.0-127	
(S) Toluene-d8			86.2	75.0-131	
(S) 4-Bromofluorobenzene			90.7	67.0-138	
(S) 1,2-Dichloroethane-d4			126	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) R4254900-3 08/01/25 23:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	104			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	99.2			70.0-130

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

(LCS) R4254900-1 08/01/25 21:29 • (LCSD) R4254900-2 08/01/25 21:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.625	0.681	0.620	109	99.2	70.0-123			9.38	20
Ethylbenzene	0.625	0.716	0.670	115	107	74.0-126			6.64	20
Toluene	0.625	0.693	0.641	111	103	75.0-121			7.80	20
1,2,4-Trimethylbenzene	0.625	0.751	0.688	120	110	70.0-126			8.76	20
1,3,5-Trimethylbenzene	0.625	0.734	0.675	117	108	73.0-127			8.37	20
Xylenes, Total	1.88	2.20	2.03	117	108	72.0-127			8.04	20
(S) Toluene-d8				103	105	75.0-131				
(S) 4-Bromofluorobenzene				99.4	102	67.0-138				
(S) 1,2-Dichloroethane-d4				115	114	70.0-130				

L1883381-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883381-12 08/02/25 04:56 • (MS) R4254900-4 08/02/25 06:54 • (MSD) R4254900-5 08/02/25 07:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.625	ND	0.351	0.457	56.2	73.1	1	10.0-149			26.2	37
Ethylbenzene	0.625	ND	0.376	0.472	60.2	75.5	1	10.0-160			22.6	38
Toluene	0.625	ND	0.365	0.462	58.4	73.9	1	10.0-156			23.5	38
1,2,4-Trimethylbenzene	0.625	ND	0.399	0.487	63.8	77.9	1	10.0-160			19.9	36
1,3,5-Trimethylbenzene	0.625	ND	0.394	0.486	63.0	77.8	1	10.0-160			20.9	38
Xylenes, Total	1.88	ND	1.13	1.39	60.1	73.9	1	10.0-160			20.6	38
(S) Toluene-d8					102	101		75.0-131				
(S) 4-Bromofluorobenzene					95.3	96.4		67.0-138				
(S) 1,2-Dichloroethane-d4					103	110		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) R4255347-1 08/07/25 01:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.695	J	0.274	4.00
(S) o-Terphenyl	72.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4255347-2 08/07/25 01:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	42.0	84.0	50.0-150	
(S) o-Terphenyl			71.2	18.0-148	

L1882968-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882968-03 08/07/25 03:09 • (MS) R4255347-3 08/07/25 03:48 • (MSD) R4255347-4 08/07/25 04:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	49.4	ND	33.3	35.0	63.0	66.7	1	50.0-150			4.98	20
(S) o-Terphenyl					50.5	48.3		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4255227-2 08/06/25 20:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
<i>(S) p-Terphenyl-d14</i>	65.8			23.0-120
<i>(S) Nitrobenzene-d5</i>	69.5			14.0-149
<i>(S) 2-Fluorobiphenyl</i>	65.9			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4255227-1 08/06/25 20:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0592	74.0	50.0-126	
Acenaphthene	0.0800	0.0588	73.5	50.0-120	
Acenaphthylene	0.0800	0.0604	75.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0596	74.5	45.0-120	
Benzo(a)pyrene	0.0800	0.0509	63.6	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0580	72.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0573	71.6	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0566	70.8	49.0-125	
Chrysene	0.0800	0.0606	75.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0594	74.3	47.0-125	
Fluoranthene	0.0800	0.0626	78.3	49.0-129	
Fluorene	0.0800	0.0642	80.3	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4255227-1 08/06/25 20:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0548	68.5	46.0-125	
Naphthalene	0.0800	0.0618	77.3	50.0-120	
Phenanthrene	0.0800	0.0603	75.4	47.0-120	
Pyrene	0.0800	0.0611	76.4	43.0-123	
1-Methylnaphthalene	0.0800	0.0645	80.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0622	77.8	50.0-120	
(S) p-Terphenyl-d14			82.4	23.0-120	
(S) Nitrobenzene-d5			87.1	14.0-149	
(S) 2-Fluorobiphenyl			83.6	34.0-125	

L1882968-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1882968-06 08/07/25 03:10 • (MS) R4255227-3 08/07/25 03:28 • (MSD) R4255227-4 08/07/25 03:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0784	ND	0.0581	0.0550	74.1	70.5	1	10.0-145			5.48	30
Acenaphthene	0.0784	ND	0.0554	0.0526	70.7	67.4	1	14.0-127			5.19	27
Acenaphthylene	0.0784	ND	0.0591	0.0558	75.4	71.5	1	21.0-124			5.74	25
Benzo(a)anthracene	0.0784	ND	0.0603	0.0582	76.9	74.6	1	10.0-139			3.54	30
Benzo(a)pyrene	0.0784	ND	0.0537	0.0493	68.5	63.2	1	10.0-141			8.54	31
Benzo(b)fluoranthene	0.0784	ND	0.0512	0.0490	65.3	62.8	1	10.0-140			4.39	36
Benzo(g,h,i)perylene	0.0784	ND	0.0618	0.0629	78.8	80.6	1	10.0-140			1.76	33
Benzo(k)fluoranthene	0.0784	ND	0.0495	0.0458	63.1	58.7	1	10.0-137			7.76	31
Chrysene	0.0784	ND	0.0591	0.0537	75.4	68.8	1	10.0-145			9.57	30
Dibenz(a,h)anthracene	0.0784	ND	0.0538	0.0500	68.6	64.1	1	10.0-132			7.32	31
Fluoranthene	0.0784	ND	0.0624	0.0595	79.6	76.3	1	10.0-153			4.76	33
Fluorene	0.0784	ND	0.0622	0.0578	79.3	74.1	1	11.0-130			7.33	29
Indeno(1,2,3-cd)pyrene	0.0784	ND	0.0515	0.0483	65.7	61.9	1	10.0-137			6.41	32
Naphthalene	0.0784	ND	0.0585	0.0568	74.6	72.8	1	10.0-135			2.95	27
Phenanthrene	0.0784	ND	0.0586	0.0544	74.7	69.7	1	10.0-144			7.43	31
Pyrene	0.0784	ND	0.0565	0.0535	72.1	68.6	1	10.0-148			5.45	35
1-Methylnaphthalene	0.0784	ND	0.0615	0.0588	78.4	75.4	1	10.0-142			4.49	28
2-Methylnaphthalene	0.0784	ND	0.0598	0.0590	76.3	75.6	1	10.0-137			1.35	28
(S) p-Terphenyl-d14					79.1	66.4		23.0-120				
(S) Nitrobenzene-d5					94.9	90.7		14.0-149				
(S) 2-Fluorobiphenyl					82.7	71.7		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

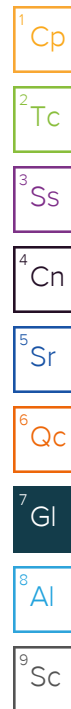
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.



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		

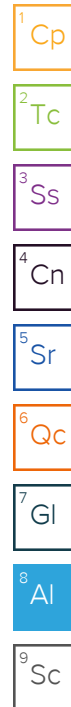
Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV 89119

Nevada	NV009412021-1
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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.



Company Name/Address: **PO&G Resources - Houston, TX**
 5487 San Felipe Ste 3200
 Houston, TX 77057

Billing Information:
 Accounts Payable
 5487 San Felipe Ste 3200
 Houston, TX 77057

Report to:
 Rick Eggleston 346-220-8355

Email To: jessica.carr@pacelabs.com

Project Description: **HRMU 7** City/State Collected: **Cheyenne Wells Colorado** Please Circle: **PT** **MT** **CT** **ET**

Chain of Custody Page 1 of 1

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd. Mount Juliet, TN 37122
 Submitting a sample to this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **L186029104**

Table # **FOUS**

Acctnum: **POGHTX**

Template: **T245449**

Prelogin: **P1166295**

PM: **134 - Mark W. Beasley**

PB: **BW 7/24**

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative				Remarks	Sample # (lab only)
							Full Table 915-1 8ozClr-NoPres	SAR 8ozClr-NoPres	SPCONCO (EC) 8ozClr-NoPres	TPH-GRO/DRO 8ozClr-NoPres		
HRMU7-BG-48	GRAB	SS	48IN	7/26/25	1056	4	X					01
HRMU7WH-36		SS	36IN		1112	4	X					02
HRMU7BAL-24		SS	24IN		1129	4	X					03
HRMU7BA2-24		SS	24IN		1138	4	X					04
HRMU7OBAL-24		SS	24IN		1146	4	X					05
HRMU7SS-12		SS	12IN		1156	4	X					06
		SS										
		SS										
		SS										
		SS										

* Matrix: SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks: pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier _____ Tracking # _____

Relinquished by: (Signature) **Rick Eggleston** Date: **7/27/25** Time: **1803** Received by: (Signature) **Cheryl Atwood** Trip Blank Received: Yes / No **HCL / MeOH TBR**

Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Temp: _____ °C Bottles Received: **24** If preservation required by Login: Date/Time _____

Relinquished by: (Signature) _____ Date: _____ Time: _____ Received for lab by: (Signature) **Chopera** Date: **07-29-25** Time: **0900** Hold: _____ Condition: **NCF / OK**

Multiple Parcel Form

L#

U18829108

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4580 6319 8790	TU179	1.2	-0.1	1.1	Yes / No / Not Present
4580 6319 8827		2.8		2.7	Yes / No / Not Present
4580 6319 8838		1.3		1.2	Yes / No / Not Present
4580 6319 8816		0.2		0.1	Yes / No / Not Present
4580 6319 8849		0.5		0.4	Yes / No / Not Present
4580 6319 8805		1.0		0.9	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

C. Raper

07-19-25

Name

Date