

Chevron - CO

Sample Delivery Group: L1867066
Samples Received: 06/06/2025
Project Number: C022-165
Description: Gemini B31-11 QM
Site: GEMINI B31-11/458290
Report To: Paul H.
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Tony Gibson
Project Manager

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Pace Analytical National

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

MW7 L1867066-01

Collected by Joshua Belanger Collected date/time 06/05/25 08:30 Received date/time 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2535841	1	06/12/25 07:59	06/12/25 14:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2532762	5	06/15/25 23:17	06/15/25 23:17	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 13:53	06/08/25 13:53	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 16:52	KB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538460	1	06/14/25 08:38	06/14/25 19:52	KB	Mt. Juliet, TN



MW8 L1867066-02

Collected by Joshua Belanger Collected date/time 06/05/25 09:00 Received date/time 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2535841	1	06/12/25 07:59	06/12/25 14:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2532762	5	06/15/25 23:31	06/15/25 23:31	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 14:13	06/08/25 14:13	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 17:09	KB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538460	1	06/14/25 08:38	06/14/25 20:10	KB	Mt. Juliet, TN

MW13 L1867066-03

Collected by Joshua Belanger Collected date/time 06/05/25 09:30 Received date/time 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2535841	1	06/12/25 07:59	06/12/25 14:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2532762	5	06/15/25 23:44	06/15/25 23:44	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 14:32	06/08/25 14:32	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 15:07	KB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538460	1	06/14/25 08:38	06/14/25 20:28	KB	Mt. Juliet, TN

MW14 L1867066-04

Collected by Joshua Belanger Collected date/time 06/05/25 10:00 Received date/time 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2535841	1	06/12/25 07:59	06/12/25 14:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2532762	5	06/15/25 23:58	06/15/25 23:58	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 14:51	06/08/25 14:51	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 15:25	KB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538460	1	06/14/25 08:38	06/14/25 20:47	KB	Mt. Juliet, TN

MW15 L1867066-05

Collected by Joshua Belanger Collected date/time 06/05/25 10:30 Received date/time 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2535841	1	06/12/25 07:59	06/12/25 14:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2532762	10	06/16/25 00:25	06/16/25 00:25	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 15:10	06/08/25 15:10	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 17:27	KB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538461	1	06/14/25 08:37	06/14/25 12:36	KB	Mt. Juliet, TN

SAMPLE SUMMARY

MW2R L1867066-06

Collected by: Joshua Belanger
 Collected date/time: 06/05/25 11:00
 Received date/time: 06/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2533565	1	06/08/25 15:29	06/08/25 15:29	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2534932	1	06/11/25 16:10	06/12/25 18:54	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2540762	1	06/18/25 06:13	06/18/25 13:55	ADF	Mt. Juliet, TN

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

CASE NARRATIVE

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



Tony Gibson
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1440		25.0	1	06/12/2025 14:04	WG2535841

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	333		5.00	5	06/15/2025 23:17	WG2532762
Sulfate	330		25.0	5	06/15/2025 23:17	WG2532762

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

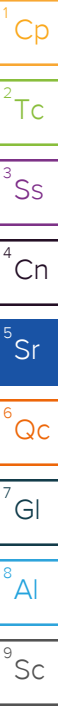
Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 13:53	WG2533565
Toluene	ND		1.00	1	06/08/2025 13:53	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 13:53	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 13:53	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 13:53	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 13:53	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 13:53	WG2533565
(S) Toluene-d8	105		80.0-120		06/08/2025 13:53	WG2533565
(S) 4-Bromofluorobenzene	97.4		77.0-126		06/08/2025 13:53	WG2533565
(S) 1,2-Dichloroethane-d4	112		70.0-130		06/08/2025 13:53	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Acenaphthene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Acenaphthylene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Fluorene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 16:52	WG2534932
Phenanthrene	0.0000636	B	0.0000500	1	06/12/2025 16:52	WG2534932
Phenanthrene	ND	Q	0.0000500	1	06/14/2025 19:52	WG2538460
Pyrene	ND		0.0000500	1	06/12/2025 16:52	WG2534932
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 16:52	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 16:52	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 16:52	WG2534932
(S) Nitrobenzene-d5	108		31.0-160		06/12/2025 16:52	WG2534932
(S) Nitrobenzene-d5	113		31.0-160		06/14/2025 19:52	WG2538460
(S) 2-Fluorobiphenyl	109		48.0-148		06/12/2025 16:52	WG2534932
(S) 2-Fluorobiphenyl	121		48.0-148		06/14/2025 19:52	WG2538460
(S) p-Terphenyl-d14	86.8		37.0-146		06/12/2025 16:52	WG2534932
(S) p-Terphenyl-d14	118		37.0-146		06/14/2025 19:52	WG2538460

Sample Narrative:

L1867066-01 WG2534932, WG2538460: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1040		20.0	1	06/12/2025 14:04	WG2535841

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	215		5.00	5	06/15/2025 23:31	WG2532762
Sulfate	238		25.0	5	06/15/2025 23:31	WG2532762

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 14:13	WG2533565
Toluene	ND		1.00	1	06/08/2025 14:13	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 14:13	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 14:13	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 14:13	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 14:13	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 14:13	WG2533565
(S) Toluene-d8	103		80.0-120		06/08/2025 14:13	WG2533565
(S) 4-Bromofluorobenzene	91.6		77.0-126		06/08/2025 14:13	WG2533565
(S) 1,2-Dichloroethane-d4	113		70.0-130		06/08/2025 14:13	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Acenaphthene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Acenaphthylene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Fluorene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 17:09	WG2534932
Phenanthrene	0.0000646	B	0.0000500	1	06/12/2025 17:09	WG2534932
Phenanthrene	ND	Q	0.0000500	1	06/14/2025 20:10	WG2538460
Pyrene	ND		0.0000500	1	06/12/2025 17:09	WG2534932
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 17:09	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 17:09	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 17:09	WG2534932
(S) Nitrobenzene-d5	110		31.0-160		06/12/2025 17:09	WG2534932
(S) Nitrobenzene-d5	126		31.0-160		06/14/2025 20:10	WG2538460
(S) 2-Fluorobiphenyl	101		48.0-148		06/12/2025 17:09	WG2534932
(S) 2-Fluorobiphenyl	126		48.0-148		06/14/2025 20:10	WG2538460
(S) p-Terphenyl-d14	92.1		37.0-146		06/12/2025 17:09	WG2534932
(S) p-Terphenyl-d14	127		37.0-146		06/14/2025 20:10	WG2538460

Sample Narrative:

L1867066-02 WG2534932, WG2538460: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	972		20.0	1	06/12/2025 14:04	WG2535841

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	133		5.00	5	06/15/2025 23:44	WG2532762
Sulfate	291		25.0	5	06/15/2025 23:44	WG2532762

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

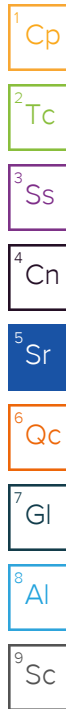
Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 14:32	WG2533565
Toluene	ND		1.00	1	06/08/2025 14:32	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 14:32	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 14:32	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 14:32	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 14:32	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 14:32	WG2533565
(S) Toluene-d8	95.3		80.0-120		06/08/2025 14:32	WG2533565
(S) 4-Bromofluorobenzene	97.7		77.0-126		06/08/2025 14:32	WG2533565
(S) 1,2-Dichloroethane-d4	116		70.0-130		06/08/2025 14:32	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Acenaphthene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Acenaphthylene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Fluorene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 15:07	WG2534932
Phenanthrene	0.0000670	B	0.0000500	1	06/12/2025 15:07	WG2534932
Phenanthrene	ND	Q	0.0000500	1	06/14/2025 20:28	WG2538460
Pyrene	ND		0.0000500	1	06/12/2025 15:07	WG2534932
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 15:07	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 15:07	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 15:07	WG2534932
(S) Nitrobenzene-d5	111		31.0-160		06/12/2025 15:07	WG2534932
(S) Nitrobenzene-d5	119		31.0-160		06/14/2025 20:28	WG2538460
(S) 2-Fluorobiphenyl	113		48.0-148		06/12/2025 15:07	WG2534932
(S) 2-Fluorobiphenyl	120		48.0-148		06/14/2025 20:28	WG2538460
(S) p-Terphenyl-d14	103		37.0-146		06/12/2025 15:07	WG2534932
(S) p-Terphenyl-d14	119		37.0-146		06/14/2025 20:28	WG2538460

Sample Narrative:

L1867066-03 WG2534932, WG2538460: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	948		20.0	1	06/12/2025 14:04	WG2535841

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	173		5.00	5	06/15/2025 23:58	WG2532762
Sulfate	247		25.0	5	06/15/2025 23:58	WG2532762

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

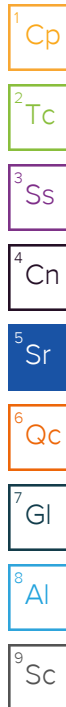
Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 14:51	WG2533565
Toluene	ND		1.00	1	06/08/2025 14:51	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 14:51	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 14:51	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 14:51	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 14:51	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 14:51	WG2533565
(S) Toluene-d8	103		80.0-120		06/08/2025 14:51	WG2533565
(S) 4-Bromofluorobenzene	93.1		77.0-126		06/08/2025 14:51	WG2533565
(S) 1,2-Dichloroethane-d4	109		70.0-130		06/08/2025 14:51	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Acenaphthene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Acenaphthylene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Fluorene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 15:25	WG2534932
Phenanthrene	0.0000640	B	0.0000500	1	06/12/2025 15:25	WG2534932
Phenanthrene	ND	Q	0.0000500	1	06/14/2025 20:47	WG2538460
Pyrene	ND		0.0000500	1	06/12/2025 15:25	WG2534932
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 15:25	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 15:25	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 15:25	WG2534932
(S) Nitrobenzene-d5	109		31.0-160		06/12/2025 15:25	WG2534932
(S) Nitrobenzene-d5	116		31.0-160		06/14/2025 20:47	WG2538460
(S) 2-Fluorobiphenyl	109		48.0-148		06/12/2025 15:25	WG2534932
(S) 2-Fluorobiphenyl	120		48.0-148		06/14/2025 20:47	WG2538460
(S) p-Terphenyl-d14	104		37.0-146		06/12/2025 15:25	WG2534932
(S) p-Terphenyl-d14	120		37.0-146		06/14/2025 20:47	WG2538460

Sample Narrative:

L1867066-04 WG2534932, WG2538460: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2820		50.0	1	06/12/2025 14:04	WG2535841

Wet Chemistry by Method 9056A

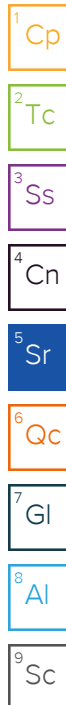
Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	764		10.0	10	06/16/2025 00:25	WG2532762
Sulfate	670		50.0	10	06/16/2025 00:25	WG2532762

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 15:10	WG2533565
Toluene	ND		1.00	1	06/08/2025 15:10	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 15:10	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 15:10	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 15:10	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 15:10	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 15:10	WG2533565
(S) Toluene-d8	102		80.0-120		06/08/2025 15:10	WG2533565
(S) 4-Bromofluorobenzene	92.5		77.0-126		06/08/2025 15:10	WG2533565
(S) 1,2-Dichloroethane-d4	112		70.0-130		06/08/2025 15:10	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Anthracene	ND	Q	0.0000500	1	06/14/2025 12:36	WG2538461
Acenaphthene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Acenaphthene	ND	Q	0.0000500	1	06/14/2025 12:36	WG2538461
Acenaphthylene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Chrysene	ND	Q	0.0000500	1	06/14/2025 12:36	WG2538461
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Fluoranthene	0.0000902	B Q	0.0000500	1	06/14/2025 12:36	WG2538461
Fluorene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 17:27	WG2534932
Phenanthrene	0.0000772	B	0.0000500	1	06/12/2025 17:27	WG2534932
Pyrene	ND		0.0000500	1	06/12/2025 17:27	WG2534932
Pyrene	0.0000814	B Q	0.0000500	1	06/14/2025 12:36	WG2538461
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 17:27	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 17:27	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 17:27	WG2534932
(S) Nitrobenzene-d5	117		31.0-160		06/12/2025 17:27	WG2534932
(S) Nitrobenzene-d5	87.9		31.0-160		06/14/2025 12:36	WG2538461
(S) 2-Fluorobiphenyl	113		48.0-148		06/12/2025 17:27	WG2534932
(S) 2-Fluorobiphenyl	101		48.0-148		06/14/2025 12:36	WG2538461
(S) p-Terphenyl-d14	103		37.0-146		06/12/2025 17:27	WG2534932



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	89.5		37.0-146		06/14/2025 12:36	WG2538461

Sample Narrative:

L1867066-05 WG2534932, WG2538461: Duplicate Analysis performed due to Blk contamination. Results don't confirm; both analyses reported

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

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2025 15:29	WG2533565
Toluene	ND		1.00	1	06/08/2025 15:29	WG2533565
Ethylbenzene	ND		1.00	1	06/08/2025 15:29	WG2533565
Xylenes, Total	ND		3.00	1	06/08/2025 15:29	WG2533565
Naphthalene	ND		5.00	1	06/08/2025 15:29	WG2533565
1,2,4-Trimethylbenzene	ND		1.00	1	06/08/2025 15:29	WG2533565
1,3,5-Trimethylbenzene	ND		1.00	1	06/08/2025 15:29	WG2533565
(S) Toluene-d8	97.7		80.0-120		06/08/2025 15:29	WG2533565
(S) 4-Bromofluorobenzene	94.9		77.0-126		06/08/2025 15:29	WG2533565
(S) 1,2-Dichloroethane-d4	112		70.0-130		06/08/2025 15:29	WG2533565

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Anthracene	ND	Q	0.0000500	1	06/18/2025 13:55	WG2540762
Acenaphthene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Acenaphthene	ND	Q	0.0000500	1	06/18/2025 13:55	WG2540762
Acenaphthylene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Benzo(a)anthracene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Benzo(a)pyrene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Benzo(b)fluoranthene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Benzo(g,h,i)perylene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Benzo(k)fluoranthene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Chrysene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Dibenz(a,h)anthracene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Fluoranthene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Fluoranthene	ND	Q	0.0000500	1	06/18/2025 13:55	WG2540762
Fluorene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Fluorene	ND	Q	0.0000500	1	06/18/2025 13:55	WG2540762
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
Naphthalene	ND		0.000250	1	06/12/2025 18:54	WG2534932
Naphthalene	ND		0.000250	1	06/18/2025 13:55	WG2540762
Phenanthrene	0.0000651	Q	0.0000500	1	06/12/2025 18:54	WG2534932
Phenanthrene	ND	Q	0.0000500	1	06/18/2025 13:55	WG2540762
Pyrene	ND		0.0000500	1	06/12/2025 18:54	WG2534932
1-Methylnaphthalene	ND		0.000250	1	06/12/2025 18:54	WG2534932
2-Methylnaphthalene	ND		0.000250	1	06/12/2025 18:54	WG2534932
2-Chloronaphthalene	ND		0.000250	1	06/12/2025 18:54	WG2534932
(S) Nitrobenzene-d5	105		31.0-160		06/12/2025 18:54	WG2534932
(S) Nitrobenzene-d5	81.6		31.0-160		06/18/2025 13:55	WG2540762
(S) 2-Fluorobiphenyl	98.9		48.0-148		06/12/2025 18:54	WG2534932
(S) 2-Fluorobiphenyl	76.3		48.0-148		06/18/2025 13:55	WG2540762
(S) p-Terphenyl-d14	78.4		37.0-146		06/12/2025 18:54	WG2534932
(S) p-Terphenyl-d14	65.8		37.0-146		06/18/2025 13:55	WG2540762

Sample Narrative:

L1867066-06 WG2534932, WG2540762: Duplicate Analysis performed due to BLK contamination. Results don't confirm; both analyses reported

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4230548-1 06/12/25 14:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		10.0	10.0

¹Cp

²Tc

³Ss

L1866904-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1866904-13 06/12/25 14:04 • (DUP) R4230548-3 06/12/25 14:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	5430	5540	1	2.01		10

⁴Cn

⁵Sr

L1866988-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1866988-09 06/12/25 14:04 • (DUP) R4230548-4 06/12/25 14:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2970	3060	1	3.15		10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4230548-2 06/12/25 14:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8780	99.8	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4231379-1 06/15/25 15:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		0.547	1.00
Sulfate	U		0.637	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1866919-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1866919-02 06/15/25 16:32 • (DUP) R4231379-3 06/15/25 16:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	3.25	3.64	1	11.4		15
Sulfate	26.1	26.0	1	0.320		15

L1866919-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1866919-03 06/15/25 17:26 • (DUP) R4231379-6 06/15/25 17:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	8.33	8.29	1	0.515		15

Laboratory Control Sample (LCS)

(LCS) R4231379-2 06/15/25 15:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	41.2	103	80.0-120	
Sulfate	40.0	41.6	104	80.0-120	

L1866919-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866919-02 06/15/25 16:32 • (MS) R4231379-4 06/15/25 16:59 • (MSD) R4231379-5 06/15/25 17:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	3.25	44.3	44.4	103	103	1	80.0-120			0.149	15
Sulfate	40.0	26.1	63.0	64.3	92.2	95.6	1	80.0-120			2.12	15

L1866919-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866919-03 06/15/25 17:26 • (MS) R4231379-7 06/15/25 17:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	8.33	49.2	102	1	80.0-120	
Sulfate	40.0	454	381	0.000	1	80.0-120	<u>EV</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4229029-3 06/08/25 07:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Xylenes, Total	U		0.174	3.00
Naphthalene	U		1.00	5.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	97.7			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4229029-1 06/08/25 05:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	5.00	100	70.0-123	
Toluene	5.00	4.84	96.8	79.0-120	
Ethylbenzene	5.00	4.69	93.8	79.0-123	
Xylenes, Total	15.0	14.3	95.3	79.0-123	
Naphthalene	5.00	4.12	82.4	54.0-135	
1,2,4-Trimethylbenzene	5.00	5.32	106	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.37	107	76.0-122	
(S) Toluene-d8			96.8	80.0-120	
(S) 4-Bromofluorobenzene			95.8	77.0-126	
(S) 1,2-Dichloroethane-d4			106	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) R4229567-3 06/12/25 12:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	0.0000284	U	0.0000210	0.0000500
Acenaphthene	0.0000321	U	0.0000202	0.0000500
Acenaphthylene	U		0.0000221	0.0000500
Benzo(a)anthracene	U		0.0000242	0.0000500
Benzo(a)pyrene	U		0.0000272	0.0000500
Benzo(b)fluoranthene	U		0.0000253	0.0000500
Benzo(g,h,i)perylene	U		0.0000335	0.0000500
Benzo(k)fluoranthene	U		0.0000254	0.0000500
Chrysene	U		0.0000257	0.0000500
Dibenz(a,h)anthracene	U		0.0000251	0.0000500
Fluoranthene	0.0000475	U	0.0000375	0.0000500
Fluorene	0.0000251	U	0.0000212	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000270	0.0000500
Naphthalene	0.000128	U	0.000118	0.000250
Phenanthrene	0.0000707		0.0000279	0.0000500
Pyrene	U		0.0000416	0.0000500
1-Methylnaphthalene	U		0.000112	0.000250
2-Methylnaphthalene	U		0.000117	0.000250
2-Chloronaphthalene	U		0.000111	0.000250
(S) Nitrobenzene-d5	120			31.0-160
(S) 2-Fluorobiphenyl	121			48.0-148
(S) p-Terphenyl-d14	123			37.0-146

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4229567-1 06/12/25 12:12 • (LCSD) R4229567-2 06/12/25 12:30

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 %
Anthracene	0.00200	0.00251	0.00238	126	119	67.0-150			5.32	20
Acenaphthene	0.00200	0.00234	0.00222	117	111	65.0-138			5.26	20
Acenaphthylene	0.00200	0.00252	0.00238	126	119	66.0-140			5.71	20
Benzo(a)anthracene	0.00200	0.00241	0.00232	120	116	61.0-140			3.81	20
Benzo(a)pyrene	0.00200	0.00212	0.00203	106	102	60.0-143			4.34	20
Benzo(b)fluoranthene	0.00200	0.00211	0.00201	105	100	58.0-141			4.85	20
Benzo(g,h,i)perylene	0.00200	0.00192	0.00181	96.0	90.5	52.0-153			5.90	20
Benzo(k)fluoranthene	0.00200	0.00205	0.00196	103	98.0	58.0-148			4.49	20
Chrysene	0.00200	0.00238	0.00230	119	115	64.0-144			3.42	20
Dibenz(a,h)anthracene	0.00200	0.00196	0.00186	98.0	93.0	52.0-155			5.24	20
Fluoranthene	0.00200	0.00254	0.00244	127	122	69.0-153			4.02	20

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

(LCS) R4229567-1 06/12/25 12:12 • (LCSD) R4229567-2 06/12/25 12:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Fluorene	0.00200	0.00247	0.00235	123	117	64.0-136			4.98	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00197	0.00186	98.5	93.0	54.0-153			5.74	20
Naphthalene	0.00200	0.00250	0.00238	125	119	61.0-137			4.92	20
Phenanthrene	0.00200	0.00248	0.00240	124	120	62.0-137			3.28	20
Pyrene	0.00200	0.00226	0.00215	113	107	60.0-142			4.99	20
1-Methylnaphthalene	0.00200	0.00254	0.00243	127	122	66.0-142			4.43	20
2-Methylnaphthalene	0.00200	0.00247	0.00235	123	117	62.0-136			4.98	20
2-Chloronaphthalene	0.00200	0.00240	0.00227	120	114	64.0-140			5.57	20
<i>(S)</i> Nitrobenzene-d5				0.000	0.000	31.0-160	<u>J2</u>	<u>J2</u>		
<i>(S)</i> 2-Fluorobiphenyl				0.000	0.000	48.0-148	<u>J2</u>	<u>J2</u>		
<i>(S)</i> p-Terphenyl-d14				0.000	0.000	37.0-146	<u>J2</u>	<u>J2</u>		

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

Method Blank (MB)

(MB) R4233445-3 06/14/25 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.0000279	0.0000500
(S) Nitrobenzene-d5	119			31.0-160
(S) 2-Fluorobiphenyl	126			48.0-148
(S) p-Terphenyl-d14	128			37.0-146

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

(LCS) R4233445-1 06/14/25 14:30 • (LCSD) R4233445-2 06/14/25 14:48

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 %
Phenanthrene	0.00200	0.00265	0.00250	133	125	62.0-137			5.83	20
(S) Nitrobenzene-d5				122	116	31.0-160				
(S) 2-Fluorobiphenyl				136	128	48.0-148				
(S) p-Terphenyl-d14				133	121	37.0-146				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4230944-3 06/14/25 12:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	0.0000227	U	0.0000210	0.0000500
Acenaphthene	U		0.0000202	0.0000500
Chrysene	0.0000391	U	0.0000257	0.0000500
Fluoranthene	0.000134		0.0000375	0.0000500
Pyrene	0.000120		0.0000416	0.0000500
(S) Nitrobenzene-d5	92.5			31.0-160
(S) 2-Fluorobiphenyl	107			48.0-148
(S) p-Terphenyl-d14	92.0			37.0-146

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

(LCS) R4230944-1 06/14/25 11:43 • (LCSD) R4230944-2 06/14/25 12:01

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 %
Anthracene	0.00200	0.00203	0.00209	102	104	67.0-150			2.91	20
Acenaphthene	0.00200	0.00198	0.00204	99.0	102	65.0-138			2.99	20
Chrysene	0.00200	0.00209	0.00215	104	107	64.0-144			2.83	20
Fluoranthene	0.00200	0.00236	0.00256	118	128	69.0-153			8.13	20
Pyrene	0.00200	0.00197	0.00211	98.5	105	60.0-142			6.86	20
(S) Nitrobenzene-d5				98.0	96.0	31.0-160				
(S) 2-Fluorobiphenyl				104	105	48.0-148				
(S) p-Terphenyl-d14				91.0	90.0	37.0-146				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4233248-3 06/18/25 12:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Anthracene	U		0.0000210	0.0000500
Acenaphthene	U		0.0000202	0.0000500
Fluoranthene	U		0.0000375	0.0000500
Fluorene	U		0.0000212	0.0000500
Naphthalene	0.000160	U	0.000118	0.000250
Phenanthrene	U		0.0000279	0.0000500
<i>(S) Nitrobenzene-d5</i>	88.5			31.0-160
<i>(S) 2-Fluorobiphenyl</i>	96.5			48.0-148
<i>(S) p-Terphenyl-d14</i>	92.5			37.0-146

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

(LCS) R4233248-1 06/18/25 11:09 • (LCSD) R4233248-2 06/18/25 12:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Anthracene	0.00200	0.00165	0.00166	82.5	83.0	67.0-150			0.604	20
Acenaphthene	0.00200	0.00168	0.00167	84.0	83.5	65.0-138			0.597	20
Fluoranthene	0.00200	0.00182	0.00184	91.0	92.0	69.0-153			1.09	20
Fluorene	0.00200	0.00189	0.00193	94.5	96.5	64.0-136			2.09	20
Naphthalene	0.00200	0.00184	0.00191	92.0	95.5	61.0-137			3.73	20
Phenanthrene	0.00200	0.00188	0.00189	94.0	94.5	62.0-137			0.531	20
<i>(S) Nitrobenzene-d5</i>				88.5	88.0	31.0-160				
<i>(S) 2-Fluorobiphenyl</i>				84.0	91.5	48.0-148				
<i>(S) p-Terphenyl-d14</i>				90.0	89.5	37.0-146				

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

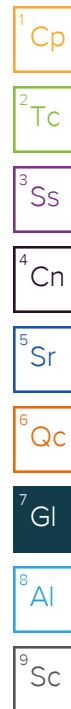
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

