

Occidental Petroleum Corporation

Sample Delivery Group: L1894449
Samples Received: 09/03/2025
Project Number:
Description: Elliot St 41C 17HZ

Report To: Daniel Coloccia
PO Box 4995
The Woodlands, TX 77387

Entire Report Reviewed By:



Mandi Edwards
Project Manager

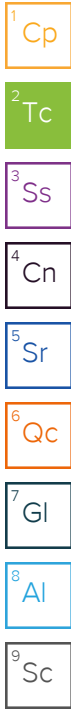
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Pace Analytical National

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SAMPLE SUMMARY

MW-06@5-7.5' L1894449-01

Collected by: Josh Solomon
 Collected date/time: 09/02/25 10:55
 Received date/time: 09/03/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2594405	1	09/05/25 02:09	09/05/25 02:09	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2594872	1	09/06/25 14:41	09/06/25 14:52	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2596412	.969	09/08/25 12:00	09/10/25 17:00	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D (S-1.10)	WG2595433	1	09/06/25 10:34	09/12/25 09:27	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2595476	1	09/06/25 11:41	09/12/25 20:09	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2594425	1	09/08/25 12:24	09/08/25 15:57	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2594661	5	09/05/25 17:04	09/06/25 19:04	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2594006	25	09/03/25 16:50	09/04/25 18:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2593700	1	09/03/25 16:50	09/04/25 00:21	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2596652	1	09/11/25 03:40	09/11/25 12:50	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2596675	1	09/10/25 07:11	09/10/25 19:02	CMF	Mt. Juliet, TN



MW-07@5-7.5' L1894449-02

Collected by: Josh Solomon
 Collected date/time: 09/02/25 13:00
 Received date/time: 09/03/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2594405	1	09/05/25 02:11	09/05/25 02:11	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2594872	1	09/06/25 14:41	09/06/25 14:52	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2596412	.984	09/08/25 12:00	09/10/25 18:06	ZBC	Las Vegas, NV
Wet Chemistry by Method 9045D (S-1.10)	WG2595433	1	09/06/25 10:34	09/12/25 09:27	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2595476	1	09/06/25 11:41	09/12/25 20:09	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2594425	1	09/08/25 12:24	09/08/25 16:00	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2594661	5	09/05/25 17:04	09/06/25 18:05	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2594006	25	09/03/25 16:50	09/04/25 18:29	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2593700	1	09/03/25 16:50	09/04/25 00:40	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2596652	1	09/11/25 03:40	09/11/25 15:31	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2596675	1	09/10/25 07:11	09/10/25 19:19	CMF	Mt. Juliet, TN

MW-08@5-7.5' L1894449-03

Collected by: Josh Solomon
 Collected date/time: 09/02/25 11:45
 Received date/time: 09/03/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2594405	1	09/05/25 02:13	09/05/25 02:13	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2594872	1	09/06/25 14:41	09/06/25 14:52	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2601207	1	09/18/25 11:00	09/21/25 18:24	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2595433	1	09/06/25 10:34	09/12/25 09:27	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2595476	1	09/06/25 11:41	09/12/25 20:09	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2594425	1	09/08/25 12:24	09/08/25 16:03	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2594661	5	09/05/25 17:04	09/06/25 19:07	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2594006	25	09/03/25 16:50	09/04/25 18:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2593700	1	09/03/25 16:50	09/04/25 00:59	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2596652	1	09/11/25 03:40	09/11/25 13:03	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2596675	1	09/10/25 07:11	09/10/25 19:37	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.



Mandi Edwards
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	2.54		1	09/05/2025 02:09	WG2594405

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	09/06/2025 14:52	WG2594872

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.194	0.194	.969	09/10/2025 17:00	WG2596412

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.75		1	09/12/2025 09:27	WG2595433

Sample Narrative:

L1894449-01 WG2595433: 7.75 at 20.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4.27	mmhos/cm		0.0100	1	09/12/2025 20:09	WG2595476

Sample Narrative:

L1894449-01 WG2595476: at 25C

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

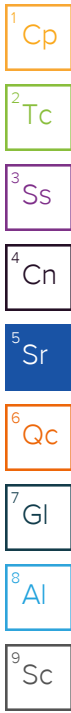
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.164		0.0199	0.100	1	09/08/2025 15:57	WG2594425

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.22		0.100	0.100	5	09/06/2025 19:04	WG2594661
Barium	83.1		10.0	10.0	5	09/06/2025 19:04	WG2594661
Cadmium	0.124		0.100	0.100	5	09/06/2025 19:04	WG2594661
Copper	U		10.0	10.0	5	09/06/2025 19:04	WG2594661
Lead	10.6		10.0	10.0	5	09/06/2025 19:04	WG2594661
Nickel	U		10.0	10.0	5	09/06/2025 19:04	WG2594661
Selenium	0.843		0.100	0.100	5	09/06/2025 19:04	WG2594661
Silver	U		0.500	0.500	5	09/06/2025 19:04	WG2594661
Zinc	U		50.0	50.0	5	09/06/2025 19:04	WG2594661

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		2.00	2.50	25	09/04/2025 18:05	WG2594006
(S) a,a,a-Trifluorotoluene(FID)	98.1			77.0-120		09/04/2025 18:05	WG2594006



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.00100	0.00100	1	09/04/2025 00:21	WG2593700
Toluene	U		0.0100	0.0100	1	09/04/2025 00:21	WG2593700
Ethylbenzene	U		0.0100	0.0100	1	09/04/2025 00:21	WG2593700
Xylenes, Total	U		0.100	0.100	1	09/04/2025 00:21	WG2593700
1,2,4-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:21	WG2593700
1,3,5-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:21	WG2593700
(S) Toluene-d8	95.9			75.0-131		09/04/2025 00:21	WG2593700
(S) 4-Bromofluorobenzene	98.2			67.0-138		09/04/2025 00:21	WG2593700
(S) 1,2-Dichloroethane-d4	101			70.0-130		09/04/2025 00:21	WG2593700

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	09/11/2025 12:50	WG2596652
C28-C36 Motor Oil Range	2.14	<u>B</u> <u>J</u>	0.274	4.00	1	09/11/2025 12:50	WG2596652
(S) o-Terphenyl	80.0			18.0-148		09/11/2025 12:50	WG2596652

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Anthracene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Benzo(a)anthracene	U		0.00600	0.00600	1	09/10/2025 19:02	WG2596675
Benzo(b)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Benzo(k)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Benzo(a)pyrene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Chrysene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Dibenz(a,h)anthracene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Fluorene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
1-Methylnaphthalene	0.00860		0.00300	0.00300	1	09/10/2025 19:02	WG2596675
2-Methylnaphthalene	0.0277		0.0120	0.0120	1	09/10/2025 19:02	WG2596675
Naphthalene	0.00407		0.00300	0.00300	1	09/10/2025 19:02	WG2596675
Pyrene	U		0.0330	0.0330	1	09/10/2025 19:02	WG2596675
(S) p-Terphenyl-d14	89.9			23.0-120		09/10/2025 19:02	WG2596675
(S) 2-Fluorobiphenyl	88.1			34.0-125		09/10/2025 19:02	WG2596675
(S) 2-Methylnaphthalene-d10	88.6			50.0-150		09/10/2025 19:02	WG2596675

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	2.06		1	09/05/2025 02:11	WG2594405

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	09/06/2025 14:52	WG2594872

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.197	0.197	.984	09/10/2025 18:06	WG2596412

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94		1	09/12/2025 09:27	WG2595433

Sample Narrative:

L1894449-02 WG2595433: 7.94 at 21.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2.21	mmhos/cm		0.0100	1	09/12/2025 20:09	WG2595476

Sample Narrative:

L1894449-02 WG2595476: at 25C

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

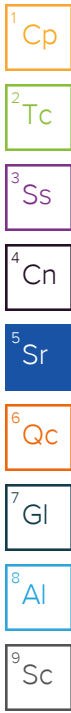
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0472	J	0.0199	0.100	1	09/08/2025 16:00	WG2594425

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	16.9		0.100	0.100	5	09/06/2025 18:05	WG2594661
Barium	61.8		10.0	10.0	5	09/06/2025 18:05	WG2594661
Cadmium	0.141		0.100	0.100	5	09/06/2025 18:05	WG2594661
Copper	11.3		10.0	10.0	5	09/06/2025 18:05	WG2594661
Lead	13.4		10.0	10.0	5	09/06/2025 18:05	WG2594661
Nickel	13.0		10.0	10.0	5	09/06/2025 18:05	WG2594661
Selenium	0.712		0.100	0.100	5	09/06/2025 18:05	WG2594661
Silver	U		0.500	0.500	5	09/06/2025 18:05	WG2594661
Zinc	U		50.0	50.0	5	09/06/2025 18:05	WG2594661

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		2.00	2.50	25	09/04/2025 18:29	WG2594006
(S) a,a,a-Trifluorotoluene(FID)	98.4			77.0-120		09/04/2025 18:29	WG2594006



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.00100	0.00100	1	09/04/2025 00:40	WG2593700
Toluene	U		0.0100	0.0100	1	09/04/2025 00:40	WG2593700
Ethylbenzene	U		0.0100	0.0100	1	09/04/2025 00:40	WG2593700
Xylenes, Total	U		0.100	0.100	1	09/04/2025 00:40	WG2593700
1,2,4-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:40	WG2593700
1,3,5-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:40	WG2593700
(S) Toluene-d8	97.4			75.0-131		09/04/2025 00:40	WG2593700
(S) 4-Bromofluorobenzene	98.2			67.0-138		09/04/2025 00:40	WG2593700
(S) 1,2-Dichloroethane-d4	100			70.0-130		09/04/2025 00:40	WG2593700

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.92	U	1.61	4.00	1	09/11/2025 15:31	WG2596652
C28-C36 Motor Oil Range	5.24		0.274	4.00	1	09/11/2025 15:31	WG2596652
(S) o-Terphenyl	64.5			18.0-148		09/11/2025 15:31	WG2596652

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Anthracene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Benzo(a)anthracene	U		0.00600	0.00600	1	09/10/2025 19:19	WG2596675
Benzo(b)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Benzo(k)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Benzo(a)pyrene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Chrysene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Dibenz(a,h)anthracene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Fluorene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
1-Methylnaphthalene	U		0.00300	0.00300	1	09/10/2025 19:19	WG2596675
2-Methylnaphthalene	U		0.0120	0.0120	1	09/10/2025 19:19	WG2596675
Naphthalene	U		0.00300	0.00300	1	09/10/2025 19:19	WG2596675
Pyrene	U		0.0330	0.0330	1	09/10/2025 19:19	WG2596675
(S) p-Terphenyl-d14	84.8			23.0-120		09/10/2025 19:19	WG2596675
(S) 2-Fluorobiphenyl	82.4			34.0-125		09/10/2025 19:19	WG2596675
(S) 2-Methylnaphthalene-d10	83.9			50.0-150		09/10/2025 19:19	WG2596675

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	3.47		1	09/05/2025 02:13	WG2594405

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	09/06/2025 14:52	WG2594872

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U	<u>P1</u>	0.200	0.200	1	09/21/2025 18:24	WG2601207

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96		1	09/12/2025 09:27	WG2595433

Sample Narrative:

L1894449-03 WG2595433: 7.96 at 20.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4.58	mmhos/cm		0.0100	1	09/12/2025 20:09	WG2595476

Sample Narrative:

L1894449-03 WG2595476: at 25C

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

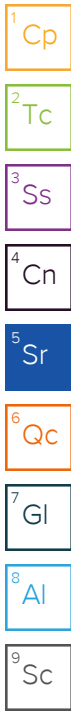
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.383		0.0199	0.100	1	09/08/2025 16:03	WG2594425

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.36		0.100	0.100	5	09/06/2025 19:07	WG2594661
Barium	106		10.0	10.0	5	09/06/2025 19:07	WG2594661
Cadmium	0.126		0.100	0.100	5	09/06/2025 19:07	WG2594661
Copper	U		10.0	10.0	5	09/06/2025 19:07	WG2594661
Lead	U		10.0	10.0	5	09/06/2025 19:07	WG2594661
Nickel	11.1		10.0	10.0	5	09/06/2025 19:07	WG2594661
Selenium	0.539		0.100	0.100	5	09/06/2025 19:07	WG2594661
Silver	U		0.500	0.500	5	09/06/2025 19:07	WG2594661
Zinc	U		50.0	50.0	5	09/06/2025 19:07	WG2594661

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		2.00	2.50	25	09/04/2025 18:53	WG2594006
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		09/04/2025 18:53	WG2594006



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.00100	0.00100	1	09/04/2025 00:59	WG2593700
Toluene	U		0.0100	0.0100	1	09/04/2025 00:59	WG2593700
Ethylbenzene	U		0.0100	0.0100	1	09/04/2025 00:59	WG2593700
Xylenes, Total	U		0.100	0.100	1	09/04/2025 00:59	WG2593700
1,2,4-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:59	WG2593700
1,3,5-Trimethylbenzene	U		0.00500	0.00500	1	09/04/2025 00:59	WG2593700
(S) Toluene-d8	97.2			75.0-131		09/04/2025 00:59	WG2593700
(S) 4-Bromofluorobenzene	99.4			67.0-138		09/04/2025 00:59	WG2593700
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		09/04/2025 00:59	WG2593700

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.84	J	1.61	4.00	1	09/11/2025 13:03	WG2596652
C28-C36 Motor Oil Range	2.37	B J	0.274	4.00	1	09/11/2025 13:03	WG2596652
(S) o-Terphenyl	79.3			18.0-148		09/11/2025 13:03	WG2596652

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Anthracene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Benzo(a)anthracene	U		0.00600	0.00600	1	09/10/2025 19:37	WG2596675
Benzo(b)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Benzo(k)fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Benzo(a)pyrene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Chrysene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Dibenz(a,h)anthracene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Fluoranthene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Fluorene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
1-Methylnaphthalene	U		0.00300	0.00300	1	09/10/2025 19:37	WG2596675
2-Methylnaphthalene	U		0.0120	0.0120	1	09/10/2025 19:37	WG2596675
Naphthalene	U		0.00300	0.00300	1	09/10/2025 19:37	WG2596675
Pyrene	U		0.0330	0.0330	1	09/10/2025 19:37	WG2596675
(S) p-Terphenyl-d14	91.6			23.0-120		09/10/2025 19:37	WG2596675
(S) 2-Fluorobiphenyl	88.9			34.0-125		09/10/2025 19:37	WG2596675
(S) 2-Methylnaphthalene-d10	88.3			50.0-150		09/10/2025 19:37	WG2596675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4270150-1 09/06/25 14:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1894445-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1894445-01 09/06/25 14:52 • (DUP) R4270150-3 09/06/25 14:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.0	82.9	1	0.0954		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4270150-2 09/06/25 14:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4272003-3 09/10/25 13:00

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

L1894449-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1894449-01 09/10/25 17:00 • (DUP) R4272003-5 09/10/25 17:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	.973	0.000		20

L1894449-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1894449-02 09/10/25 18:06 • (DUP) R4272003-9 09/10/25 18:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4272003-1 09/10/25 09:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.96	99.6	80.0-120	

L1894449-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894449-01 09/10/25 17:00 • (MS) R4272003-6 09/10/25 17:33 • (MSD) R4272003-7 09/10/25 17:44

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	19.9	U	19.7	19.1	99.1	99.6	.996	75.0-125			3.03	20

L1894449-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1894449-02 09/10/25 18:06 • (MS) R4272003-10 09/10/25 18:27

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	20.0	U	20.2	101	1	75.0-125	

L1894449-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1894449-01 09/10/25 17:00 • (MS) R4272003-8 09/10/25 17:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	1070	U	981	91.7	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4277269-1 09/21/25 14:23

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1889495-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1889495-04 09/21/25 15:07 • (DUP) R4277269-3 09/21/25 15:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

⁷Gl

⁸Al

⁹Sc

L1894449-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1894449-03 09/21/25 18:24 • (DUP) R4277269-8 09/21/25 18:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	0.240	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4277269-2 09/21/25 14:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1889495-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889495-13 09/21/25 16:55 • (MS) R4277269-4 09/21/25 17:03 • (MSD) R4277269-5 09/21/25 17:12

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	20.0	U	20.0	21.3	100	107	1	75.0-125			6.35	20

L1889495-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1889495-13 09/21/25 16:55 • (MS) R4277269-6 09/21/25 17:21

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	638	U	712	112	50	75.0-125	

L1893595-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1893595-01 09/12/25 09:27 • (DUP) R4272456-2 09/12/25 09:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	8.61	8.61	1	0.000		1

Sample Narrative:
 OS: 8.61 at 21.1C
 DUP: 8.61 at 21.4C

L1894449-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1894449-03 09/12/25 09:27 • (DUP) R4272456-3 09/12/25 09:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	7.96	7.97	1	0.126		1

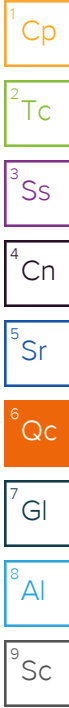
Sample Narrative:
 OS: 7.96 at 20.7C
 DUP: 7.97 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R4272456-1 09/12/25 09:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
pH	10.0	10.0	100	99.0-101	

Sample Narrative:
 LCS: 10 at 21C



Method Blank (MB)

(MB) R4272767-1 09/12/25 20:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1893595-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1893595-01 09/12/25 20:09 • (DUP) R4272767-3 09/12/25 20:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	0.305	0.307	1	0.654		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1894449-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1894449-03 09/12/25 20:09 • (DUP) R4272767-4 09/12/25 20:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	4.58	4.57	1	0.219		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4272767-2 09/12/25 20:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.544	93.6	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4270337-1 09/08/25 15:13

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) R4270337-2 09/08/25 15:16 • (LCSD) R4270337-3 09/08/25 15:19

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	0.992	0.990	99.2	99.0	80.0-120			0.249	20

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

Method Blank (MB)

(MB) R4269713-1 09/06/25 17:58

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4269713-2 09/06/25 18:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	98.6	98.6	80.0-120	
Barium	100	97.8	97.8	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	99.9	99.9	80.0-120	
Lead	100	97.9	97.9	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	98.4	98.4	80.0-120	
Silver	20.0	19.6	98.2	80.0-120	
Zinc	100	97.9	97.9	80.0-120	

L1894449-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894449-02 09/06/25 18:05 • (MS) R4269713-5 09/06/25 18:15 • (MSD) R4269713-6 09/06/25 18:18

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	16.9	113	111	96.5	94.0	5	75.0-125			2.18	20
Barium	100	61.8	161	158	99.4	96.7	5	75.0-125			1.69	20
Cadmium	100	0.141	96.6	99.6	96.4	99.5	5	75.0-125			3.10	20
Copper	100	11.3	103	107	92.1	95.6	5	75.0-125			3.32	20
Lead	100	13.4	112	111	98.9	97.8	5	75.0-125			0.917	20
Nickel	100	13.0	110	111	97.0	98.4	5	75.0-125			1.20	20
Selenium	100	0.712	97.1	98.2	96.4	97.5	5	75.0-125			1.14	20
Silver	20.0	U	19.5	19.4	97.5	97.1	5	75.0-125			0.487	20
Zinc	100	U	144	140	99.4	95.3	5	75.0-125	J5	J5	2.93	20

Method Blank (MB)

(MB) R4269504-2 09/04/25 11:50

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)	99.2			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4269504-1 09/04/25 10:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.57	91.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			108	77.0-120	

L1894513-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894513-01 09/04/25 19:18 • (MS) R4269504-3 09/04/25 21:45 • (MSD) R4269504-4 09/04/25 22:09

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	U	108	109	86.4	87.2	25	10.0-151			0.922	28
(S) a,a,a-Trifluorotoluene(FID)					107	106		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) R4270311-3 09/03/25 19:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.00100	0.00100
Toluene	U		0.0100	0.0100
Ethylbenzene	U		0.0100	0.0100
Xylenes, Total	U		0.100	0.100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
(S) Toluene-d8	95.6			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

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

(LCS) R4270311-1 09/03/25 17:33 • (LCSD) R4270311-2 09/03/25 17:52

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	0.615	0.616	98.4	98.6	70.0-123			0.162	20
Toluene	0.625	0.523	0.534	83.7	85.4	75.0-121			2.08	20
Ethylbenzene	0.625	0.556	0.568	89.0	90.9	74.0-126			2.14	20
Xylenes, Total	1.88	1.66	1.67	88.3	88.8	72.0-127			0.601	20
1,2,4-Trimethylbenzene	0.625	0.584	0.576	93.4	92.2	70.0-126			1.38	20
1,3,5-Trimethylbenzene	0.625	0.583	0.583	93.3	93.3	73.0-127			0.000	20
(S) Toluene-d8				92.1	91.3	75.0-131				
(S) 4-Bromofluorobenzene				95.1	93.3	67.0-138				
(S) 1,2-Dichloroethane-d4				114	113	70.0-130				

L1894428-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894428-09 09/03/25 23:05 • (MS) R4270311-4 09/04/25 02:34 • (MSD) R4270311-5 09/04/25 02:53

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	0.143	U	0.163	0.163	130	130	1	10.0-149			0.000	37
Toluene	0.143	U	0.143	0.144	114	115	1	10.0-156			0.697	38
Ethylbenzene	0.143	U	0.144	0.144	115	115	1	10.0-160			0.000	38
Xylenes, Total	0.430	U	0.413	0.416	110	111	1	10.0-160			0.724	38
1,2,4-Trimethylbenzene	0.143	U	0.127	0.134	102	107	1	10.0-160			5.36	36
1,3,5-Trimethylbenzene	0.143	U	0.134	0.135	107	108	1	10.0-160			0.743	38
(S) Toluene-d8					95.7	95.5		75.0-131				
(S) 4-Bromofluorobenzene					98.4	98.4		67.0-138				
(S) 1,2-Dichloroethane-d4					97.9	104		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) R4272252-1 09/11/25 12:23

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	0.391	J	0.274	4.00
(S) o-Terphenyl	90.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4272252-2 09/11/25 12:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	43.6	87.2	50.0-150	
(S) o-Terphenyl			99.4	18.0-148	

L1894793-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894793-06 09/12/25 00:05 • (MS) R4272252-3 09/12/25 00:19 • (MSD) R4272252-4 09/12/25 00:32

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	48.2	7.30	54.2	56.1	97.3	101	2	50.0-150			3.45	20
(S) o-Terphenyl					115	117		18.0-148				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4271965-2 09/10/25 17:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.0330	0.0330
Anthracene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Benzo(a)pyrene	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
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
Naphthalene	U		0.00300	0.00300
Pyrene	U		0.0330	0.0330
(S) p-Terphenyl-d14	90.3			23.0-120
(S) 2-Fluorobiphenyl	87.1			34.0-125
(S) 2-Methylnaphthalene-d10	84.8			50.0-150

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4271965-1 09/10/25 16:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0595	74.4	50.0-120	
Anthracene	0.0800	0.0617	77.1	50.0-126	
Benzo(a)anthracene	0.0800	0.0589	73.6	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0639	79.9	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0621	77.6	49.0-125	
Benzo(a)pyrene	0.0800	0.0548	68.5	42.0-120	
Chrysene	0.0800	0.0613	76.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0630	78.8	47.0-125	
Fluoranthene	0.0800	0.0621	77.6	49.0-129	
Fluorene	0.0800	0.0633	79.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0487	60.9	46.0-125	
1-Methylnaphthalene	0.0800	0.0639	79.9	51.0-121	
2-Methylnaphthalene	0.0800	0.0609	76.1	50.0-120	
Naphthalene	0.0800	0.0612	76.5	50.0-120	
Pyrene	0.0800	0.0609	76.1	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4271965-1 09/10/25 16:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) p-Terphenyl-d14			95.2	23.0-120	
(S) 2-Fluorobiphenyl			93.9	34.0-125	
(S) 2-Methylnaphthalene-d10			91.0	50.0-150	

L1894444-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894444-01 09/10/25 17:52 • (MS) R4271965-3 09/10/25 18:09 • (MSD) R4271965-4 09/10/25 18:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthene	0.0800	U	0.0556	0.0580	69.5	74.0	1	14.0-127			4.23	27
Anthracene	0.0800	U	0.0557	0.0570	69.6	72.7	1	10.0-145			2.31	30
Benzo(a)anthracene	0.0800	U	0.0527	0.0559	65.9	71.3	1	10.0-139			5.89	30
Benzo(b)fluoranthene	0.0800	U	0.0557	0.0595	69.6	75.9	1	10.0-140			6.60	36
Benzo(k)fluoranthene	0.0800	U	0.0527	0.0556	65.9	70.9	1	10.0-137			5.36	31
Benzo(a)pyrene	0.0800	U	0.0528	0.0565	66.0	72.1	1	10.0-141			6.77	31
Chrysene	0.0800	U	0.0539	0.0583	67.4	74.4	1	10.0-145			7.84	30
Dibenz(a,h)anthracene	0.0800	U	0.0544	0.0583	68.0	74.4	1	10.0-132			6.92	31
Fluoranthene	0.0800	U	0.0569	0.0595	71.1	75.9	1	10.0-153			4.47	33
Fluorene	0.0800	U	0.0572	0.0608	71.5	77.6	1	11.0-130			6.10	29
Indeno(1,2,3-cd)pyrene	0.0800	U	0.0426	0.0461	53.2	58.8	1	10.0-137			7.89	32
1-Methylnaphthalene	0.0800	U	0.0594	0.0618	74.3	78.8	1	10.0-142			3.96	28
2-Methylnaphthalene	0.0800	U	0.0571	0.0595	71.4	75.9	1	10.0-137			4.12	28
Naphthalene	0.0800	U	0.0578	0.0595	72.3	75.9	1	10.0-135			2.90	27
Pyrene	0.0800	U	0.0541	0.0565	67.6	72.1	1	10.0-148			4.34	35
(S) p-Terphenyl-d14					80.5	86.9		23.0-120				
(S) 2-Fluorobiphenyl					84.1	90.1		34.0-125				
(S) 2-Methylnaphthalene-d10					84.7	89.1		50.0-150				

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

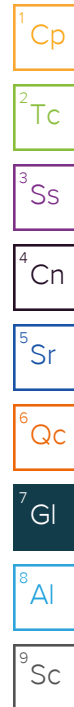
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



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

Arizona	AZ0842	Oregon	4205
California	3118	Utah	NV00941
Nevada	NV00941	Washington	C1109

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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address: **Occidental Petroleum Corporation**
 PO Box 4995
 The Woodlands, TX 77387

Billing Information:
 Taylor Rowley - User ID ONV859
 PO Box 4995
 The Woodlands, TX 77387

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
 PEOPLE ADVANCING SCIENCE

Report to: **Daniel Coloccia 970-846-5781**
 Email To: **dcoloccia@eagle-enviro.com;amcnall@eagle-**

Project Description: **Elliot ST 410-17HZ** City/State Collected: **Denver, CO** Please Circle: PT CT ET

Regulatory Program(DOD,RCRA,DW,etc): **ECMC** Client Project # Lab Project # **OCCPETPCO-EAGLE**

Collected by (print): **Josh Solomon** Site/Facility ID # P.O. #

Collected by (signature): *JS* **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day STD TAT
 Immediately Packed on Ice N Y X
 Quote # Date Results Needed No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full Table 915-1 4ozClr-NoPres	Table 915 Metals+SS 4ozClr-NoPres	Table 915-1 Cl/SO4 125mlHDPE-NoPres	Table 915-1 TDS 1L-HDPE NoPres	Table 915-1BTEXN,TMBs 40mlAmb-HCl							
MW-06 05-7.5'	Grab	SS	5-7.5'	9/2/25	1055	3	X											
MW-07 05-7.5'	↓	↓	↓	↓	1300	↓	↓											02
MW-08 05-7.5'	↓	↓	↓	↓	1145	↓	↓											03

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

Remarks: pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Samples returned via: UPS FedEx Courier Tracking #

Relinquished by: (Signature) *JS* Date: **9/2/25** Time: **1710** Received by: (Signature) *[Signature]* Trip Blank Received: Yes No
 HCL/MeOH TBR

Relinquished by: (Signature) *[Signature]* Date: **9/2/25** Time: **1800** Received by: (Signature) *[Signature]* Temp: **37.0** °C Bottles Received: **3** If preservation required by Login: Date/Time

Relinquished by: (Signature) *[Signature]* Date: **09/03/2025** Time: **0800** Received for lab by: (Signature) *[Signature]* Date: **09/03/2025** Time: **0800** Hold: Condition: NCF / OK