

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1701885
Samples Received: 02/02/2024
Project Number: 2060.012.008
Description:

Report To: Ellen Woods
700 NE Multnomah St. #600
Portland, OR 97124

Entire Report Reviewed By:



Shane Gambill
Project Manager

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Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

SAMPLE SUMMARY

IDW-W L1701885-01 GW

				Collected by BW / RK	Collected date/time 01/31/24 09:00	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219811	1	02/06/24 19:12	02/07/24 16:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	10	02/08/24 16:16	02/08/24 16:16	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2221098	1	02/07/24 04:59	02/07/24 04:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1	02/12/24 21:10	02/14/24 02:54	MAA	Mt. Juliet, TN

IDW-S L1701885-02 Solid

				Collected by BW / RK	Collected date/time 01/31/24 08:55	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220148	1	02/06/24 11:16	02/06/24 11:31	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219651	5	02/05/24 03:34	02/05/24 18:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25	01/31/24 08:55	02/06/24 23:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/31/24 08:55	02/08/24 02:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 13:11	JAS	Mt. Juliet, TN

P5 L1701885-03 GW

				Collected by BW / RK	Collected date/time 01/31/24 08:10	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219811	1	02/06/24 19:12	02/07/24 16:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 16:39	02/08/24 16:39	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 19:01	02/04/24 19:01	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.04	02/12/24 21:10	02/14/24 03:14	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2223787	1	02/10/24 19:58	02/12/24 14:13	AGW	Mt. Juliet, TN

P5-S1 L1701885-04 Solid

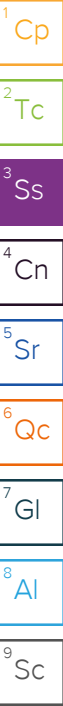
				Collected by BW / RK	Collected date/time 01/31/24 08:10	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220148	1	02/06/24 11:16	02/06/24 11:31	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219651	5	02/05/24 03:34	02/05/24 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25	01/31/24 08:10	02/07/24 00:06	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 10:21	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 02:33	AGW	Mt. Juliet, TN

P5-S2 L1701885-05 Solid

				Collected by BW / RK	Collected date/time 01/31/24 08:15	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220148	1	02/06/24 11:16	02/06/24 11:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/31/24 08:15	02/08/24 02:46	DWR	Mt. Juliet, TN

P5-S3 L1701885-06 Solid

				Collected by BW / RK	Collected date/time 01/31/24 08:20	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220148	1	02/06/24 11:16	02/06/24 11:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25	01/31/24 08:20	02/07/24 00:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/31/24 08:20	02/08/24 03:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 12:56	JAS	Mt. Juliet, TN



SAMPLE SUMMARY

P1-S1 L1701885-10 Solid

				Collected by BW / RK	Collected date/time 01/30/24 11:50	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219653	5	02/04/24 08:58	02/04/24 22:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25	01/30/24 11:50	02/07/24 00:56	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 14:23	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 02:53	AGW	Mt. Juliet, TN

P1-S2 L1701885-11 Solid

				Collected by BW / RK	Collected date/time 01/30/24 11:55	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219653	5	02/04/24 08:58	02/04/24 22:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221972	25	01/30/24 11:55	02/08/24 12:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/30/24 11:55	02/08/24 03:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	5	02/12/24 22:20	02/13/24 16:27	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 05:50	AGW	Mt. Juliet, TN

P1-S3 L1701885-12 Solid

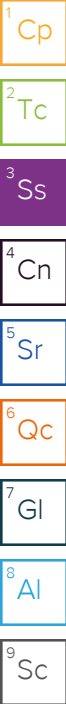
				Collected by BW / RK	Collected date/time 01/30/24 12:00	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	25	01/30/24 12:00	02/07/24 05:49	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 14:09	JAS	Mt. Juliet, TN

P2-S2 L1701885-15 Solid

				Collected by BW / RK	Collected date/time 01/30/24 13:00	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219653	5	02/04/24 08:58	02/04/24 22:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	36	01/30/24 13:00	02/07/24 06:08	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1.44	01/30/24 13:00	02/08/24 03:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 14:37	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 04:51	AGW	Mt. Juliet, TN

P2-S3 L1701885-16 Solid

				Collected by BW / RK	Collected date/time 01/30/24 13:05	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	25	01/30/24 13:05	02/07/24 06:27	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/30/24 13:05	02/08/24 04:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 13:39	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	5	02/12/24 22:20	02/13/24 17:38	NH	Mt. Juliet, TN



SAMPLE SUMMARY

P3-S3 L1701885-21 Solid

				Collected by BW / RK	Collected date/time 01/30/24 14:10	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	25	01/30/24 14:10	02/07/24 06:46	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 11:18	JAS	Mt. Juliet, TN

P3-S4 L1701885-22 Solid

				Collected by BW / RK	Collected date/time 01/30/24 14:15	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2219653	5	02/04/24 08:58	02/04/24 22:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	37.3	01/30/24 14:15	02/07/24 07:06	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1.49	01/30/24 14:15	02/08/24 04:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 12:42	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 03:13	AGW	Mt. Juliet, TN

P4-S2 L1701885-26 Solid

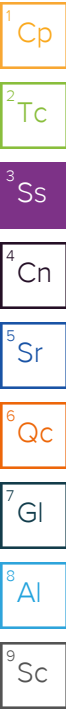
				Collected by BW / RK	Collected date/time 01/30/24 15:15	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	25	01/30/24 15:15	02/07/24 07:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/30/24 15:15	02/08/24 04:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 12:28	JAS	Mt. Juliet, TN

P1 L1701885-29 GW

				Collected by BW / RK	Collected date/time 01/30/24 12:05	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 20:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 17:02	02/08/24 17:02	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 19:23	02/04/24 19:23	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.01	02/12/24 21:10	02/14/24 03:34	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	2	02/04/24 12:08	02/05/24 18:00	MKM	Mt. Juliet, TN

P2 L1701885-30 GW

				Collected by BW / RK	Collected date/time 01/30/24 13:00	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 20:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 17:24	02/08/24 17:24	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 19:45	02/04/24 19:45	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.03	02/12/24 21:10	02/14/24 03:54	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	5.15	02/12/24 21:10	02/19/24 13:54	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	2	02/04/24 12:08	02/05/24 18:18	MKM	Mt. Juliet, TN



SAMPLE SUMMARY

P3 L1701885-31 GW

				Collected by BW / RK	Collected date/time 01/30/24 14:15	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 20:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 17:47	02/08/24 17:47	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 20:07	02/04/24 20:07	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2225625	1	02/13/24 22:16	02/14/24 02:30	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	1	02/04/24 12:08	02/05/24 15:03	MKM	Mt. Juliet, TN

P4 L1701885-32 GW

				Collected by BW / RK	Collected date/time 01/30/24 15:20	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 20:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 18:10	02/08/24 18:10	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 20:29	02/04/24 20:29	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.04	02/12/24 21:10	02/14/24 04:14	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	1	02/04/24 12:08	02/05/24 15:20	MKM	Mt. Juliet, TN

MW-1 L1701885-33 GW

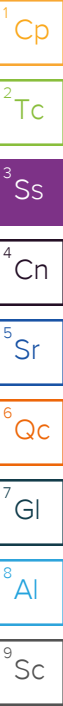
				Collected by BW / RK	Collected date/time 01/30/24 16:10	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 19:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 18:32	02/08/24 18:32	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 20:51	02/04/24 20:51	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.05	02/12/24 21:10	02/14/24 04:35	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	1	02/04/24 12:08	02/05/24 15:38	MKM	Mt. Juliet, TN

P1-D L1701885-34 GW

				Collected by BW / RK	Collected date/time 01/30/24 12:06	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2219791	1	02/05/24 14:40	02/05/24 21:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2222440	1	02/08/24 18:55	02/08/24 18:55	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219844	1	02/04/24 21:13	02/04/24 21:13	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.02	02/12/24 21:10	02/14/24 04:55	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219640	2	02/04/24 12:08	02/05/24 18:36	MKM	Mt. Juliet, TN

P3-S4-D L1701885-36 Solid

				Collected by BW / RK	Collected date/time 01/30/24 14:16	Received date/time 02/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2220149	1	02/06/24 10:57	02/06/24 11:09	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221255	25	01/30/24 14:16	02/07/24 07:44	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221289	1	01/30/24 14:16	02/08/24 04:59	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224396	1	02/12/24 22:20	02/13/24 10:45	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2220596	1	02/07/24 04:43	02/08/24 03:33	AGW	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.



Shane Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 02/20/24 13:38

Project Narrative

Revision: Sample Id for P5-S4-D was changed to P3-S4-D according to the chain of custody.



Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	30.6		0.849	2.00	1	02/07/2024 16:16	WG2219811

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	711	B J	316	1000	10	02/08/2024 16:16	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/08/2024 16:16	WG2222440

Sample Narrative:

L1701885-01 WG2222440: Lowest possible dilution due to sample foaming.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/07/2024 04:59	WG2221098
Acrolein	U		2.54	50.0	1	02/07/2024 04:59	WG2221098
Acrylonitrile	U		0.671	10.0	1	02/07/2024 04:59	WG2221098
Benzene	U		0.0941	1.00	1	02/07/2024 04:59	WG2221098
Bromobenzene	U		0.118	1.00	1	02/07/2024 04:59	WG2221098
Bromodichloromethane	U		0.136	1.00	1	02/07/2024 04:59	WG2221098
Bromoform	U		0.129	1.00	1	02/07/2024 04:59	WG2221098
Bromomethane	U		0.605	5.00	1	02/07/2024 04:59	WG2221098
n-Butylbenzene	U		0.157	1.00	1	02/07/2024 04:59	WG2221098
sec-Butylbenzene	U		0.125	1.00	1	02/07/2024 04:59	WG2221098
tert-Butylbenzene	U		0.127	1.00	1	02/07/2024 04:59	WG2221098
Carbon tetrachloride	U		0.128	1.00	1	02/07/2024 04:59	WG2221098
Chlorobenzene	U		0.116	1.00	1	02/07/2024 04:59	WG2221098
Chlorodibromomethane	U		0.140	1.00	1	02/07/2024 04:59	WG2221098
Chloroethane	U		0.192	5.00	1	02/07/2024 04:59	WG2221098
Chloroform	U		0.111	5.00	1	02/07/2024 04:59	WG2221098
Chloromethane	U		0.960	2.50	1	02/07/2024 04:59	WG2221098
2-Chlorotoluene	U		0.106	1.00	1	02/07/2024 04:59	WG2221098
4-Chlorotoluene	U		0.114	1.00	1	02/07/2024 04:59	WG2221098
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/07/2024 04:59	WG2221098
1,2-Dibromoethane	U		0.126	1.00	1	02/07/2024 04:59	WG2221098
Dibromomethane	U		0.122	1.00	1	02/07/2024 04:59	WG2221098
1,2-Dichlorobenzene	U		0.107	1.00	1	02/07/2024 04:59	WG2221098
1,3-Dichlorobenzene	U		0.110	1.00	1	02/07/2024 04:59	WG2221098
1,4-Dichlorobenzene	U		0.120	1.00	1	02/07/2024 04:59	WG2221098
Dichlorodifluoromethane	U		0.374	5.00	1	02/07/2024 04:59	WG2221098
1,1-Dichloroethane	U		0.100	1.00	1	02/07/2024 04:59	WG2221098
1,2-Dichloroethane	U		0.0819	1.00	1	02/07/2024 04:59	WG2221098
1,1-Dichloroethene	U		0.188	1.00	1	02/07/2024 04:59	WG2221098
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/07/2024 04:59	WG2221098
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/07/2024 04:59	WG2221098
1,2-Dichloropropane	U		0.149	1.00	1	02/07/2024 04:59	WG2221098
1,1-Dichloropropene	U		0.142	1.00	1	02/07/2024 04:59	WG2221098
1,3-Dichloropropane	U		0.110	1.00	1	02/07/2024 04:59	WG2221098
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/07/2024 04:59	WG2221098
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/07/2024 04:59	WG2221098
2,2-Dichloropropane	U		0.161	1.00	1	02/07/2024 04:59	WG2221098
Di-isopropyl ether	U		0.105	1.00	1	02/07/2024 04:59	WG2221098
Ethylbenzene	0.222	J	0.137	1.00	1	02/07/2024 04:59	WG2221098
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/07/2024 04:59	WG2221098

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	02/07/2024 04:59	WG2221098
p-Isopropyltoluene	U		0.120	1.00	1	02/07/2024 04:59	WG2221098
2-Butanone (MEK)	12.6		1.19	10.0	1	02/07/2024 04:59	WG2221098
Methylene Chloride	U		0.430	5.00	1	02/07/2024 04:59	WG2221098
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/07/2024 04:59	WG2221098
Methyl tert-butyl ether	U		0.101	1.00	1	02/07/2024 04:59	WG2221098
Naphthalene	U		1.00	5.00	1	02/07/2024 04:59	WG2221098
n-Propylbenzene	U		0.0993	1.00	1	02/07/2024 04:59	WG2221098
Styrene	U		0.118	1.00	1	02/07/2024 04:59	WG2221098
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/07/2024 04:59	WG2221098
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/07/2024 04:59	WG2221098
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/07/2024 04:59	WG2221098
Tetrachloroethene	U		0.300	1.00	1	02/07/2024 04:59	WG2221098
Toluene	9.41		0.278	1.00	1	02/07/2024 04:59	WG2221098
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/07/2024 04:59	WG2221098
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/07/2024 04:59	WG2221098
1,1,1-Trichloroethane	U		0.149	1.00	1	02/07/2024 04:59	WG2221098
1,1,2-Trichloroethane	U		0.158	1.00	1	02/07/2024 04:59	WG2221098
Trichloroethene	U		0.190	1.00	1	02/07/2024 04:59	WG2221098
Trichlorofluoromethane	U		0.160	5.00	1	02/07/2024 04:59	WG2221098
1,2,3-Trichloropropane	U		0.237	2.50	1	02/07/2024 04:59	WG2221098
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/07/2024 04:59	WG2221098
1,2,3-Trimethylbenzene	0.127	U	0.104	1.00	1	02/07/2024 04:59	WG2221098
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/07/2024 04:59	WG2221098
Vinyl chloride	U		0.234	1.00	1	02/07/2024 04:59	WG2221098
Xylenes, Total	0.779	U	0.174	3.00	1	02/07/2024 04:59	WG2221098
(S) Toluene-d8	110			80.0-120		02/07/2024 04:59	WG2221098
(S) 4-Bromofluorobenzene	108			77.0-126		02/07/2024 04:59	WG2221098
(S) 1,2-Dichloroethane-d4	121			70.0-130		02/07/2024 04:59	WG2221098

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1670		33.3	100	1	02/14/2024 02:54	WG2224397
Residual Range Organics (RRO)	847		83.3	250	1	02/14/2024 02:54	WG2224397
(S) o-Terphenyl	64.5			31.0-160		02/14/2024 02:54	WG2224397

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	80.7		1	02/06/2024 11:31	WG2220148

Metals (ICPMS) by Method 6020

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Lead	14.4		0.123	2.48	5	02/05/2024 18:46	WG2219651

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	40.0		1.28	3.78	25	02/06/2024 23:43	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	90.0			77.0-120		02/06/2024 23:43	WG2221007

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0552	0.0757	1	02/08/2024 02:27	WG2221289
Acrylonitrile	U		0.00546	0.0189	1	02/08/2024 02:27	WG2221289
Benzene	U		0.000707	0.00151	1	02/08/2024 02:27	WG2221289
Bromobenzene	U		0.00136	0.0189	1	02/08/2024 02:27	WG2221289
Bromodichloromethane	U		0.00110	0.00378	1	02/08/2024 02:27	WG2221289
Bromoform	U		0.00177	0.0378	1	02/08/2024 02:27	WG2221289
Bromomethane	U		0.00298	0.0189	1	02/08/2024 02:27	WG2221289
n-Butylbenzene	0.0430		0.00795	0.0189	1	02/08/2024 02:27	WG2221289
sec-Butylbenzene	0.0148	J	0.00436	0.0189	1	02/08/2024 02:27	WG2221289
tert-Butylbenzene	U		0.00295	0.00757	1	02/08/2024 02:27	WG2221289
Carbon disulfide	U		0.00106	0.0189	1	02/08/2024 02:27	WG2221289
Carbon tetrachloride	U		0.00136	0.00757	1	02/08/2024 02:27	WG2221289
Chlorobenzene	U		0.000318	0.00378	1	02/08/2024 02:27	WG2221289
Chlorodibromomethane	U		0.000926	0.00378	1	02/08/2024 02:27	WG2221289
Chloroethane	U		0.00257	0.00757	1	02/08/2024 02:27	WG2221289
Chloroform	0.00316	B J	0.00156	0.00378	1	02/08/2024 02:27	WG2221289
Chloromethane	U	J3 J4	0.00658	0.0189	1	02/08/2024 02:27	WG2221289
2-Chlorotoluene	U		0.00131	0.00378	1	02/08/2024 02:27	WG2221289
4-Chlorotoluene	U		0.000681	0.00757	1	02/08/2024 02:27	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00590	0.0378	1	02/08/2024 02:27	WG2221289
1,2-Dibromoethane	U		0.000981	0.00378	1	02/08/2024 02:27	WG2221289
Dibromomethane	U		0.00114	0.00757	1	02/08/2024 02:27	WG2221289
1,2-Dichlorobenzene	U		0.000643	0.00757	1	02/08/2024 02:27	WG2221289
1,3-Dichlorobenzene	U		0.000908	0.00757	1	02/08/2024 02:27	WG2221289
1,4-Dichlorobenzene	U		0.00106	0.00757	1	02/08/2024 02:27	WG2221289
Dichlorodifluoromethane	U		0.00244	0.00757	1	02/08/2024 02:27	WG2221289
1,1-Dichloroethane	U		0.000743	0.00378	1	02/08/2024 02:27	WG2221289
1,2-Dichloroethane	U		0.000982	0.00378	1	02/08/2024 02:27	WG2221289
1,1-Dichloroethene	U		0.000917	0.00378	1	02/08/2024 02:27	WG2221289
cis-1,2-Dichloroethene	U		0.00111	0.00378	1	02/08/2024 02:27	WG2221289
trans-1,2-Dichloroethene	U		0.00157	0.00757	1	02/08/2024 02:27	WG2221289
1,2-Dichloropropane	U		0.00215	0.00757	1	02/08/2024 02:27	WG2221289
1,1-Dichloropropene	U		0.00122	0.00378	1	02/08/2024 02:27	WG2221289
1,3-Dichloropropane	U		0.000758	0.00757	1	02/08/2024 02:27	WG2221289
cis-1,3-Dichloropropene	U		0.00115	0.00378	1	02/08/2024 02:27	WG2221289
trans-1,3-Dichloropropene	U		0.00173	0.00757	1	02/08/2024 02:27	WG2221289
2,2-Dichloropropane	U		0.00209	0.00378	1	02/08/2024 02:27	WG2221289
Di-isopropyl ether	U	C3	0.000621	0.00151	1	02/08/2024 02:27	WG2221289

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 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.00112	0.00378	1	02/08/2024 02:27	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00908	0.0378	1	02/08/2024 02:27	WG2221289
Isopropylbenzene	0.00384		0.000643	0.00378	1	02/08/2024 02:27	WG2221289
p-Isopropyltoluene	U		0.00386	0.00757	1	02/08/2024 02:27	WG2221289
2-Butanone (MEK)	U		0.0961	0.151	1	02/08/2024 02:27	WG2221289
Methylene Chloride	0.0159	B J	0.0101	0.0378	1	02/08/2024 02:27	WG2221289
4-Methyl-2-pentanone (MIBK)	U		0.00345	0.0378	1	02/08/2024 02:27	WG2221289
Methyl tert-butyl ether	U		0.000530	0.00151	1	02/08/2024 02:27	WG2221289
Naphthalene	U	C3	0.00739	0.0189	1	02/08/2024 02:27	WG2221289
n-Propylbenzene	0.00684	J	0.00144	0.00757	1	02/08/2024 02:27	WG2221289
Styrene	U		0.000347	0.0189	1	02/08/2024 02:27	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00143	0.00378	1	02/08/2024 02:27	WG2221289
1,1,2,2-Tetrachloroethane	U		0.00105	0.00378	1	02/08/2024 02:27	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00114	0.00378	1	02/08/2024 02:27	WG2221289
Tetrachloroethene	U		0.00136	0.00378	1	02/08/2024 02:27	WG2221289
Toluene	0.0148		0.00197	0.00757	1	02/08/2024 02:27	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0111	0.0189	1	02/08/2024 02:27	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00666	0.0189	1	02/08/2024 02:27	WG2221289
1,1,1-Trichloroethane	U		0.00140	0.00378	1	02/08/2024 02:27	WG2221289
1,1,2-Trichloroethane	U	J3	0.000904	0.00378	1	02/08/2024 02:27	WG2221289
Trichloroethene	U		0.000884	0.00151	1	02/08/2024 02:27	WG2221289
Trichlorofluoromethane	U		0.00125	0.00378	1	02/08/2024 02:27	WG2221289
1,2,3-Trichloropropane	U		0.00245	0.0189	1	02/08/2024 02:27	WG2221289
1,2,4-Trimethylbenzene	U		0.00239	0.00757	1	02/08/2024 02:27	WG2221289
1,2,3-Trimethylbenzene	U		0.00239	0.00757	1	02/08/2024 02:27	WG2221289
1,3,5-Trimethylbenzene	U		0.00303	0.00757	1	02/08/2024 02:27	WG2221289
Vinyl chloride	U	J3	0.00176	0.00378	1	02/08/2024 02:27	WG2221289
Xylenes, Total	0.00451	J	0.00133	0.00984	1	02/08/2024 02:27	WG2221289
(S) Toluene-d8	103			75.0-131		02/08/2024 02:27	WG2221289
(S) 4-Bromofluorobenzene	105			67.0-138		02/08/2024 02:27	WG2221289
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/08/2024 02:27	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6.44		1.65	4.96	1	02/13/2024 13:11	WG2224396
Residual Range Organics (RRO)	U		4.13	12.4	1	02/13/2024 13:11	WG2224396
(S) o-Terphenyl	40.7			18.0-148		02/13/2024 13:11	WG2224396

Sample Narrative:
L1701885-02 WG2224396: Sample resembles laboratory standard for Diesel.

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		0.849	2.00	1	02/07/2024 16:26	WG2219811

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	52.9	B J	31.6	100	1	02/08/2024 16:39	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/08/2024 16:39	WG2222440

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 19:01	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 19:01	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 19:01	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 19:01	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 19:01	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 19:01	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 19:01	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 19:01	WG2219844
n-Butylbenzene	U		0.157	1.00	1	02/04/2024 19:01	WG2219844
sec-Butylbenzene	U		0.125	1.00	1	02/04/2024 19:01	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 19:01	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 19:01	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 19:01	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 19:01	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 19:01	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 19:01	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 19:01	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 19:01	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 19:01	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 19:01	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 19:01	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 19:01	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 19:01	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 19:01	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 19:01	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 19:01	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 19:01	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 19:01	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 19:01	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 19:01	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 19:01	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 19:01	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 19:01	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 19:01	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 19:01	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 19:01	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 19:01	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 19:01	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 19:01	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 19:01	WG2219844
Isopropylbenzene	U		0.105	1.00	1	02/04/2024 19:01	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 19:01	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 19:01	WG2219844

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 19:01	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 19:01	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 19:01	WG2219844
Naphthalene	1.55	<u>J</u>	1.00	5.00	1	02/04/2024 19:01	WG2219844
n-Propylbenzene	U		0.0993	1.00	1	02/04/2024 19:01	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 19:01	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 19:01	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 19:01	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 19:01	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 19:01	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 19:01	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 19:01	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 19:01	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 19:01	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 19:01	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 19:01	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 19:01	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 19:01	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 19:01	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 19:01	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 19:01	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 19:01	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 19:01	WG2219844
(S) Toluene-d8	106			80.0-120		02/04/2024 19:01	WG2219844
(S) 4-Bromofluorobenzene	92.8			77.0-126		02/04/2024 19:01	WG2219844
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/04/2024 19:01	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	796		34.6	104	1.04	02/14/2024 03:14	WG2224397
Residual Range Organics (RRO)	261		86.6	260	1.04	02/14/2024 03:14	WG2224397
(S) o-Terphenyl	33.1			31.0-160		02/14/2024 03:14	WG2224397

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U	<u>T8</u>	0.0190	0.0500	1	02/12/2024 14:13	WG2223787
Acenaphthene	0.291	<u>T8</u>	0.0190	0.0500	1	02/12/2024 14:13	WG2223787
Acenaphthylene	U	<u>T8</u>	0.0171	0.0500	1	02/12/2024 14:13	WG2223787
Benzo(a)anthracene	U	<u>T8</u>	0.0203	0.0500	1	02/12/2024 14:13	WG2223787
Benzo(a)pyrene	U	<u>T8</u>	0.0184	0.0500	1	02/12/2024 14:13	WG2223787
Benzo(b)fluoranthene	U	<u>T8</u>	0.0168	0.0500	1	02/12/2024 14:13	WG2223787
Benzo(g,h,i)perylene	U	<u>T8</u>	0.0184	0.0500	1	02/12/2024 14:13	WG2223787
Benzo(k)fluoranthene	U	<u>T8</u>	0.0202	0.0500	1	02/12/2024 14:13	WG2223787
Chrysene	U	<u>T8</u>	0.0179	0.0500	1	02/12/2024 14:13	WG2223787
Dibenz(a,h)anthracene	U	<u>T8</u>	0.0160	0.0500	1	02/12/2024 14:13	WG2223787
Fluoranthene	U	<u>T8</u>	0.0270	0.100	1	02/12/2024 14:13	WG2223787
Fluorene	0.428	<u>T8</u>	0.0169	0.0500	1	02/12/2024 14:13	WG2223787
Indeno(1,2,3-cd)pyrene	U	<u>T8</u>	0.0158	0.0500	1	02/12/2024 14:13	WG2223787
Naphthalene	0.117	<u>J T8</u>	0.0917	0.250	1	02/12/2024 14:13	WG2223787
Phenanthrene	U	<u>T8</u>	0.0180	0.0500	1	02/12/2024 14:13	WG2223787
Pyrene	0.0478	<u>J T8</u>	0.0169	0.0500	1	02/12/2024 14:13	WG2223787
1-Methylnaphthalene	U	<u>T8</u>	0.0687	0.250	1	02/12/2024 14:13	WG2223787
2-Methylnaphthalene	U	<u>T8</u>	0.0674	0.250	1	02/12/2024 14:13	WG2223787

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U	T8	0.0682	0.250	1	02/12/2024 14:13	WG2223787
(S) Nitrobenzene-d5	87.9			31.0-160		02/12/2024 14:13	WG2223787
(S) 2-Fluorobiphenyl	92.1			48.0-148		02/12/2024 14:13	WG2223787
(S) p-Terphenyl-d14	71.1			37.0-146		02/12/2024 14:13	WG2223787

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	70.2		1	02/06/2024 11:31	WG2220148

Metals (ICPMS) by Method 6020

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Lead	18.7		0.141	2.85	5	02/05/2024 18:50	WG2219651

Volatile Organic Compounds (GC) by Method NWTPHGX

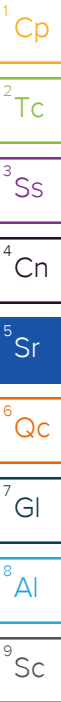
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.02	B J	1.65	4.87	25	02/07/2024 00:06	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	96.3			77.0-120		02/07/2024 00:06	WG2221007

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.89	5.70	1	02/13/2024 10:21	WG2224396
Residual Range Organics (RRO)	U		4.74	14.2	1	02/13/2024 10:21	WG2224396
(S) o-Terphenyl	37.9			18.0-148		02/13/2024 10:21	WG2224396

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00328	0.00855	1	02/08/2024 02:33	WG2220596
Acenaphthene	U		0.00298	0.00855	1	02/08/2024 02:33	WG2220596
Acenaphthylene	U		0.00308	0.00855	1	02/08/2024 02:33	WG2220596
Benzo(a)anthracene	U		0.00246	0.00855	1	02/08/2024 02:33	WG2220596
Benzo(a)pyrene	U		0.00255	0.00855	1	02/08/2024 02:33	WG2220596
Benzo(b)fluoranthene	U		0.00218	0.00855	1	02/08/2024 02:33	WG2220596
Benzo(g,h,i)perylene	U		0.00252	0.00855	1	02/08/2024 02:33	WG2220596
Benzo(k)fluoranthene	U		0.00306	0.00855	1	02/08/2024 02:33	WG2220596
Chrysene	U		0.00331	0.00855	1	02/08/2024 02:33	WG2220596
Dibenz(a,h)anthracene	U		0.00245	0.00855	1	02/08/2024 02:33	WG2220596
Fluoranthene	U		0.00323	0.00855	1	02/08/2024 02:33	WG2220596
Fluorene	U		0.00292	0.00855	1	02/08/2024 02:33	WG2220596
Indeno(1,2,3-cd)pyrene	U		0.00258	0.00855	1	02/08/2024 02:33	WG2220596
Naphthalene	U		0.00581	0.0285	1	02/08/2024 02:33	WG2220596
Phenanthrene	U		0.00329	0.00855	1	02/08/2024 02:33	WG2220596
Pyrene	U		0.00285	0.00855	1	02/08/2024 02:33	WG2220596
1-Methylnaphthalene	U		0.00640	0.0285	1	02/08/2024 02:33	WG2220596
2-Methylnaphthalene	U		0.00608	0.0285	1	02/08/2024 02:33	WG2220596
2-Chloronaphthalene	U		0.00664	0.0285	1	02/08/2024 02:33	WG2220596
(S) p-Terphenyl-d14	65.2			23.0-120		02/08/2024 02:33	WG2220596
(S) Nitrobenzene-d5	83.8			14.0-149		02/08/2024 02:33	WG2220596
(S) 2-Fluorobiphenyl	55.4			34.0-125		02/08/2024 02:33	WG2220596



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.4		1	02/06/2024 11:31	WG2220148

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0541	0.0741	1	02/08/2024 02:46	WG2221289
Acrylonitrile	U		0.00535	0.0185	1	02/08/2024 02:46	WG2221289
Benzene	U		0.000692	0.00148	1	02/08/2024 02:46	WG2221289
Bromobenzene	U		0.00133	0.0185	1	02/08/2024 02:46	WG2221289
Bromodichloromethane	U		0.00107	0.00370	1	02/08/2024 02:46	WG2221289
Bromoform	U		0.00173	0.0370	1	02/08/2024 02:46	WG2221289
Bromomethane	U		0.00292	0.0185	1	02/08/2024 02:46	WG2221289
n-Butylbenzene	U		0.00778	0.0185	1	02/08/2024 02:46	WG2221289
sec-Butylbenzene	U		0.00427	0.0185	1	02/08/2024 02:46	WG2221289
tert-Butylbenzene	U		0.00289	0.00741	1	02/08/2024 02:46	WG2221289
Carbon disulfide	U		0.00104	0.0185	1	02/08/2024 02:46	WG2221289
Carbon tetrachloride	U		0.00133	0.00741	1	02/08/2024 02:46	WG2221289
Chlorobenzene	U		0.000311	0.00370	1	02/08/2024 02:46	WG2221289
Chlorodibromomethane	U		0.000907	0.00370	1	02/08/2024 02:46	WG2221289
Chloroethane	U		0.00252	0.00741	1	02/08/2024 02:46	WG2221289
Chloroform	0.00246	B J	0.00153	0.00370	1	02/08/2024 02:46	WG2221289
Chloromethane	U	J3 J4	0.00645	0.0185	1	02/08/2024 02:46	WG2221289
2-Chlorotoluene	U		0.00128	0.00370	1	02/08/2024 02:46	WG2221289
4-Chlorotoluene	U		0.000667	0.00741	1	02/08/2024 02:46	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00578	0.0370	1	02/08/2024 02:46	WG2221289
1,2-Dibromoethane	U		0.000960	0.00370	1	02/08/2024 02:46	WG2221289
Dibromomethane	U		0.00111	0.00741	1	02/08/2024 02:46	WG2221289
1,2-Dichlorobenzene	U		0.000630	0.00741	1	02/08/2024 02:46	WG2221289
1,3-Dichlorobenzene	U		0.000889	0.00741	1	02/08/2024 02:46	WG2221289
1,4-Dichlorobenzene	U		0.00104	0.00741	1	02/08/2024 02:46	WG2221289
Dichlorodifluoromethane	U		0.00239	0.00741	1	02/08/2024 02:46	WG2221289
1,1-Dichloroethane	U		0.000728	0.00370	1	02/08/2024 02:46	WG2221289
1,2-Dichloroethane	U		0.000962	0.00370	1	02/08/2024 02:46	WG2221289
1,1-Dichloroethene	U		0.000898	0.00370	1	02/08/2024 02:46	WG2221289
cis-1,2-Dichloroethene	U		0.00109	0.00370	1	02/08/2024 02:46	WG2221289
trans-1,2-Dichloroethene	U		0.00154	0.00741	1	02/08/2024 02:46	WG2221289
1,2-Dichloropropane	U		0.00210	0.00741	1	02/08/2024 02:46	WG2221289
1,1-Dichloropropene	U		0.00120	0.00370	1	02/08/2024 02:46	WG2221289
1,3-Dichloropropane	U		0.000742	0.00741	1	02/08/2024 02:46	WG2221289
cis-1,3-Dichloropropene	U		0.00112	0.00370	1	02/08/2024 02:46	WG2221289
trans-1,3-Dichloropropene	U		0.00169	0.00741	1	02/08/2024 02:46	WG2221289
2,2-Dichloropropane	U		0.00205	0.00370	1	02/08/2024 02:46	WG2221289
Di-isopropyl ether	U	C3	0.000608	0.00148	1	02/08/2024 02:46	WG2221289
Ethylbenzene	U		0.00109	0.00370	1	02/08/2024 02:46	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00889	0.0370	1	02/08/2024 02:46	WG2221289
Isopropylbenzene	U		0.000630	0.00370	1	02/08/2024 02:46	WG2221289
p-Isopropyltoluene	U		0.00378	0.00741	1	02/08/2024 02:46	WG2221289
2-Butanone (MEK)	U		0.0941	0.148	1	02/08/2024 02:46	WG2221289
Methylene Chloride	0.0179	B J	0.00984	0.0370	1	02/08/2024 02:46	WG2221289
4-Methyl-2-pentanone (MIBK)	U		0.00338	0.0370	1	02/08/2024 02:46	WG2221289
Methyl tert-butyl ether	U		0.000519	0.00148	1	02/08/2024 02:46	WG2221289
Naphthalene	U	C3	0.00723	0.0185	1	02/08/2024 02:46	WG2221289
n-Propylbenzene	U		0.00141	0.00741	1	02/08/2024 02:46	WG2221289
Styrene	U		0.000339	0.0185	1	02/08/2024 02:46	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00140	0.00370	1	02/08/2024 02:46	WG2221289

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 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.00103	0.00370	1	02/08/2024 02:46	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00112	0.00370	1	02/08/2024 02:46	WG2221289
Tetrachloroethene	U		0.00133	0.00370	1	02/08/2024 02:46	WG2221289
Toluene	U		0.00193	0.00741	1	02/08/2024 02:46	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0109	0.0185	1	02/08/2024 02:46	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00652	0.0185	1	02/08/2024 02:46	WG2221289
1,1,1-Trichloroethane	U		0.00137	0.00370	1	02/08/2024 02:46	WG2221289
1,1,2-Trichloroethane	U	J3	0.000885	0.00370	1	02/08/2024 02:46	WG2221289
Trichloroethene	U		0.000865	0.00148	1	02/08/2024 02:46	WG2221289
Trichlorofluoromethane	U		0.00123	0.00370	1	02/08/2024 02:46	WG2221289
1,2,3-Trichloropropane	U		0.00240	0.0185	1	02/08/2024 02:46	WG2221289
1,2,4-Trimethylbenzene	U		0.00234	0.00741	1	02/08/2024 02:46	WG2221289
1,2,3-Trimethylbenzene	U		0.00234	0.00741	1	02/08/2024 02:46	WG2221289
1,3,5-Trimethylbenzene	U		0.00296	0.00741	1	02/08/2024 02:46	WG2221289
Vinyl chloride	U	J3	0.00172	0.00370	1	02/08/2024 02:46	WG2221289
Xylenes, Total	U		0.00130	0.00963	1	02/08/2024 02:46	WG2221289
(S) Toluene-d8	110			75.0-131		02/08/2024 02:46	WG2221289
(S) 4-Bromofluorobenzene	99.5			67.0-138		02/08/2024 02:46	WG2221289
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/08/2024 02:46	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	02/06/2024 11:31	WG2220148

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.18	B J	1.14	3.36	25	02/07/2024 00:29	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120		02/07/2024 00:29	WG2221007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0491	0.0673	1	02/08/2024 03:05	WG2221289
Acrylonitrile	U		0.00486	0.0168	1	02/08/2024 03:05	WG2221289
Benzene	U		0.000629	0.00135	1	02/08/2024 03:05	WG2221289
Bromobenzene	U		0.00121	0.0168	1	02/08/2024 03:05	WG2221289
Bromodichloromethane	U		0.000976	0.00336	1	02/08/2024 03:05	WG2221289
Bromoform	U		0.00157	0.0336	1	02/08/2024 03:05	WG2221289
Bromomethane	U		0.00265	0.0168	1	02/08/2024 03:05	WG2221289
n-Butylbenzene	U		0.00707	0.0168	1	02/08/2024 03:05	WG2221289
sec-Butylbenzene	U		0.00388	0.0168	1	02/08/2024 03:05	WG2221289
tert-Butylbenzene	U		0.00262	0.00673	1	02/08/2024 03:05	WG2221289
Carbon disulfide	U		0.000942	0.0168	1	02/08/2024 03:05	WG2221289
Carbon tetrachloride	U		0.00121	0.00673	1	02/08/2024 03:05	WG2221289
Chlorobenzene	U		0.000283	0.00336	1	02/08/2024 03:05	WG2221289
Chlorodibromomethane	U		0.000824	0.00336	1	02/08/2024 03:05	WG2221289
Chloroethane	U		0.00229	0.00673	1	02/08/2024 03:05	WG2221289
Chloroform	0.00260	B J	0.00139	0.00336	1	02/08/2024 03:05	WG2221289
Chloromethane	U	J3 J4	0.00585	0.0168	1	02/08/2024 03:05	WG2221289
2-Chlorotoluene	U		0.00116	0.00336	1	02/08/2024 03:05	WG2221289
4-Chlorotoluene	U		0.000606	0.00673	1	02/08/2024 03:05	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00525	0.0336	1	02/08/2024 03:05	WG2221289
1,2-Dibromoethane	U		0.000872	0.00336	1	02/08/2024 03:05	WG2221289
Dibromomethane	U		0.00101	0.00673	1	02/08/2024 03:05	WG2221289
1,2-Dichlorobenzene	U		0.000572	0.00673	1	02/08/2024 03:05	WG2221289
1,3-Dichlorobenzene	U		0.000808	0.00673	1	02/08/2024 03:05	WG2221289
1,4-Dichlorobenzene	U		0.000942	0.00673	1	02/08/2024 03:05	WG2221289
Dichlorodifluoromethane	U		0.00217	0.00673	1	02/08/2024 03:05	WG2221289
1,1-Dichloroethane	U		0.000661	0.00336	1	02/08/2024 03:05	WG2221289
1,2-Dichloroethane	U		0.000873	0.00336	1	02/08/2024 03:05	WG2221289
1,1-Dichloroethene	U		0.000816	0.00336	1	02/08/2024 03:05	WG2221289
cis-1,2-Dichloroethene	U		0.000988	0.00336	1	02/08/2024 03:05	WG2221289
trans-1,2-Dichloroethene	U		0.00140	0.00673	1	02/08/2024 03:05	WG2221289
1,2-Dichloropropane	U		0.00191	0.00673	1	02/08/2024 03:05	WG2221289
1,1-Dichloropropene	U		0.00109	0.00336	1	02/08/2024 03:05	WG2221289
1,3-Dichloropropane	U		0.000674	0.00673	1	02/08/2024 03:05	WG2221289
cis-1,3-Dichloropropene	U		0.00102	0.00336	1	02/08/2024 03:05	WG2221289
trans-1,3-Dichloropropene	U		0.00153	0.00673	1	02/08/2024 03:05	WG2221289
2,2-Dichloropropane	U		0.00186	0.00336	1	02/08/2024 03:05	WG2221289
Di-isopropyl ether	U	C3	0.000552	0.00135	1	02/08/2024 03:05	WG2221289
Ethylbenzene	U		0.000992	0.00336	1	02/08/2024 03:05	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00808	0.0336	1	02/08/2024 03:05	WG2221289
Isopropylbenzene	U		0.000572	0.00336	1	02/08/2024 03:05	WG2221289
p-Isopropyltoluene	U		0.00343	0.00673	1	02/08/2024 03:05	WG2221289
2-Butanone (MEK)	U		0.0855	0.135	1	02/08/2024 03:05	WG2221289
Methylene Chloride	0.0139	B J	0.00894	0.0336	1	02/08/2024 03:05	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	U		0.00307	0.0336	1	02/08/2024 03:05	WG2221289
Methyl tert-butyl ether	U		0.000471	0.00135	1	02/08/2024 03:05	WG2221289
Naphthalene	U	C3	0.00657	0.0168	1	02/08/2024 03:05	WG2221289
n-Propylbenzene	U		0.00128	0.00673	1	02/08/2024 03:05	WG2221289
Styrene	U		0.000308	0.0168	1	02/08/2024 03:05	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00128	0.00336	1	02/08/2024 03:05	WG2221289
1,1,2,2-Tetrachloroethane	U		0.000935	0.00336	1	02/08/2024 03:05	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00336	1	02/08/2024 03:05	WG2221289
Tetrachloroethene	U		0.00121	0.00336	1	02/08/2024 03:05	WG2221289
Toluene	U		0.00175	0.00673	1	02/08/2024 03:05	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.00987	0.0168	1	02/08/2024 03:05	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00592	0.0168	1	02/08/2024 03:05	WG2221289
1,1,1-Trichloroethane	U		0.00124	0.00336	1	02/08/2024 03:05	WG2221289
1,1,2-Trichloroethane	U	J3	0.000803	0.00336	1	02/08/2024 03:05	WG2221289
Trichloroethene	U		0.000786	0.00135	1	02/08/2024 03:05	WG2221289
Trichlorofluoromethane	U		0.00111	0.00336	1	02/08/2024 03:05	WG2221289
1,2,3-Trichloropropane	U		0.00218	0.0168	1	02/08/2024 03:05	WG2221289
1,2,4-Trimethylbenzene	U		0.00213	0.00673	1	02/08/2024 03:05	WG2221289
1,2,3-Trimethylbenzene	U		0.00213	0.00673	1	02/08/2024 03:05	WG2221289
1,3,5-Trimethylbenzene	U		0.00269	0.00673	1	02/08/2024 03:05	WG2221289
Vinyl chloride	U	J3	0.00156	0.00336	1	02/08/2024 03:05	WG2221289
Xylenes, Total	U		0.00118	0.00875	1	02/08/2024 03:05	WG2221289
(S) Toluene-d8	103			75.0-131		02/08/2024 03:05	WG2221289
(S) 4-Bromofluorobenzene	99.9			67.0-138		02/08/2024 03:05	WG2221289
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/08/2024 03:05	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	19.2		1.54	4.63	1	02/13/2024 12:56	WG2224396
Residual Range Organics (RRO)	6.90	J	3.86	11.6	1	02/13/2024 12:56	WG2224396
(S) o-Terphenyl	32.2			18.0-148		02/13/2024 12:56	WG2224396

Sample Narrative:

L1701885-06 WG2224396: Sample resembles laboratory standard for Hydraulic Fluid.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	02/06/2024 11:09	WG2220149

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	20.3		0.118	2.39	5	02/04/2024 22:18	WG2219653

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.33	B J	1.23	3.63	25	02/07/2024 00:56	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	94.2			77.0-120		02/07/2024 00:56	WG2221007

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	10.4		1.59	4.77	1	02/13/2024 14:23	WG2224396
Residual Range Organics (RRO)	25.6		3.97	11.9	1	02/13/2024 14:23	WG2224396
(S) o-Terphenyl	21.8			18.0-148		02/13/2024 14:23	WG2224396

Sample Narrative:

L1701885-10 WG2224396: Sample resembles laboratory standard for Hydraulic Fluid and Hydraulic Oil

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00274	0.00716	1	02/08/2024 02:53	WG2220596
Acenaphthene	U		0.00249	0.00716	1	02/08/2024 02:53	WG2220596
Acenaphthylene	U		0.00258	0.00716	1	02/08/2024 02:53	WG2220596
Benzo(a)anthracene	U		0.00206	0.00716	1	02/08/2024 02:53	WG2220596
Benzo(a)pyrene	U		0.00213	0.00716	1	02/08/2024 02:53	WG2220596
Benzo(b)fluoranthene	U		0.00182	0.00716	1	02/08/2024 02:53	WG2220596
Benzo(g,h,i)perylene	0.00264	J	0.00211	0.00716	1	02/08/2024 02:53	WG2220596
Benzo(k)fluoranthene	U		0.00256	0.00716	1	02/08/2024 02:53	WG2220596
Chrysene	U		0.00277	0.00716	1	02/08/2024 02:53	WG2220596
Dibenz(a,h)anthracene	U		0.00205	0.00716	1	02/08/2024 02:53	WG2220596
Fluoranthene	0.00420	J	0.00271	0.00716	1	02/08/2024 02:53	WG2220596
Fluorene	0.00250	J	0.00244	0.00716	1	02/08/2024 02:53	WG2220596
Indeno(1,2,3-cd)pyrene	U		0.00216	0.00716	1	02/08/2024 02:53	WG2220596
Naphthalene	0.0242		0.00487	0.0239	1	02/08/2024 02:53	WG2220596
Phenanthrene	0.0147		0.00275	0.00716	1	02/08/2024 02:53	WG2220596
Pyrene	0.00532	J	0.00239	0.00716	1	02/08/2024 02:53	WG2220596
1-Methylnaphthalene	0.0197	J	0.00535	0.0239	1	02/08/2024 02:53	WG2220596
2-Methylnaphthalene	0.0452		0.00509	0.0239	1	02/08/2024 02:53	WG2220596
2-Chloronaphthalene	U		0.00556	0.0239	1	02/08/2024 02:53	WG2220596
(S) p-Terphenyl-d14	75.5			23.0-120		02/08/2024 02:53	WG2220596
(S) Nitrobenzene-d5	84.3			14.0-149		02/08/2024 02:53	WG2220596
(S) 2-Fluorobiphenyl	67.8			34.0-125		02/08/2024 02:53	WG2220596

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	02/06/2024 11:09	WG2220149

Metals (ICPMS) by Method 6020

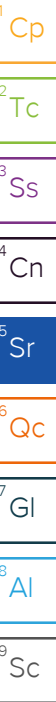
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	20.8		0.124	2.51	5	02/04/2024 22:21	WG2219653

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	14.3		1.31	3.87	25	02/08/2024 12:49	WG2221972
(S) a,a,a-Trifluorotoluene(FID)	93.5			77.0-120		02/08/2024 12:49	WG2221972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0566	0.0775	1	02/08/2024 03:24	WG2221289
Acrylonitrile	U		0.00559	0.0194	1	02/08/2024 03:24	WG2221289
Benzene	U		0.000724	0.00155	1	02/08/2024 03:24	WG2221289
Bromobenzene	U		0.00139	0.0194	1	02/08/2024 03:24	WG2221289
Bromodichloromethane	U		0.00112	0.00387	1	02/08/2024 03:24	WG2221289
Bromoform	U		0.00181	0.0387	1	02/08/2024 03:24	WG2221289
Bromomethane	U		0.00305	0.0194	1	02/08/2024 03:24	WG2221289
n-Butylbenzene	U		0.00814	0.0194	1	02/08/2024 03:24	WG2221289
sec-Butylbenzene	U		0.00446	0.0194	1	02/08/2024 03:24	WG2221289
tert-Butylbenzene	U		0.00302	0.00775	1	02/08/2024 03:24	WG2221289
Carbon disulfide	U		0.00108	0.0194	1	02/08/2024 03:24	WG2221289
Carbon tetrachloride	U		0.00139	0.00775	1	02/08/2024 03:24	WG2221289
Chlorobenzene	U		0.000325	0.00387	1	02/08/2024 03:24	WG2221289
Chlorodibromomethane	U		0.000948	0.00387	1	02/08/2024 03:24	WG2221289
Chloroethane	U		0.00263	0.00775	1	02/08/2024 03:24	WG2221289
Chloroform	0.00296	B J	0.00160	0.00387	1	02/08/2024 03:24	WG2221289
Chloromethane	U	J3 J4	0.00674	0.0194	1	02/08/2024 03:24	WG2221289
2-Chlorotoluene	U		0.00134	0.00387	1	02/08/2024 03:24	WG2221289
4-Chlorotoluene	U		0.000697	0.00775	1	02/08/2024 03:24	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00604	0.0387	1	02/08/2024 03:24	WG2221289
1,2-Dibromoethane	U		0.00100	0.00387	1	02/08/2024 03:24	WG2221289
Dibromomethane	U		0.00116	0.00775	1	02/08/2024 03:24	WG2221289
1,2-Dichlorobenzene	U		0.000659	0.00775	1	02/08/2024 03:24	WG2221289
1,3-Dichlorobenzene	U		0.000930	0.00775	1	02/08/2024 03:24	WG2221289
1,4-Dichlorobenzene	U		0.00108	0.00775	1	02/08/2024 03:24	WG2221289
Dichlorodifluoromethane	U		0.00249	0.00775	1	02/08/2024 03:24	WG2221289
1,1-Dichloroethane	U		0.000761	0.00387	1	02/08/2024 03:24	WG2221289
1,2-Dichloroethane	U		0.00101	0.00387	1	02/08/2024 03:24	WG2221289
1,1-Dichloroethene	U		0.000939	0.00387	1	02/08/2024 03:24	WG2221289
cis-1,2-Dichloroethene	U		0.00114	0.00387	1	02/08/2024 03:24	WG2221289
trans-1,2-Dichloroethene	U		0.00161	0.00775	1	02/08/2024 03:24	WG2221289
1,2-Dichloropropane	U		0.00220	0.00775	1	02/08/2024 03:24	WG2221289
1,1-Dichloropropene	U		0.00125	0.00387	1	02/08/2024 03:24	WG2221289
1,3-Dichloropropane	U		0.000776	0.00775	1	02/08/2024 03:24	WG2221289
cis-1,3-Dichloropropene	U		0.00117	0.00387	1	02/08/2024 03:24	WG2221289
trans-1,3-Dichloropropene	U		0.00177	0.00775	1	02/08/2024 03:24	WG2221289
2,2-Dichloropropane	U		0.00214	0.00387	1	02/08/2024 03:24	WG2221289
Di-isopropyl ether	U	C3	0.000635	0.00155	1	02/08/2024 03:24	WG2221289



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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	0.00259	J	0.00114	0.00387	1	02/08/2024 03:24	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00930	0.0387	1	02/08/2024 03:24	WG2221289
Isopropylbenzene	U		0.000659	0.00387	1	02/08/2024 03:24	WG2221289
p-Isopropyltoluene	U		0.00395	0.00775	1	02/08/2024 03:24	WG2221289
2-Butanone (MEK)	U		0.0984	0.155	1	02/08/2024 03:24	WG2221289
Methylene Chloride	0.0167	B J	0.0103	0.0387	1	02/08/2024 03:24	WG2221289
4-Methyl-2-pentanone (MIBK)	U		0.00353	0.0387	1	02/08/2024 03:24	WG2221289
Methyl tert-butyl ether	U		0.000542	0.00155	1	02/08/2024 03:24	WG2221289
Naphthalene	U	C3	0.00756	0.0194	1	02/08/2024 03:24	WG2221289
n-Propylbenzene	U		0.00147	0.00775	1	02/08/2024 03:24	WG2221289
Styrene	U		0.000355	0.0194	1	02/08/2024 03:24	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00147	0.00387	1	02/08/2024 03:24	WG2221289
1,1,2,2-Tetrachloroethane	U		0.00108	0.00387	1	02/08/2024 03:24	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00117	0.00387	1	02/08/2024 03:24	WG2221289
Tetrachloroethene	U		0.00139	0.00387	1	02/08/2024 03:24	WG2221289
Toluene	U		0.00201	0.00775	1	02/08/2024 03:24	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0114	0.0194	1	02/08/2024 03:24	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00682	0.0194	1	02/08/2024 03:24	WG2221289
1,1,1-Trichloroethane	U		0.00143	0.00387	1	02/08/2024 03:24	WG2221289
1,1,2-Trichloroethane	U	J3	0.000925	0.00387	1	02/08/2024 03:24	WG2221289
Trichloroethene	U		0.000905	0.00155	1	02/08/2024 03:24	WG2221289
Trichlorofluoromethane	U		0.00128	0.00387	1	02/08/2024 03:24	WG2221289
1,2,3-Trichloropropane	U		0.00251	0.0194	1	02/08/2024 03:24	WG2221289
1,2,4-Trimethylbenzene	U		0.00245	0.00775	1	02/08/2024 03:24	WG2221289
1,2,3-Trimethylbenzene	U		0.00245	0.00775	1	02/08/2024 03:24	WG2221289
1,3,5-Trimethylbenzene	U		0.00310	0.00775	1	02/08/2024 03:24	WG2221289
Vinyl chloride	U	J3	0.00180	0.00387	1	02/08/2024 03:24	WG2221289
Xylenes, Total	0.0100	J	0.00136	0.0101	1	02/08/2024 03:24	WG2221289
(S) Toluene-d8	103			75.0-131		02/08/2024 03:24	WG2221289
(S) 4-Bromofluorobenzene	98.0			67.0-138		02/08/2024 03:24	WG2221289
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/08/2024 03:24	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	58.3		8.36	25.1	5	02/13/2024 16:27	WG2224396
Residual Range Organics (RRO)	182		20.9	62.8	5	02/13/2024 16:27	WG2224396
(S) o-Terphenyl	28.5			18.0-148		02/13/2024 16:27	WG2224396

Sample Narrative:

L1701885-11 WG2224396: Sample resembles laboratory standard for Hydraulic Oil.

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00602	J	0.00289	0.00754	1	02/08/2024 05:50	WG2220596
Acenaphthene	U		0.00263	0.00754	1	02/08/2024 05:50	WG2220596
Acenaphthylene	U		0.00271	0.00754	1	02/08/2024 05:50	WG2220596
Benzo(a)anthracene	0.0117		0.00217	0.00754	1	02/08/2024 05:50	WG2220596
Benzo(a)pyrene	0.0185		0.00225	0.00754	1	02/08/2024 05:50	WG2220596
Benzo(b)fluoranthene	0.0125		0.00192	0.00754	1	02/08/2024 05:50	WG2220596
Benzo(g,h,i)perylene	0.0170		0.00222	0.00754	1	02/08/2024 05:50	WG2220596
Benzo(k)fluoranthene	U		0.00270	0.00754	1	02/08/2024 05:50	WG2220596
Chrysene	0.0161		0.00292	0.00754	1	02/08/2024 05:50	WG2220596
Dibenz(a,h)anthracene	0.00475	J	0.00216	0.00754	1	02/08/2024 05:50	WG2220596

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	0.0151		0.00285	0.00754	1	02/08/2024 05:50	WG2220596
Fluorene	0.0119		0.00258	0.00754	1	02/08/2024 05:50	WG2220596
Indeno(1,2,3-cd)pyrene	0.0113		0.00227	0.00754	1	02/08/2024 05:50	WG2220596
Naphthalene	0.0158	L	0.00513	0.0251	1	02/08/2024 05:50	WG2220596
Phenanthrene	0.0227		0.00290	0.00754	1	02/08/2024 05:50	WG2220596
Pyrene	0.0377		0.00251	0.00754	1	02/08/2024 05:50	WG2220596
1-Methylnaphthalene	0.0145	L	0.00564	0.0251	1	02/08/2024 05:50	WG2220596
2-Methylnaphthalene	0.0292		0.00537	0.0251	1	02/08/2024 05:50	WG2220596
2-Chloronaphthalene	U		0.00586	0.0251	1	02/08/2024 05:50	WG2220596
(S) p-Terphenyl-d14	72.4			23.0-120		02/08/2024 05:50	WG2220596
(S) Nitrobenzene-d5	88.4			14.0-149		02/08/2024 05:50	WG2220596
(S) 2-Fluorobiphenyl	63.5			34.0-125		02/08/2024 05:50	WG2220596

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.2		1	02/06/2024 11:09	WG2220149

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	128		1.55	4.57	25	02/07/2024 05:49	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	93.8			77.0-120		02/07/2024 05:49	WG2221255

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	34.2		1.84	5.54	1	02/13/2024 14:09	WG2224396
Residual Range Organics (RRO)	26.7		4.61	13.8	1	02/13/2024 14:09	WG2224396
(S) o-Terphenyl	35.7			18.0-148		02/13/2024 14:09	WG2224396

Sample Narrative:

L1701885-12 WG2224396: Sample resembles laboratory standard for Hydraulic Oil and diesel

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	02/06/2024 11:09	WG2220149

Metals (ICPMS) by Method 6020

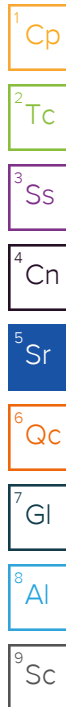
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	13.9		0.113	2.28	5	02/04/2024 22:24	WG2219653

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	14.7		1.51	4.44	36	02/07/2024 06:08	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	92.0			77.0-120		02/07/2024 06:08	WG2221255

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0649	0.0888	1.44	02/08/2024 03:43	WG2221289
Acrylonitrile	U		0.00642	0.0222	1.44	02/08/2024 03:43	WG2221289
Benzene	U		0.000829	0.00178	1.44	02/08/2024 03:43	WG2221289
Bromobenzene	U		0.00160	0.0222	1.44	02/08/2024 03:43	WG2221289
Bromodichloromethane	U		0.00128	0.00444	1.44	02/08/2024 03:43	WG2221289
Bromoform	U		0.00207	0.0444	1.44	02/08/2024 03:43	WG2221289
Bromomethane	U		0.00350	0.0222	1.44	02/08/2024 03:43	WG2221289
n-Butylbenzene	U		0.00933	0.0222	1.44	02/08/2024 03:43	WG2221289
sec-Butylbenzene	U		0.00512	0.0222	1.44	02/08/2024 03:43	WG2221289
tert-Butylbenzene	U		0.00347	0.00888	1.44	02/08/2024 03:43	WG2221289
Carbon disulfide	U		0.00125	0.0222	1.44	02/08/2024 03:43	WG2221289
Carbon tetrachloride	U		0.00159	0.00888	1.44	02/08/2024 03:43	WG2221289
Chlorobenzene	U		0.000373	0.00444	1.44	02/08/2024 03:43	WG2221289
Chlorodibromomethane	U		0.00109	0.00444	1.44	02/08/2024 03:43	WG2221289
Chloroethane	U		0.00302	0.00888	1.44	02/08/2024 03:43	WG2221289
Chloroform	0.00436	B J	0.00183	0.00444	1.44	02/08/2024 03:43	WG2221289
Chloromethane	U	J3 J4	0.00772	0.0222	1.44	02/08/2024 03:43	WG2221289
2-Chlorotoluene	U		0.00154	0.00444	1.44	02/08/2024 03:43	WG2221289
4-Chlorotoluene	U		0.000800	0.00888	1.44	02/08/2024 03:43	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00693	0.0444	1.44	02/08/2024 03:43	WG2221289
1,2-Dibromoethane	U		0.00115	0.00444	1.44	02/08/2024 03:43	WG2221289
Dibromomethane	U		0.00133	0.00888	1.44	02/08/2024 03:43	WG2221289
1,2-Dichlorobenzene	U		0.000755	0.00888	1.44	02/08/2024 03:43	WG2221289
1,3-Dichlorobenzene	U		0.00107	0.00888	1.44	02/08/2024 03:43	WG2221289
1,4-Dichlorobenzene	U		0.00125	0.00888	1.44	02/08/2024 03:43	WG2221289
Dichlorodifluoromethane	U		0.00286	0.00888	1.44	02/08/2024 03:43	WG2221289
1,1-Dichloroethane	U		0.000872	0.00444	1.44	02/08/2024 03:43	WG2221289
1,2-Dichloroethane	U		0.00115	0.00444	1.44	02/08/2024 03:43	WG2221289
1,1-Dichloroethene	U		0.00108	0.00444	1.44	02/08/2024 03:43	WG2221289
cis-1,2-Dichloroethene	U		0.00131	0.00444	1.44	02/08/2024 03:43	WG2221289
trans-1,2-Dichloroethene	U		0.00185	0.00888	1.44	02/08/2024 03:43	WG2221289
1,2-Dichloropropane	U		0.00252	0.00888	1.44	02/08/2024 03:43	WG2221289
1,1-Dichloropropene	U		0.00143	0.00444	1.44	02/08/2024 03:43	WG2221289
1,3-Dichloropropane	U		0.000890	0.00888	1.44	02/08/2024 03:43	WG2221289
cis-1,3-Dichloropropene	U		0.00134	0.00444	1.44	02/08/2024 03:43	WG2221289
trans-1,3-Dichloropropene	U		0.00202	0.00888	1.44	02/08/2024 03:43	WG2221289
2,2-Dichloropropane	U		0.00246	0.00444	1.44	02/08/2024 03:43	WG2221289
Di-isopropyl ether	U	C3	0.000728	0.00178	1.44	02/08/2024 03:43	WG2221289



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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.00131	0.00444	1.44	02/08/2024 03:43	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.0107	0.0444	1.44	02/08/2024 03:43	WG2221289
Isopropylbenzene	U		0.000755	0.00444	1.44	02/08/2024 03:43	WG2221289
p-Isopropyltoluene	0.00528	J	0.00453	0.00888	1.44	02/08/2024 03:43	WG2221289
2-Butanone (MEK)	U		0.113	0.178	1.44	02/08/2024 03:43	WG2221289
Methylene Chloride	0.0259	B J	0.0118	0.0444	1.44	02/08/2024 03:43	WG2221289
4-Methyl-2-pentanone (MIBK)	U		0.00405	0.0444	1.44	02/08/2024 03:43	WG2221289
Methyl tert-butyl ether	U		0.000622	0.00178	1.44	02/08/2024 03:43	WG2221289
Naphthalene	U	C3	0.00867	0.0222	1.44	02/08/2024 03:43	WG2221289
n-Propylbenzene	0.00205	J	0.00169	0.00888	1.44	02/08/2024 03:43	WG2221289
Styrene	U		0.000407	0.0222	1.44	02/08/2024 03:43	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00169	0.00444	1.44	02/08/2024 03:43	WG2221289
1,1,2,2-Tetrachloroethane	U		0.00123	0.00444	1.44	02/08/2024 03:43	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00134	0.00444	1.44	02/08/2024 03:43	WG2221289
Tetrachloroethene	U		0.00159	0.00444	1.44	02/08/2024 03:43	WG2221289
Toluene	0.00591	J	0.00231	0.00888	1.44	02/08/2024 03:43	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0131	0.0222	1.44	02/08/2024 03:43	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00782	0.0222	1.44	02/08/2024 03:43	WG2221289
1,1,1-Trichloroethane	U		0.00164	0.00444	1.44	02/08/2024 03:43	WG2221289
1,1,2-Trichloroethane	U	J3	0.00106	0.00444	1.44	02/08/2024 03:43	WG2221289
Trichloroethene	U		0.00104	0.00178	1.44	02/08/2024 03:43	WG2221289
Trichlorofluoromethane	U		0.00147	0.00444	1.44	02/08/2024 03:43	WG2221289
1,2,3-Trichloropropane	U		0.00287	0.0222	1.44	02/08/2024 03:43	WG2221289
1,2,4-Trimethylbenzene	U		0.00281	0.00888	1.44	02/08/2024 03:43	WG2221289
1,2,3-Trimethylbenzene	U		0.00281	0.00888	1.44	02/08/2024 03:43	WG2221289
1,3,5-Trimethylbenzene	U		0.00355	0.00888	1.44	02/08/2024 03:43	WG2221289
Vinyl chloride	U	J3	0.00206	0.00444	1.44	02/08/2024 03:43	WG2221289
Xylenes, Total	0.0103	J	0.00157	0.0115	1.44	02/08/2024 03:43	WG2221289
(S) Toluene-d8	105			75.0-131		02/08/2024 03:43	WG2221289
(S) 4-Bromofluorobenzene	103			67.0-138		02/08/2024 03:43	WG2221289
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/08/2024 03:43	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	25.6		1.51	4.55	1	02/13/2024 14:37	WG2224396
Residual Range Organics (RRO)	35.4		3.79	11.4	1	02/13/2024 14:37	WG2224396
(S) o-Terphenyl	40.4			18.0-148		02/13/2024 14:37	WG2224396

Sample Narrative:

L1701885-15 WG2224396: Sample resembles laboratory standard for Hydraulic Oil and diesel

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00262	0.00683	1	02/08/2024 04:51	WG2220596
Acenaphthene	0.00310	J	0.00238	0.00683	1	02/08/2024 04:51	WG2220596
Acenaphthylene	U		0.00246	0.00683	1	02/08/2024 04:51	WG2220596
Benzo(a)anthracene	0.00448	J	0.00197	0.00683	1	02/08/2024 04:51	WG2220596
Benzo(a)pyrene	0.00477	J	0.00204	0.00683	1	02/08/2024 04:51	WG2220596
Benzo(b)fluoranthene	0.0100		0.00174	0.00683	1	02/08/2024 04:51	WG2220596
Benzo(g,h,i)perylene	0.00567	J	0.00201	0.00683	1	02/08/2024 04:51	WG2220596
Benzo(k)fluoranthene	0.00286	J	0.00245	0.00683	1	02/08/2024 04:51	WG2220596
Chrysene	0.00685		0.00264	0.00683	1	02/08/2024 04:51	WG2220596
Dibenz(a,h)anthracene	U		0.00196	0.00683	1	02/08/2024 04:51	WG2220596

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	0.0117		0.00258	0.00683	1	02/08/2024 04:51	WG2220596
Fluorene	0.00636	L	0.00233	0.00683	1	02/08/2024 04:51	WG2220596
Indeno(1,2,3-cd)pyrene	0.00521	L	0.00206	0.00683	1	02/08/2024 04:51	WG2220596
Naphthalene	0.00578	L	0.00464	0.0228	1	02/08/2024 04:51	WG2220596
Phenanthrene	0.0107		0.00263	0.00683	1	02/08/2024 04:51	WG2220596
Pyrene	0.0126		0.00228	0.00683	1	02/08/2024 04:51	WG2220596
1-Methylnaphthalene	0.0214	L	0.00511	0.0228	1	02/08/2024 04:51	WG2220596
2-Methylnaphthalene	0.0193	L	0.00486	0.0228	1	02/08/2024 04:51	WG2220596
2-Chloronaphthalene	U		0.00530	0.0228	1	02/08/2024 04:51	WG2220596
(S) p-Terphenyl-d14	76.7			23.0-120		02/08/2024 04:51	WG2220596
(S) Nitrobenzene-d5	83.4			14.0-149		02/08/2024 04:51	WG2220596
(S) 2-Fluorobiphenyl	68.9			34.0-125		02/08/2024 04:51	WG2220596

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.3		1	02/06/2024 11:09	WG2220149

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	333		1.21	3.56	25	02/07/2024 06:27	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	94.8			77.0-120		02/07/2024 06:27	WG2221255

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0519	0.0711	1	02/08/2024 04:02	WG2221289
Acrylonitrile	U		0.00514	0.0178	1	02/08/2024 04:02	WG2221289
Benzene	U		0.000664	0.00142	1	02/08/2024 04:02	WG2221289
Bromobenzene	U		0.00128	0.0178	1	02/08/2024 04:02	WG2221289
Bromodichloromethane	U		0.00103	0.00356	1	02/08/2024 04:02	WG2221289
Bromoform	U		0.00166	0.0356	1	02/08/2024 04:02	WG2221289
Bromomethane	U		0.00280	0.0178	1	02/08/2024 04:02	WG2221289
n-Butylbenzene	3.06		0.00747	0.0178	1	02/08/2024 04:02	WG2221289
sec-Butylbenzene	1.02		0.00410	0.0178	1	02/08/2024 04:02	WG2221289
tert-Butylbenzene	0.0599		0.00277	0.00711	1	02/08/2024 04:02	WG2221289
Carbon disulfide	U		0.000996	0.0178	1	02/08/2024 04:02	WG2221289
Carbon tetrachloride	U		0.00128	0.00711	1	02/08/2024 04:02	WG2221289
Chlorobenzene	U		0.000299	0.00356	1	02/08/2024 04:02	WG2221289
Chlorodibromomethane	U		0.000871	0.00356	1	02/08/2024 04:02	WG2221289
Chloroethane	U		0.00242	0.00711	1	02/08/2024 04:02	WG2221289
Chloroform	0.00256	B J	0.00147	0.00356	1	02/08/2024 04:02	WG2221289
Chloromethane	U	J3 J4	0.00619	0.0178	1	02/08/2024 04:02	WG2221289
2-Chlorotoluene	U		0.00123	0.00356	1	02/08/2024 04:02	WG2221289
4-Chlorotoluene	U		0.000640	0.00711	1	02/08/2024 04:02	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00555	0.0356	1	02/08/2024 04:02	WG2221289
1,2-Dibromoethane	U		0.000922	0.00356	1	02/08/2024 04:02	WG2221289
Dibromomethane	U		0.00107	0.00711	1	02/08/2024 04:02	WG2221289
1,2-Dichlorobenzene	U		0.000605	0.00711	1	02/08/2024 04:02	WG2221289
1,3-Dichlorobenzene	U		0.000854	0.00711	1	02/08/2024 04:02	WG2221289
1,4-Dichlorobenzene	U		0.000996	0.00711	1	02/08/2024 04:02	WG2221289
Dichlorodifluoromethane	U		0.00229	0.00711	1	02/08/2024 04:02	WG2221289
1,1-Dichloroethane	U		0.000699	0.00356	1	02/08/2024 04:02	WG2221289
1,2-Dichloroethane	U		0.000923	0.00356	1	02/08/2024 04:02	WG2221289
1,1-Dichloroethene	U		0.000862	0.00356	1	02/08/2024 04:02	WG2221289
cis-1,2-Dichloroethene	U		0.00104	0.00356	1	02/08/2024 04:02	WG2221289
trans-1,2-Dichloroethene	U		0.00148	0.00711	1	02/08/2024 04:02	WG2221289
1,2-Dichloropropane	U		0.00202	0.00711	1	02/08/2024 04:02	WG2221289
1,1-Dichloropropene	U		0.00115	0.00356	1	02/08/2024 04:02	WG2221289
1,3-Dichloropropane	U		0.000713	0.00711	1	02/08/2024 04:02	WG2221289
cis-1,3-Dichloropropene	U		0.00108	0.00356	1	02/08/2024 04:02	WG2221289
trans-1,3-Dichloropropene	U		0.00162	0.00711	1	02/08/2024 04:02	WG2221289
2,2-Dichloropropane	U		0.00196	0.00356	1	02/08/2024 04:02	WG2221289
Di-isopropyl ether	U	C3	0.000583	0.00142	1	02/08/2024 04:02	WG2221289
Ethylbenzene	U		0.00105	0.00356	1	02/08/2024 04:02	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00854	0.0356	1	02/08/2024 04:02	WG2221289
Isopropylbenzene	0.322		0.000605	0.00356	1	02/08/2024 04:02	WG2221289
p-Isopropyltoluene	0.165		0.00363	0.00711	1	02/08/2024 04:02	WG2221289
2-Butanone (MEK)	U		0.0903	0.142	1	02/08/2024 04:02	WG2221289
Methylene Chloride	0.0161	B J	0.00945	0.0356	1	02/08/2024 04:02	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	0.0417		0.00324	0.0356	1	02/08/2024 04:02	WG2221289
Methyl tert-butyl ether	U		0.000498	0.00142	1	02/08/2024 04:02	WG2221289
Naphthalene	0.107	C3	0.00694	0.0178	1	02/08/2024 04:02	WG2221289
n-Propylbenzene	0.622		0.00135	0.00711	1	02/08/2024 04:02	WG2221289
Styrene	U		0.000326	0.0178	1	02/08/2024 04:02	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00135	0.00356	1	02/08/2024 04:02	WG2221289
1,1,2,2-Tetrachloroethane	U		0.000989	0.00356	1	02/08/2024 04:02	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00356	1	02/08/2024 04:02	WG2221289
Tetrachloroethene	U		0.00127	0.00356	1	02/08/2024 04:02	WG2221289
Toluene	U		0.00185	0.00711	1	02/08/2024 04:02	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0104	0.0178	1	02/08/2024 04:02	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00626	0.0178	1	02/08/2024 04:02	WG2221289
1,1,1-Trichloroethane	U		0.00131	0.00356	1	02/08/2024 04:02	WG2221289
1,1,2-Trichloroethane	U	J3	0.000849	0.00356	1	02/08/2024 04:02	WG2221289
Trichloroethene	U		0.000831	0.00142	1	02/08/2024 04:02	WG2221289
Trichlorofluoromethane	U		0.00118	0.00356	1	02/08/2024 04:02	WG2221289
1,2,3-Trichloropropane	U		0.00230	0.0178	1	02/08/2024 04:02	WG2221289
1,2,4-Trimethylbenzene	0.0989		0.00225	0.00711	1	02/08/2024 04:02	WG2221289
1,2,3-Trimethylbenzene	0.563		0.00225	0.00711	1	02/08/2024 04:02	WG2221289
1,3,5-Trimethylbenzene	U		0.00285	0.00711	1	02/08/2024 04:02	WG2221289
Vinyl chloride	U	J3	0.00165	0.00356	1	02/08/2024 04:02	WG2221289
Xylenes, Total	0.00553	J	0.00125	0.00925	1	02/08/2024 04:02	WG2221289
(S) Toluene-d8	119			75.0-131		02/08/2024 04:02	WG2221289
(S) 4-Bromofluorobenzene	132			67.0-138		02/08/2024 04:02	WG2221289
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/08/2024 04:02	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	630		7.98	24.0	5	02/13/2024 17:38	WG2224396
Residual Range Organics (RRO)	22.8		4.00	12.0	1	02/13/2024 13:39	WG2224396
(S) o-Terphenyl	64.1			18.0-148		02/13/2024 13:39	WG2224396
(S) o-Terphenyl	68.0			18.0-148		02/13/2024 17:38	WG2224396

Sample Narrative:

L1701885-16 WG2224396: Sample resembles laboratory standard for Diesel.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	02/06/2024 11:09	WG2220149

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	4.72		1.44	4.24	25	02/07/2024 06:46	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	93.7			77.0-120		02/07/2024 06:46	WG2221255

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.78	5.34	1	02/13/2024 11:18	WG2224396
Residual Range Organics (RRO)	U		4.45	13.4	1	02/13/2024 11:18	WG2224396
(S) o-Terphenyl	52.1			18.0-148		02/13/2024 11:18	WG2224396

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.5		1	02/06/2024 11:09	WG2220149

Metals (ICPMS) by Method 6020

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Lead	3.92		0.114	2.31	5	02/04/2024 22:27	WG2219653

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	6.17		1.59	4.71	37.3	02/07/2024 07:06	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	91.5			77.0-120		02/07/2024 07:06	WG2221255

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0737	C3 J J3	0.0686	0.0940	1.49	02/08/2024 04:21	WG2221289
Acrylonitrile	U		0.00679	0.0235	1.49	02/08/2024 04:21	WG2221289
Benzene	U		0.000878	0.00188	1.49	02/08/2024 04:21	WG2221289
Bromobenzene	U		0.00169	0.0235	1.49	02/08/2024 04:21	WG2221289
Bromodichloromethane	U		0.00136	0.00471	1.49	02/08/2024 04:21	WG2221289
Bromoform	U		0.00220	0.0471	1.49	02/08/2024 04:21	WG2221289
Bromomethane	U		0.00371	0.0235	1.49	02/08/2024 04:21	WG2221289
n-Butylbenzene	0.0267		0.00987	0.0235	1.49	02/08/2024 04:21	WG2221289
sec-Butylbenzene	0.0102	J	0.00541	0.0235	1.49	02/08/2024 04:21	WG2221289
tert-Butylbenzene	U		0.00367	0.00940	1.49	02/08/2024 04:21	WG2221289
Carbon disulfide	U		0.00131	0.0235	1.49	02/08/2024 04:21	WG2221289
Carbon tetrachloride	U		0.00169	0.00940	1.49	02/08/2024 04:21	WG2221289
Chlorobenzene	U		0.000395	0.00471	1.49	02/08/2024 04:21	WG2221289
Chlorodibromomethane	U		0.00115	0.00471	1.49	02/08/2024 04:21	WG2221289
Chloroethane	U		0.00319	0.00940	1.49	02/08/2024 04:21	WG2221289
Chloroform	0.00484	B	0.00193	0.00471	1.49	02/08/2024 04:21	WG2221289
Chloromethane	U	J3 J4	0.00818	0.0235	1.49	02/08/2024 04:21	WG2221289
2-Chlorotoluene	U		0.00163	0.00471	1.49	02/08/2024 04:21	WG2221289
4-Chlorotoluene	U		0.000847	0.00940	1.49	02/08/2024 04:21	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00733	0.0471	1.49	02/08/2024 04:21	WG2221289
1,2-Dibromoethane	U		0.00122	0.00471	1.49	02/08/2024 04:21	WG2221289
Dibromomethane	U		0.00141	0.00940	1.49	02/08/2024 04:21	WG2221289
1,2-Dichlorobenzene	U		0.000799	0.00940	1.49	02/08/2024 04:21	WG2221289
1,3-Dichlorobenzene	U		0.00113	0.00940	1.49	02/08/2024 04:21	WG2221289
1,4-Dichlorobenzene	U		0.00131	0.00940	1.49	02/08/2024 04:21	WG2221289
Dichlorodifluoromethane	U		0.00303	0.00940	1.49	02/08/2024 04:21	WG2221289
1,1-Dichloroethane	U		0.000924	0.00471	1.49	02/08/2024 04:21	WG2221289
1,2-Dichloroethane	U		0.00122	0.00471	1.49	02/08/2024 04:21	WG2221289
1,1-Dichloroethene	U		0.00114	0.00471	1.49	02/08/2024 04:21	WG2221289
cis-1,2-Dichloroethene	U		0.00138	0.00471	1.49	02/08/2024 04:21	WG2221289
trans-1,2-Dichloroethene	U		0.00196	0.00940	1.49	02/08/2024 04:21	WG2221289
1,2-Dichloropropane	U		0.00267	0.00940	1.49	02/08/2024 04:21	WG2221289
1,1-Dichloropropene	U		0.00153	0.00471	1.49	02/08/2024 04:21	WG2221289
1,3-Dichloropropane	U		0.000941	0.00940	1.49	02/08/2024 04:21	WG2221289
cis-1,3-Dichloropropene	U		0.00143	0.00471	1.49	02/08/2024 04:21	WG2221289
trans-1,3-Dichloropropene	U		0.00214	0.00940	1.49	02/08/2024 04:21	WG2221289
2,2-Dichloropropane	U		0.00260	0.00471	1.49	02/08/2024 04:21	WG2221289
Di-isopropyl ether	U	C3	0.000771	0.00188	1.49	02/08/2024 04:21	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.00139	0.00471	1.49	02/08/2024 04:21	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.0113	0.0471	1.49	02/08/2024 04:21	WG2221289
Isopropylbenzene	U		0.000799	0.00471	1.49	02/08/2024 04:21	WG2221289
p-Isopropyltoluene	U		0.00479	0.00940	1.49	02/08/2024 04:21	WG2221289
2-Butanone (MEK)	U		0.119	0.188	1.49	02/08/2024 04:21	WG2221289
Methylene Chloride	0.0327	B J	0.0125	0.0471	1.49	02/08/2024 04:21	WG2221289
4-Methyl-2-pentanone (MIBK)	U		0.00429	0.0471	1.49	02/08/2024 04:21	WG2221289
Methyl tert-butyl ether	U		0.000659	0.00188	1.49	02/08/2024 04:21	WG2221289
Naphthalene	0.00949	C3 J	0.00917	0.0235	1.49	02/08/2024 04:21	WG2221289
n-Propylbenzene	U		0.00179	0.00940	1.49	02/08/2024 04:21	WG2221289
Styrene	U		0.000430	0.0235	1.49	02/08/2024 04:21	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00178	0.00471	1.49	02/08/2024 04:21	WG2221289
1,1,2,2-Tetrachloroethane	U		0.00131	0.00471	1.49	02/08/2024 04:21	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00141	0.00471	1.49	02/08/2024 04:21	WG2221289
Tetrachloroethene	U		0.00169	0.00471	1.49	02/08/2024 04:21	WG2221289
Toluene	0.00559	J	0.00245	0.00940	1.49	02/08/2024 04:21	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.0138	0.0235	1.49	02/08/2024 04:21	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00828	0.0235	1.49	02/08/2024 04:21	WG2221289
1,1,1-Trichloroethane	U		0.00174	0.00471	1.49	02/08/2024 04:21	WG2221289
1,1,2-Trichloroethane	U	J3	0.00112	0.00471	1.49	02/08/2024 04:21	WG2221289
Trichloroethene	U		0.00110	0.00188	1.49	02/08/2024 04:21	WG2221289
Trichlorofluoromethane	U		0.00155	0.00471	1.49	02/08/2024 04:21	WG2221289
1,2,3-Trichloropropane	U		0.00304	0.0235	1.49	02/08/2024 04:21	WG2221289
1,2,4-Trimethylbenzene	U		0.00296	0.00940	1.49	02/08/2024 04:21	WG2221289
1,2,3-Trimethylbenzene	U		0.00296	0.00940	1.49	02/08/2024 04:21	WG2221289
1,3,5-Trimethylbenzene	U		0.00376	0.00940	1.49	02/08/2024 04:21	WG2221289
Vinyl chloride	U	J3	0.00218	0.00471	1.49	02/08/2024 04:21	WG2221289
Xylenes, Total	U		0.00165	0.0122	1.49	02/08/2024 04:21	WG2221289
(S) Toluene-d8	105			75.0-131		02/08/2024 04:21	WG2221289
(S) 4-Bromofluorobenzene	102			67.0-138		02/08/2024 04:21	WG2221289
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/08/2024 04:21	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	242		1.54	4.63	1	02/13/2024 12:42	WG2224396
Residual Range Organics (RRO)	10.3	J	3.85	11.6	1	02/13/2024 12:42	WG2224396
(S) o-Terphenyl	50.5			18.0-148		02/13/2024 12:42	WG2224396

Sample Narrative:

L1701885-22 WG2224396: Sample resembles laboratory standard for Diesel.

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00266	0.00694	1	02/08/2024 03:13	WG2220596
Acenaphthene	0.251		0.00242	0.00694	1	02/08/2024 03:13	WG2220596
Acenaphthylene	U		0.00250	0.00694	1	02/08/2024 03:13	WG2220596
Benzo(a)anthracene	0.00253	J	0.00200	0.00694	1	02/08/2024 03:13	WG2220596
Benzo(a)pyrene	U		0.00207	0.00694	1	02/08/2024 03:13	WG2220596
Benzo(b)fluoranthene	U		0.00177	0.00694	1	02/08/2024 03:13	WG2220596
Benzo(g,h,i)perylene	U		0.00205	0.00694	1	02/08/2024 03:13	WG2220596
Benzo(k)fluoranthene	U		0.00249	0.00694	1	02/08/2024 03:13	WG2220596
Chrysene	0.00628	J	0.00268	0.00694	1	02/08/2024 03:13	WG2220596
Dibenz(a,h)anthracene	U		0.00199	0.00694	1	02/08/2024 03:13	WG2220596

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	0.0265		0.00263	0.00694	1	02/08/2024 03:13	WG2220596
Fluorene	0.319		0.00237	0.00694	1	02/08/2024 03:13	WG2220596
Indeno(1,2,3-cd)pyrene	U		0.00209	0.00694	1	02/08/2024 03:13	WG2220596
Naphthalene	0.252		0.00472	0.0231	1	02/08/2024 03:13	WG2220596
Phenanthrene	1.06		0.00267	0.00694	1	02/08/2024 03:13	WG2220596
Pyrene	0.0313		0.00231	0.00694	1	02/08/2024 03:13	WG2220596
1-Methylnaphthalene	2.74		0.00519	0.0231	1	02/08/2024 03:13	WG2220596
2-Methylnaphthalene	1.83		0.00494	0.0231	1	02/08/2024 03:13	WG2220596
2-Chloronaphthalene	U		0.00539	0.0231	1	02/08/2024 03:13	WG2220596
(S) p-Terphenyl-d14	83.8			23.0-120		02/08/2024 03:13	WG2220596
(S) Nitrobenzene-d5	0.000	J2		14.0-149		02/08/2024 03:13	WG2220596
(S) 2-Fluorobiphenyl	77.5			34.0-125		02/08/2024 03:13	WG2220596

Sample Narrative:

L1701885-22 WG2220596: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.0		1	02/06/2024 11:09	WG2220149

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.73	J	1.15	3.38	25	02/07/2024 07:25	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120		02/07/2024 07:25	WG2221255

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0494	0.0677	1	02/08/2024 04:40	WG2221289
Acrylonitrile	U		0.00489	0.0169	1	02/08/2024 04:40	WG2221289
Benzene	U		0.000632	0.00135	1	02/08/2024 04:40	WG2221289
Bromobenzene	U		0.00122	0.0169	1	02/08/2024 04:40	WG2221289
Bromodichloromethane	U		0.000981	0.00338	1	02/08/2024 04:40	WG2221289
Bromoform	U		0.00158	0.0338	1	02/08/2024 04:40	WG2221289
Bromomethane	U		0.00267	0.0169	1	02/08/2024 04:40	WG2221289
n-Butylbenzene	U		0.00711	0.0169	1	02/08/2024 04:40	WG2221289
sec-Butylbenzene	U		0.00390	0.0169	1	02/08/2024 04:40	WG2221289
tert-Butylbenzene	U		0.00264	0.00677	1	02/08/2024 04:40	WG2221289
Carbon disulfide	U		0.000947	0.0169	1	02/08/2024 04:40	WG2221289
Carbon tetrachloride	U		0.00122	0.00677	1	02/08/2024 04:40	WG2221289
Chlorobenzene	U		0.000284	0.00338	1	02/08/2024 04:40	WG2221289
Chlorodibromomethane	U		0.000828	0.00338	1	02/08/2024 04:40	WG2221289
Chloroethane	U		0.00230	0.00677	1	02/08/2024 04:40	WG2221289
Chloroform	0.00215	B J	0.00139	0.00338	1	02/08/2024 04:40	WG2221289
Chloromethane	U	J3 J4	0.00589	0.0169	1	02/08/2024 04:40	WG2221289
2-Chlorotoluene	U		0.00117	0.00338	1	02/08/2024 04:40	WG2221289
4-Chlorotoluene	U		0.000609	0.00677	1	02/08/2024 04:40	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00528	0.0338	1	02/08/2024 04:40	WG2221289
1,2-Dibromoethane	U		0.000877	0.00338	1	02/08/2024 04:40	WG2221289
Dibromomethane	U		0.00102	0.00677	1	02/08/2024 04:40	WG2221289
1,2-Dichlorobenzene	U		0.000575	0.00677	1	02/08/2024 04:40	WG2221289
1,3-Dichlorobenzene	U		0.000812	0.00677	1	02/08/2024 04:40	WG2221289
1,4-Dichlorobenzene	U		0.000947	0.00677	1	02/08/2024 04:40	WG2221289
Dichlorodifluoromethane	U		0.00218	0.00677	1	02/08/2024 04:40	WG2221289
1,1-Dichloroethane	U		0.000665	0.00338	1	02/08/2024 04:40	WG2221289
1,2-Dichloroethane	U		0.000878	0.00338	1	02/08/2024 04:40	WG2221289
1,1-Dichloroethene	U		0.000820	0.00338	1	02/08/2024 04:40	WG2221289
cis-1,2-Dichloroethene	U		0.000993	0.00338	1	02/08/2024 04:40	WG2221289
trans-1,2-Dichloroethene	U		0.00141	0.00677	1	02/08/2024 04:40	WG2221289
1,2-Dichloropropane	U		0.00192	0.00677	1	02/08/2024 04:40	WG2221289
1,1-Dichloropropene	U		0.00109	0.00338	1	02/08/2024 04:40	WG2221289
1,3-Dichloropropane	U		0.000678	0.00677	1	02/08/2024 04:40	WG2221289
cis-1,3-Dichloropropene	U		0.00102	0.00338	1	02/08/2024 04:40	WG2221289
trans-1,3-Dichloropropene	U		0.00154	0.00677	1	02/08/2024 04:40	WG2221289
2,2-Dichloropropane	U		0.00187	0.00338	1	02/08/2024 04:40	WG2221289
Di-isopropyl ether	U	C3	0.000555	0.00135	1	02/08/2024 04:40	WG2221289
Ethylbenzene	U		0.000997	0.00338	1	02/08/2024 04:40	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00812	0.0338	1	02/08/2024 04:40	WG2221289
Isopropylbenzene	U		0.000575	0.00338	1	02/08/2024 04:40	WG2221289
p-Isopropyltoluene	U		0.00345	0.00677	1	02/08/2024 04:40	WG2221289
2-Butanone (MEK)	U		0.0859	0.135	1	02/08/2024 04:40	WG2221289
Methylene Chloride	0.0143	B J	0.00899	0.0338	1	02/08/2024 04:40	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	U		0.00309	0.0338	1	02/08/2024 04:40	WG2221289
Methyl tert-butyl ether	U		0.000474	0.00135	1	02/08/2024 04:40	WG2221289
Naphthalene	U	C3	0.00660	0.0169	1	02/08/2024 04:40	WG2221289
n-Propylbenzene	U		0.00129	0.00677	1	02/08/2024 04:40	WG2221289
Styrene	U		0.000310	0.0169	1	02/08/2024 04:40	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00128	0.00338	1	02/08/2024 04:40	WG2221289
1,1,2,2-Tetrachloroethane	U		0.000941	0.00338	1	02/08/2024 04:40	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00338	1	02/08/2024 04:40	WG2221289
Tetrachloroethene	U		0.00121	0.00338	1	02/08/2024 04:40	WG2221289
Toluene	U		0.00176	0.00677	1	02/08/2024 04:40	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.00992	0.0169	1	02/08/2024 04:40	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00596	0.0169	1	02/08/2024 04:40	WG2221289
1,1,1-Trichloroethane	U		0.00125	0.00338	1	02/08/2024 04:40	WG2221289
1,1,2-Trichloroethane	U	J3	0.000808	0.00338	1	02/08/2024 04:40	WG2221289
Trichloroethene	U		0.000790	0.00135	1	02/08/2024 04:40	WG2221289
Trichlorofluoromethane	U		0.00112	0.00338	1	02/08/2024 04:40	WG2221289
1,2,3-Trichloropropane	U		0.00219	0.0169	1	02/08/2024 04:40	WG2221289
1,2,4-Trimethylbenzene	U		0.00214	0.00677	1	02/08/2024 04:40	WG2221289
1,2,3-Trimethylbenzene	U		0.00214	0.00677	1	02/08/2024 04:40	WG2221289
1,3,5-Trimethylbenzene	U		0.00271	0.00677	1	02/08/2024 04:40	WG2221289
Vinyl chloride	U	J3	0.00157	0.00338	1	02/08/2024 04:40	WG2221289
Xylenes, Total	U		0.00119	0.00880	1	02/08/2024 04:40	WG2221289
(S) Toluene-d8	106			75.0-131		02/08/2024 04:40	WG2221289
(S) 4-Bromofluorobenzene	94.0			67.0-138		02/08/2024 04:40	WG2221289
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/08/2024 04:40	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	130		1.55	4.65	1	02/13/2024 12:28	WG2224396
Residual Range Organics (RRO)	5.62	J	3.87	11.6	1	02/13/2024 12:28	WG2224396
(S) o-Terphenyl	45.3			18.0-148		02/13/2024 12:28	WG2224396

Sample Narrative:

L1701885-26 WG2224396: Sample resembles laboratory standard for Diesel.

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 20:48	WG2219791

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	87.9	B J	31.6	100	1	02/08/2024 17:02	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/08/2024 17:02	WG2222440

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 19:23	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 19:23	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 19:23	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 19:23	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 19:23	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 19:23	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 19:23	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 19:23	WG2219844
n-Butylbenzene	1.14		0.157	1.00	1	02/04/2024 19:23	WG2219844
sec-Butylbenzene	0.437	J	0.125	1.00	1	02/04/2024 19:23	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 19:23	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 19:23	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 19:23	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 19:23	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 19:23	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 19:23	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 19:23	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 19:23	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 19:23	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 19:23	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 19:23	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 19:23	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 19:23	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 19:23	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 19:23	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 19:23	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 19:23	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 19:23	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 19:23	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 19:23	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 19:23	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 19:23	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 19:23	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 19:23	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 19:23	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 19:23	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 19:23	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 19:23	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 19:23	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 19:23	WG2219844
Isopropylbenzene	0.459	J	0.105	1.00	1	02/04/2024 19:23	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 19:23	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 19:23	WG2219844

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 19:23	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 19:23	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 19:23	WG2219844
Naphthalene	1.61	U	1.00	5.00	1	02/04/2024 19:23	WG2219844
n-Propylbenzene	0.883	U	0.0993	1.00	1	02/04/2024 19:23	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 19:23	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 19:23	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 19:23	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 19:23	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 19:23	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 19:23	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 19:23	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 19:23	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 19:23	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 19:23	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 19:23	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 19:23	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 19:23	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 19:23	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 19:23	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 19:23	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 19:23	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 19:23	WG2219844
(S) Toluene-d8	108			80.0-120		02/04/2024 19:23	WG2219844
(S) 4-Bromofluorobenzene	98.9			77.0-126		02/04/2024 19:23	WG2219844
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/04/2024 19:23	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	923		33.6	101	1.01	02/14/2024 03:34	WG2224397
Residual Range Organics (RRO)	468		84.1	253	1.01	02/14/2024 03:34	WG2224397
(S) o-Terphenyl	31.6			31.0-160		02/14/2024 03:34	WG2224397

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.241		0.0380	0.100	2	02/05/2024 18:00	WG2219640
Acenaphthene	0.220		0.0380	0.100	2	02/05/2024 18:00	WG2219640
Acenaphthylene	0.0559	U	0.0342	0.100	2	02/05/2024 18:00	WG2219640
Benzo(a)anthracene	U		0.0406	0.100	2	02/05/2024 18:00	WG2219640
Benzo(a)pyrene	U		0.0368	0.100	2	02/05/2024 18:00	WG2219640
Benzo(b)fluoranthene	U		0.0336	0.100	2	02/05/2024 18:00	WG2219640
Benzo(g,h,i)perylene	U		0.0368	0.100	2	02/05/2024 18:00	WG2219640
Benzo(k)fluoranthene	U		0.0404	0.100	2	02/05/2024 18:00	WG2219640
Chrysene	U		0.0358	0.100	2	02/05/2024 18:00	WG2219640
Dibenz(a,h)anthracene	U		0.0320	0.100	2	02/05/2024 18:00	WG2219640
Fluoranthene	U		0.0540	0.200	2	02/05/2024 18:00	WG2219640
Fluorene	0.428		0.0338	0.100	2	02/05/2024 18:00	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0316	0.100	2	02/05/2024 18:00	WG2219640
Naphthalene	U		0.183	0.500	2	02/05/2024 18:00	WG2219640
Phenanthrene	0.265		0.0360	0.100	2	02/05/2024 18:00	WG2219640
Pyrene	U		0.0338	0.100	2	02/05/2024 18:00	WG2219640
1-Methylnaphthalene	3.14		0.137	0.500	2	02/05/2024 18:00	WG2219640
2-Methylnaphthalene	0.736		0.135	0.500	2	02/05/2024 18:00	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.136	0.500	2	02/05/2024 18:00	WG2219640
(S) Nitrobenzene-d5	95.8			31.0-160		02/05/2024 18:00	WG2219640
(S) 2-Fluorobiphenyl	76.8			48.0-148		02/05/2024 18:00	WG2219640
(S) p-Terphenyl-d14	53.2			37.0-146		02/05/2024 18:00	WG2219640

Sample Narrative:

L1701885-29 WG2219640: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 20:51	WG2219791

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	643		31.6	100	1	02/08/2024 17:24	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120		02/08/2024 17:24	WG2222440

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 19:45	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 19:45	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 19:45	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 19:45	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 19:45	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 19:45	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 19:45	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 19:45	WG2219844
n-Butylbenzene	2.76		0.157	1.00	1	02/04/2024 19:45	WG2219844
sec-Butylbenzene	2.34		0.125	1.00	1	02/04/2024 19:45	WG2219844
tert-Butylbenzene	0.364	J	0.127	1.00	1	02/04/2024 19:45	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 19:45	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 19:45	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 19:45	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 19:45	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 19:45	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 19:45	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 19:45	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 19:45	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 19:45	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 19:45	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 19:45	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 19:45	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 19:45	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 19:45	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 19:45	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 19:45	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 19:45	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 19:45	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 19:45	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 19:45	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 19:45	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 19:45	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 19:45	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 19:45	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 19:45	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 19:45	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 19:45	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 19:45	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 19:45	WG2219844
Isopropylbenzene	1.75		0.105	1.00	1	02/04/2024 19:45	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 19:45	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 19:45	WG2219844

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 19:45	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 19:45	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 19:45	WG2219844
Naphthalene	U		1.00	5.00	1	02/04/2024 19:45	WG2219844
n-Propylbenzene	2.43		0.0993	1.00	1	02/04/2024 19:45	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 19:45	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 19:45	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 19:45	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 19:45	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 19:45	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 19:45	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 19:45	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 19:45	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 19:45	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 19:45	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 19:45	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 19:45	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 19:45	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 19:45	WG2219844
1,2,3-Trimethylbenzene	0.802	J	0.104	1.00	1	02/04/2024 19:45	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 19:45	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 19:45	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 19:45	WG2219844
(S) Toluene-d8	113			80.0-120		02/04/2024 19:45	WG2219844
(S) 4-Bromofluorobenzene	161	J1		77.0-126		02/04/2024 19:45	WG2219844
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/04/2024 19:45	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	15500		171	515	5.15	02/19/2024 13:54	WG2224397
Residual Range Organics (RRO)	524		85.8	258	1.03	02/14/2024 03:54	WG2224397
(S) o-Terphenyl	78.6			31.0-160		02/14/2024 03:54	WG2224397
(S) o-Terphenyl	44.8			31.0-160		02/19/2024 13:54	WG2224397

Sample Narrative:

L1701885-30 WG2224397: Sample resembles laboratory standard for Diesel.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.362		0.0380	0.100	2	02/05/2024 18:18	WG2219640
Acenaphthene	3.53		0.0380	0.100	2	02/05/2024 18:18	WG2219640
Acenaphthylene	0.782		0.0342	0.100	2	02/05/2024 18:18	WG2219640
Benzo(a)anthracene	0.0616	J	0.0406	0.100	2	02/05/2024 18:18	WG2219640
Benzo(a)pyrene	U		0.0368	0.100	2	02/05/2024 18:18	WG2219640
Benzo(b)fluoranthene	U		0.0336	0.100	2	02/05/2024 18:18	WG2219640
Benzo(g,h,i)perylene	U		0.0368	0.100	2	02/05/2024 18:18	WG2219640
Benzo(k)fluoranthene	U		0.0404	0.100	2	02/05/2024 18:18	WG2219640
Chrysene	0.0998	J	0.0358	0.100	2	02/05/2024 18:18	WG2219640
Dibenz(a,h)anthracene	U		0.0320	0.100	2	02/05/2024 18:18	WG2219640
Fluoranthene	2.15		0.0540	0.200	2	02/05/2024 18:18	WG2219640
Fluorene	6.67		0.0338	0.100	2	02/05/2024 18:18	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0316	0.100	2	02/05/2024 18:18	WG2219640
Naphthalene	U		0.183	0.500	2	02/05/2024 18:18	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phenanthrene	2.66		0.0360	0.100	2	02/05/2024 18:18	WG2219640
Pyrene	1.41		0.0338	0.100	2	02/05/2024 18:18	WG2219640
1-Methylnaphthalene	19.9		0.137	0.500	2	02/05/2024 18:18	WG2219640
2-Methylnaphthalene	10.3		0.135	0.500	2	02/05/2024 18:18	WG2219640
2-Chloronaphthalene	U		0.136	0.500	2	02/05/2024 18:18	WG2219640
(S) Nitrobenzene-d5	0.000	J2		31.0-160		02/05/2024 18:18	WG2219640
(S) 2-Fluorobiphenyl	74.2			48.0-148		02/05/2024 18:18	WG2219640
(S) p-Terphenyl-d14	67.9			37.0-146		02/05/2024 18:18	WG2219640

Sample Narrative:

L1701885-30 WG2219640: Surrogate & dilution failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 20:55	WG2219791

¹ Cp

² Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	268	B	31.6	100	1	02/08/2024 17:47	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120		02/08/2024 17:47	WG2222440

³ Ss

⁴ Cn

⁵ Sr

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 20:07	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 20:07	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 20:07	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 20:07	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 20:07	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 20:07	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 20:07	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 20:07	WG2219844
n-Butylbenzene	U		0.157	1.00	1	02/04/2024 20:07	WG2219844
sec-Butylbenzene	U		0.125	1.00	1	02/04/2024 20:07	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 20:07	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 20:07	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 20:07	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 20:07	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 20:07	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 20:07	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 20:07	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 20:07	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 20:07	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 20:07	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 20:07	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 20:07	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 20:07	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 20:07	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 20:07	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 20:07	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 20:07	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 20:07	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 20:07	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 20:07	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 20:07	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 20:07	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 20:07	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 20:07	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 20:07	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 20:07	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 20:07	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 20:07	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 20:07	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 20:07	WG2219844
Isopropylbenzene	U		0.105	1.00	1	02/04/2024 20:07	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 20:07	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 20:07	WG2219844

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 20:07	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 20:07	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 20:07	WG2219844
Naphthalene	U		1.00	5.00	1	02/04/2024 20:07	WG2219844
n-Propylbenzene	U		0.0993	1.00	1	02/04/2024 20:07	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 20:07	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 20:07	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 20:07	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 20:07	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 20:07	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 20:07	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 20:07	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 20:07	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 20:07	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 20:07	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 20:07	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 20:07	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 20:07	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 20:07	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:07	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:07	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 20:07	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 20:07	WG2219844
(S) Toluene-d8	110			80.0-120		02/04/2024 20:07	WG2219844
(S) 4-Bromofluorobenzene	97.4			77.0-126		02/04/2024 20:07	WG2219844
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/04/2024 20:07	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	116	<u>J</u>	66.7	200	1	02/14/2024 02:30	WG2225625
Residual Range Organics (RRO)	U		83.3	250	1	02/14/2024 02:30	WG2225625
(S) o-Terphenyl	169	<u>J1</u>		52.0-156		02/14/2024 02:30	WG2225625

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	02/05/2024 15:03	WG2219640
Acenaphthene	0.0422	<u>J</u>	0.0190	0.0500	1	02/05/2024 15:03	WG2219640
Acenaphthylene	U		0.0171	0.0500	1	02/05/2024 15:03	WG2219640
Benzo(a)anthracene	U		0.0203	0.0500	1	02/05/2024 15:03	WG2219640
Benzo(a)pyrene	U		0.0184	0.0500	1	02/05/2024 15:03	WG2219640
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/05/2024 15:03	WG2219640
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/05/2024 15:03	WG2219640
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/05/2024 15:03	WG2219640
Chrysene	U		0.0179	0.0500	1	02/05/2024 15:03	WG2219640
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/05/2024 15:03	WG2219640
Fluoranthene	U		0.0270	0.100	1	02/05/2024 15:03	WG2219640
Fluorene	0.0660		0.0169	0.0500	1	02/05/2024 15:03	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/05/2024 15:03	WG2219640
Naphthalene	U		0.0917	0.250	1	02/05/2024 15:03	WG2219640
Phenanthrene	0.119		0.0180	0.0500	1	02/05/2024 15:03	WG2219640
Pyrene	0.0273	<u>J</u>	0.0169	0.0500	1	02/05/2024 15:03	WG2219640
1-Methylnaphthalene	0.476		0.0687	0.250	1	02/05/2024 15:03	WG2219640
2-Methylnaphthalene	0.264		0.0674	0.250	1	02/05/2024 15:03	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.0682	0.250	1	02/05/2024 15:03	WG2219640
(S) Nitrobenzene-d5	104			31.0-160		02/05/2024 15:03	WG2219640
(S) 2-Fluorobiphenyl	104			48.0-148		02/05/2024 15:03	WG2219640
(S) p-Terphenyl-d14	83.7			37.0-146		02/05/2024 15:03	WG2219640

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 20:58	WG2219791

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	55.1	B J	31.6	100	1	02/08/2024 18:10	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/08/2024 18:10	WG2222440

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 20:29	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 20:29	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 20:29	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 20:29	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 20:29	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 20:29	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 20:29	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 20:29	WG2219844
n-Butylbenzene	U		0.157	1.00	1	02/04/2024 20:29	WG2219844
sec-Butylbenzene	U		0.125	1.00	1	02/04/2024 20:29	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 20:29	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 20:29	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 20:29	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 20:29	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 20:29	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 20:29	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 20:29	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 20:29	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 20:29	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 20:29	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 20:29	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 20:29	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 20:29	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 20:29	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 20:29	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 20:29	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 20:29	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 20:29	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 20:29	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 20:29	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 20:29	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 20:29	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 20:29	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 20:29	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 20:29	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 20:29	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 20:29	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 20:29	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 20:29	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 20:29	WG2219844
Isopropylbenzene	U		0.105	1.00	1	02/04/2024 20:29	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 20:29	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 20:29	WG2219844

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 20:29	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 20:29	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 20:29	WG2219844
Naphthalene	U		1.00	5.00	1	02/04/2024 20:29	WG2219844
n-Propylbenzene	U		0.0993	1.00	1	02/04/2024 20:29	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 20:29	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 20:29	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 20:29	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 20:29	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 20:29	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 20:29	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 20:29	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 20:29	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 20:29	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 20:29	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 20:29	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 20:29	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 20:29	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 20:29	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:29	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:29	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 20:29	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 20:29	WG2219844
(S) Toluene-d8	108			80.0-120		02/04/2024 20:29	WG2219844
(S) 4-Bromofluorobenzene	97.4			77.0-126		02/04/2024 20:29	WG2219844
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/04/2024 20:29	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	246		34.6	104	1.04	02/14/2024 04:14	WG2224397
Residual Range Organics (RRO)	292		86.6	260	1.04	02/14/2024 04:14	WG2224397
(S) o-Terphenyl	55.8			31.0-160		02/14/2024 04:14	WG2224397

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.0239	J	0.0190	0.0500	1	02/05/2024 15:20	WG2219640
Acenaphthene	U		0.0190	0.0500	1	02/05/2024 15:20	WG2219640
Acenaphthylene	U		0.0171	0.0500	1	02/05/2024 15:20	WG2219640
Benzo(a)anthracene	U		0.0203	0.0500	1	02/05/2024 15:20	WG2219640
Benzo(a)pyrene	U		0.0184	0.0500	1	02/05/2024 15:20	WG2219640
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/05/2024 15:20	WG2219640
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/05/2024 15:20	WG2219640
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/05/2024 15:20	WG2219640
Chrysene	U		0.0179	0.0500	1	02/05/2024 15:20	WG2219640
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/05/2024 15:20	WG2219640
Fluoranthene	U		0.0270	0.100	1	02/05/2024 15:20	WG2219640
Fluorene	U		0.0169	0.0500	1	02/05/2024 15:20	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/05/2024 15:20	WG2219640
Naphthalene	U		0.0917	0.250	1	02/05/2024 15:20	WG2219640
Phenanthrene	U		0.0180	0.0500	1	02/05/2024 15:20	WG2219640
Pyrene	U		0.0169	0.0500	1	02/05/2024 15:20	WG2219640
1-Methylnaphthalene	U		0.0687	0.250	1	02/05/2024 15:20	WG2219640
2-Methylnaphthalene	U		0.0674	0.250	1	02/05/2024 15:20	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.0682	0.250	1	02/05/2024 15:20	WG2219640
(S) Nitrobenzene-d5	115			31.0-160		02/05/2024 15:20	WG2219640
(S) 2-Fluorobiphenyl	118			48.0-148		02/05/2024 15:20	WG2219640
(S) p-Terphenyl-d14	107			37.0-146		02/05/2024 15:20	WG2219640

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 19:34	WG2219791

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	42.6	B J	31.6	100	1	02/08/2024 18:32	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/08/2024 18:32	WG2222440

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 20:51	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 20:51	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 20:51	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 20:51	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 20:51	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 20:51	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 20:51	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 20:51	WG2219844
n-Butylbenzene	U		0.157	1.00	1	02/04/2024 20:51	WG2219844
sec-Butylbenzene	U		0.125	1.00	1	02/04/2024 20:51	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 20:51	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 20:51	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 20:51	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 20:51	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 20:51	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 20:51	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 20:51	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 20:51	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 20:51	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 20:51	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 20:51	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 20:51	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 20:51	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 20:51	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 20:51	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 20:51	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 20:51	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 20:51	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 20:51	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 20:51	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 20:51	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 20:51	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 20:51	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 20:51	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 20:51	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 20:51	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 20:51	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 20:51	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 20:51	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 20:51	WG2219844
Isopropylbenzene	U		0.105	1.00	1	02/04/2024 20:51	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 20:51	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 20:51	WG2219844

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 20:51	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 20:51	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 20:51	WG2219844
Naphthalene	U		1.00	5.00	1	02/04/2024 20:51	WG2219844
n-Propylbenzene	U		0.0993	1.00	1	02/04/2024 20:51	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 20:51	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 20:51	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 20:51	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 20:51	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 20:51	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 20:51	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 20:51	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 20:51	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 20:51	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 20:51	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 20:51	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 20:51	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 20:51	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 20:51	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:51	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 20:51	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 20:51	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 20:51	WG2219844
(S) Toluene-d8	109			80.0-120		02/04/2024 20:51	WG2219844
(S) 4-Bromofluorobenzene	99.0			77.0-126		02/04/2024 20:51	WG2219844
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/04/2024 20:51	WG2219844

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 NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	275		35.0	105	1.05	02/14/2024 04:35	WG2224397
Residual Range Organics (RRO)	286		87.5	263	1.05	02/14/2024 04:35	WG2224397
(S) o-Terphenyl	57.6			31.0-160		02/14/2024 04:35	WG2224397

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.0365	U	0.0190	0.0500	1	02/05/2024 15:38	WG2219640
Acenaphthene	U		0.0190	0.0500	1	02/05/2024 15:38	WG2219640
Acenaphthylene	U		0.0171	0.0500	1	02/05/2024 15:38	WG2219640
Benzo(a)anthracene	U		0.0203	0.0500	1	02/05/2024 15:38	WG2219640
Benzo(a)pyrene	U		0.0184	0.0500	1	02/05/2024 15:38	WG2219640
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/05/2024 15:38	WG2219640
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/05/2024 15:38	WG2219640
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/05/2024 15:38	WG2219640
Chrysene	U		0.0179	0.0500	1	02/05/2024 15:38	WG2219640
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/05/2024 15:38	WG2219640
Fluoranthene	U		0.0270	0.100	1	02/05/2024 15:38	WG2219640
Fluorene	U		0.0169	0.0500	1	02/05/2024 15:38	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/05/2024 15:38	WG2219640
Naphthalene	U		0.0917	0.250	1	02/05/2024 15:38	WG2219640
Phenanthrene	U		0.0180	0.0500	1	02/05/2024 15:38	WG2219640
Pyrene	U		0.0169	0.0500	1	02/05/2024 15:38	WG2219640
1-Methylnaphthalene	U		0.0687	0.250	1	02/05/2024 15:38	WG2219640
2-Methylnaphthalene	U		0.0674	0.250	1	02/05/2024 15:38	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.0682	0.250	1	02/05/2024 15:38	WG2219640
(S) Nitrobenzene-d5	109			31.0-160		02/05/2024 15:38	WG2219640
(S) 2-Fluorobiphenyl	113			48.0-148		02/05/2024 15:38	WG2219640
(S) p-Terphenyl-d14	106			37.0-146		02/05/2024 15:38	WG2219640

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/05/2024 21:01	WG2219791

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	97.1	B J	31.6	100	1	02/08/2024 18:55	WG2222440
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/08/2024 18:55	WG2222440

⁶ Qc

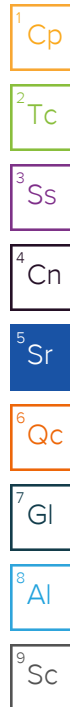
Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/04/2024 21:13	WG2219844
Acrolein	U		2.54	50.0	1	02/04/2024 21:13	WG2219844
Acrylonitrile	U	J3	0.671	10.0	1	02/04/2024 21:13	WG2219844
Benzene	U		0.0941	1.00	1	02/04/2024 21:13	WG2219844
Bromobenzene	U		0.118	1.00	1	02/04/2024 21:13	WG2219844
Bromodichloromethane	U		0.136	1.00	1	02/04/2024 21:13	WG2219844
Bromoform	U		0.129	1.00	1	02/04/2024 21:13	WG2219844
Bromomethane	U		0.605	5.00	1	02/04/2024 21:13	WG2219844
n-Butylbenzene	0.970	J	0.157	1.00	1	02/04/2024 21:13	WG2219844
sec-Butylbenzene	0.377	J	0.125	1.00	1	02/04/2024 21:13	WG2219844
tert-Butylbenzene	U		0.127	1.00	1	02/04/2024 21:13	WG2219844
Carbon tetrachloride	U		0.128	1.00	1	02/04/2024 21:13	WG2219844
Chlorobenzene	U		0.116	1.00	1	02/04/2024 21:13	WG2219844
Chlorodibromomethane	U		0.140	1.00	1	02/04/2024 21:13	WG2219844
Chloroethane	U		0.192	5.00	1	02/04/2024 21:13	WG2219844
Chloroform	U		0.111	5.00	1	02/04/2024 21:13	WG2219844
Chloromethane	U		0.960	2.50	1	02/04/2024 21:13	WG2219844
2-Chlorotoluene	U		0.106	1.00	1	02/04/2024 21:13	WG2219844
4-Chlorotoluene	U		0.114	1.00	1	02/04/2024 21:13	WG2219844
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/04/2024 21:13	WG2219844
1,2-Dibromoethane	U	J4	0.126	1.00	1	02/04/2024 21:13	WG2219844
Dibromomethane	U		0.122	1.00	1	02/04/2024 21:13	WG2219844
1,2-Dichlorobenzene	U		0.107	1.00	1	02/04/2024 21:13	WG2219844
1,3-Dichlorobenzene	U		0.110	1.00	1	02/04/2024 21:13	WG2219844
1,4-Dichlorobenzene	U		0.120	1.00	1	02/04/2024 21:13	WG2219844
Dichlorodifluoromethane	U		0.374	5.00	1	02/04/2024 21:13	WG2219844
1,1-Dichloroethane	U		0.100	1.00	1	02/04/2024 21:13	WG2219844
1,2-Dichloroethane	U		0.0819	1.00	1	02/04/2024 21:13	WG2219844
1,1-Dichloroethene	U		0.188	1.00	1	02/04/2024 21:13	WG2219844
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/04/2024 21:13	WG2219844
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/04/2024 21:13	WG2219844
1,2-Dichloropropane	U		0.149	1.00	1	02/04/2024 21:13	WG2219844
1,1-Dichloropropene	U		0.142	1.00	1	02/04/2024 21:13	WG2219844
1,3-Dichloropropane	U		0.110	1.00	1	02/04/2024 21:13	WG2219844
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/04/2024 21:13	WG2219844
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/04/2024 21:13	WG2219844
2,2-Dichloropropane	U		0.161	1.00	1	02/04/2024 21:13	WG2219844
Di-isopropyl ether	U		0.105	1.00	1	02/04/2024 21:13	WG2219844
Ethylbenzene	U		0.137	1.00	1	02/04/2024 21:13	WG2219844
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/04/2024 21:13	WG2219844
Isopropylbenzene	0.386	J	0.105	1.00	1	02/04/2024 21:13	WG2219844
p-Isopropyltoluene	U		0.120	1.00	1	02/04/2024 21:13	WG2219844
2-Butanone (MEK)	U	J3	1.19	10.0	1	02/04/2024 21:13	WG2219844

⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	5.00	1	02/04/2024 21:13	WG2219844
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/04/2024 21:13	WG2219844
Methyl tert-butyl ether	U		0.101	1.00	1	02/04/2024 21:13	WG2219844
Naphthalene	U		1.00	5.00	1	02/04/2024 21:13	WG2219844
n-Propylbenzene	0.819	<u>J</u>	0.0993	1.00	1	02/04/2024 21:13	WG2219844
Styrene	U		0.118	1.00	1	02/04/2024 21:13	WG2219844
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/04/2024 21:13	WG2219844
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/04/2024 21:13	WG2219844
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/04/2024 21:13	WG2219844
Tetrachloroethene	U		0.300	1.00	1	02/04/2024 21:13	WG2219844
Toluene	U		0.278	1.00	1	02/04/2024 21:13	WG2219844
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/04/2024 21:13	WG2219844
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/04/2024 21:13	WG2219844
1,1,1-Trichloroethane	U		0.149	1.00	1	02/04/2024 21:13	WG2219844
1,1,2-Trichloroethane	U		0.158	1.00	1	02/04/2024 21:13	WG2219844
Trichloroethene	U		0.190	1.00	1	02/04/2024 21:13	WG2219844
Trichlorofluoromethane	U		0.160	5.00	1	02/04/2024 21:13	WG2219844
1,2,3-Trichloropropane	U		0.237	2.50	1	02/04/2024 21:13	WG2219844
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/04/2024 21:13	WG2219844
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 21:13	WG2219844
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/04/2024 21:13	WG2219844
Vinyl chloride	U		0.234	1.00	1	02/04/2024 21:13	WG2219844
Xylenes, Total	U		0.174	3.00	1	02/04/2024 21:13	WG2219844
(S) Toluene-d8	108			80.0-120		02/04/2024 21:13	WG2219844
(S) 4-Bromofluorobenzene	96.2			77.0-126		02/04/2024 21:13	WG2219844
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/04/2024 21:13	WG2219844



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	707		34.0	102	1.02	02/14/2024 04:55	WG2224397
Residual Range Organics (RRO)	453		85.0	255	1.02	02/14/2024 04:55	WG2224397
(S) o-Terphenyl	29.7	<u>J2</u>		31.0-160		02/14/2024 04:55	WG2224397

Sample Narrative:

L1701885-34 WG2224397: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.269		0.0380	0.100	2	02/05/2024 18:36	WG2219640
Acenaphthene	0.454		0.0380	0.100	2	02/05/2024 18:36	WG2219640
Acenaphthylene	0.105		0.0342	0.100	2	02/05/2024 18:36	WG2219640
Benzo(a)anthracene	U		0.0406	0.100	2	02/05/2024 18:36	WG2219640
Benzo(a)pyrene	U		0.0368	0.100	2	02/05/2024 18:36	WG2219640
Benzo(b)fluoranthene	U		0.0336	0.100	2	02/05/2024 18:36	WG2219640
Benzo(g,h,i)perylene	U		0.0368	0.100	2	02/05/2024 18:36	WG2219640
Benzo(k)fluoranthene	U		0.0404	0.100	2	02/05/2024 18:36	WG2219640
Chrysene	U		0.0358	0.100	2	02/05/2024 18:36	WG2219640
Dibenz(a,h)anthracene	U		0.0320	0.100	2	02/05/2024 18:36	WG2219640
Fluoranthene	U		0.0540	0.200	2	02/05/2024 18:36	WG2219640
Fluorene	0.948		0.0338	0.100	2	02/05/2024 18:36	WG2219640
Indeno(1,2,3-cd)pyrene	U		0.0316	0.100	2	02/05/2024 18:36	WG2219640
Naphthalene	U		0.183	0.500	2	02/05/2024 18:36	WG2219640
Phenanthrene	0.669		0.0360	0.100	2	02/05/2024 18:36	WG2219640

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Pyrene	0.0487	J	0.0338	0.100	2	02/05/2024 18:36	WG2219640
1-Methylnaphthalene	6.98		0.137	0.500	2	02/05/2024 18:36	WG2219640
2-Methylnaphthalene	1.76		0.135	0.500	2	02/05/2024 18:36	WG2219640
2-Chloronaphthalene	U		0.136	0.500	2	02/05/2024 18:36	WG2219640
(S) Nitrobenzene-d5	106			31.0-160		02/05/2024 18:36	WG2219640
(S) 2-Fluorobiphenyl	88.4			48.0-148		02/05/2024 18:36	WG2219640
(S) p-Terphenyl-d14	66.3			37.0-146		02/05/2024 18:36	WG2219640

Sample Narrative:

L1701885-34 WG2219640: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	88.9		1	02/06/2024 11:09	WG2220149

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.40	<u>J</u>	1.06	3.13	25	02/07/2024 07:44	WG2221255
(S) a,a,a-Trifluorotoluene(FID)	91.2			77.0-120		02/07/2024 07:44	WG2221255

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0457	0.0626	1	02/08/2024 04:59	WG2221289
Acrylonitrile	U		0.00452	0.0156	1	02/08/2024 04:59	WG2221289
Benzene	U		0.000584	0.00125	1	02/08/2024 04:59	WG2221289
Bromobenzene	U		0.00113	0.0156	1	02/08/2024 04:59	WG2221289
Bromodichloromethane	U		0.000907	0.00313	1	02/08/2024 04:59	WG2221289
Bromoform	U		0.00146	0.0313	1	02/08/2024 04:59	WG2221289
Bromomethane	U		0.00246	0.0156	1	02/08/2024 04:59	WG2221289
n-Butylbenzene	U		0.00657	0.0156	1	02/08/2024 04:59	WG2221289
sec-Butylbenzene	U		0.00360	0.0156	1	02/08/2024 04:59	WG2221289
tert-Butylbenzene	U		0.00244	0.00626	1	02/08/2024 04:59	WG2221289
Carbon disulfide	U		0.000876	0.0156	1	02/08/2024 04:59	WG2221289
Carbon tetrachloride	U		0.00112	0.00626	1	02/08/2024 04:59	WG2221289
Chlorobenzene	U		0.000263	0.00313	1	02/08/2024 04:59	WG2221289
Chlorodibromomethane	U		0.000766	0.00313	1	02/08/2024 04:59	WG2221289
Chloroethane	U		0.00213	0.00626	1	02/08/2024 04:59	WG2221289
Chloroform	0.00288	B J	0.00129	0.00313	1	02/08/2024 04:59	WG2221289
Chloromethane	U	J3 J4	0.00544	0.0156	1	02/08/2024 04:59	WG2221289
2-Chlorotoluene	U		0.00108	0.00313	1	02/08/2024 04:59	WG2221289
4-Chlorotoluene	U		0.000563	0.00626	1	02/08/2024 04:59	WG2221289
1,2-Dibromo-3-Chloropropane	U		0.00488	0.0313	1	02/08/2024 04:59	WG2221289
1,2-Dibromoethane	U		0.000811	0.00313	1	02/08/2024 04:59	WG2221289
Dibromomethane	U		0.000938	0.00626	1	02/08/2024 04:59	WG2221289
1,2-Dichlorobenzene	U		0.000532	0.00626	1	02/08/2024 04:59	WG2221289
1,3-Dichlorobenzene	U		0.000751	0.00626	1	02/08/2024 04:59	WG2221289
1,4-Dichlorobenzene	U		0.000876	0.00626	1	02/08/2024 04:59	WG2221289
Dichlorodifluoromethane	U		0.00201	0.00626	1	02/08/2024 04:59	WG2221289
1,1-Dichloroethane	U		0.000614	0.00313	1	02/08/2024 04:59	WG2221289
1,2-Dichloroethane	U		0.000812	0.00313	1	02/08/2024 04:59	WG2221289
1,1-Dichloroethene	U		0.000758	0.00313	1	02/08/2024 04:59	WG2221289
cis-1,2-Dichloroethene	U		0.000918	0.00313	1	02/08/2024 04:59	WG2221289
trans-1,2-Dichloroethene	U		0.00130	0.00626	1	02/08/2024 04:59	WG2221289
1,2-Dichloropropane	U		0.00178	0.00626	1	02/08/2024 04:59	WG2221289
1,1-Dichloropropene	U		0.00101	0.00313	1	02/08/2024 04:59	WG2221289
1,3-Dichloropropane	U		0.000627	0.00626	1	02/08/2024 04:59	WG2221289
cis-1,3-Dichloropropene	U		0.000947	0.00313	1	02/08/2024 04:59	WG2221289
trans-1,3-Dichloropropene	U		0.00143	0.00626	1	02/08/2024 04:59	WG2221289
2,2-Dichloropropane	U		0.00173	0.00313	1	02/08/2024 04:59	WG2221289
Di-isopropyl ether	U	C3	0.000513	0.00125	1	02/08/2024 04:59	WG2221289
Ethylbenzene	U		0.000922	0.00313	1	02/08/2024 04:59	WG2221289
Hexachloro-1,3-butadiene	U	C3 J3	0.00751	0.0313	1	02/08/2024 04:59	WG2221289
Isopropylbenzene	U		0.000532	0.00313	1	02/08/2024 04:59	WG2221289
p-Isopropyltoluene	U		0.00319	0.00626	1	02/08/2024 04:59	WG2221289
2-Butanone (MEK)	U		0.0794	0.125	1	02/08/2024 04:59	WG2221289
Methylene Chloride	0.0173	B J	0.00831	0.0313	1	02/08/2024 04:59	WG2221289

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

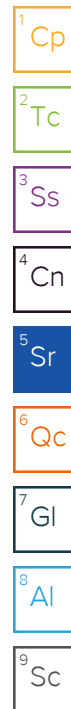
7Gl

8Al

9Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	U		0.00285	0.0313	1	02/08/2024 04:59	WG2221289
Methyl tert-butyl ether	U		0.000438	0.00125	1	02/08/2024 04:59	WG2221289
Naphthalene	U	C3	0.00611	0.0156	1	02/08/2024 04:59	WG2221289
n-Propylbenzene	U		0.00119	0.00626	1	02/08/2024 04:59	WG2221289
Styrene	U		0.000286	0.0156	1	02/08/2024 04:59	WG2221289
1,1,1,2-Tetrachloroethane	U		0.00119	0.00313	1	02/08/2024 04:59	WG2221289
1,1,2,2-Tetrachloroethane	U		0.000869	0.00313	1	02/08/2024 04:59	WG2221289
1,1,2-Trichlorotrifluoroethane	U		0.000943	0.00313	1	02/08/2024 04:59	WG2221289
Tetrachloroethene	U		0.00112	0.00313	1	02/08/2024 04:59	WG2221289
Toluene	U		0.00163	0.00626	1	02/08/2024 04:59	WG2221289
1,2,3-Trichlorobenzene	U	C3 J3	0.00917	0.0156	1	02/08/2024 04:59	WG2221289
1,2,4-Trichlorobenzene	U	C3 J3	0.00550	0.0156	1	02/08/2024 04:59	WG2221289
1,1,1-Trichloroethane	U		0.00115	0.00313	1	02/08/2024 04:59	WG2221289
1,1,2-Trichloroethane	U	J3	0.000747	0.00313	1	02/08/2024 04:59	WG2221289
Trichloroethene	U		0.000731	0.00125	1	02/08/2024 04:59	WG2221289
Trichlorofluoromethane	U		0.00103	0.00313	1	02/08/2024 04:59	WG2221289
1,2,3-Trichloropropane	U		0.00203	0.0156	1	02/08/2024 04:59	WG2221289
1,2,4-Trimethylbenzene	U		0.00198	0.00626	1	02/08/2024 04:59	WG2221289
1,2,3-Trimethylbenzene	U		0.00198	0.00626	1	02/08/2024 04:59	WG2221289
1,3,5-Trimethylbenzene	U		0.00250	0.00626	1	02/08/2024 04:59	WG2221289
Vinyl chloride	U	J3	0.00145	0.00313	1	02/08/2024 04:59	WG2221289
Xylenes, Total	U		0.00110	0.00813	1	02/08/2024 04:59	WG2221289
(S) Toluene-d8	104			75.0-131		02/08/2024 04:59	WG2221289
(S) 4-Bromofluorobenzene	101			67.0-138		02/08/2024 04:59	WG2221289
(S) 1,2-Dichloroethane-d4	113			70.0-130		02/08/2024 04:59	WG2221289



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.34	J	1.50	4.50	1	02/13/2024 10:45	WG2224396
Residual Range Organics (RRO)	U		3.74	11.2	1	02/13/2024 10:45	WG2224396
(S) o-Terphenyl	38.8			18.0-148		02/13/2024 10:45	WG2224396

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00259	0.00675	1	02/08/2024 03:33	WG2220596
Acenaphthene	0.0285		0.00235	0.00675	1	02/08/2024 03:33	WG2220596
Acenaphthylene	U		0.00243	0.00675	1	02/08/2024 03:33	WG2220596
Benzo(a)anthracene	U		0.00195	0.00675	1	02/08/2024 03:33	WG2220596
Benzo(a)pyrene	U		0.00201	0.00675	1	02/08/2024 03:33	WG2220596
Benzo(b)fluoranthene	U		0.00172	0.00675	1	02/08/2024 03:33	WG2220596
Benzo(g,h,i)perylene	U		0.00199	0.00675	1	02/08/2024 03:33	WG2220596
Benzo(k)fluoranthene	U		0.00242	0.00675	1	02/08/2024 03:33	WG2220596
Chrysene	U		0.00261	0.00675	1	02/08/2024 03:33	WG2220596
Dibenz(a,h)anthracene	U		0.00193	0.00675	1	02/08/2024 03:33	WG2220596
Fluoranthene	0.00308	J	0.00255	0.00675	1	02/08/2024 03:33	WG2220596
Fluorene	0.0507		0.00231	0.00675	1	02/08/2024 03:33	WG2220596
Indeno(1,2,3-cd)pyrene	U		0.00204	0.00675	1	02/08/2024 03:33	WG2220596
Naphthalene	0.0129	J	0.00459	0.0225	1	02/08/2024 03:33	WG2220596
Phenanthrene	0.120		0.00260	0.00675	1	02/08/2024 03:33	WG2220596
Pyrene	0.00349	J	0.00225	0.00675	1	02/08/2024 03:33	WG2220596
1-Methylnaphthalene	0.220		0.00505	0.0225	1	02/08/2024 03:33	WG2220596
2-Methylnaphthalene	0.105		0.00480	0.0225	1	02/08/2024 03:33	WG2220596
2-Chloronaphthalene	U		0.00524	0.0225	1	02/08/2024 03:33	WG2220596

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	88.3			23.0-120		02/08/2024 03:33	WG2220596
(S) Nitrobenzene-d5	94.5			14.0-149		02/08/2024 03:33	WG2220596
(S) 2-Fluorobiphenyl	71.4			34.0-125		02/08/2024 03:33	WG2220596

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030635-1 02/06/24 11:31

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1701885-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1701885-02 02/06/24 11:31 • (DUP) R4030635-3 02/06/24 11:31

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	80.7	73.8	1	8.89		10

Laboratory Control Sample (LCS)

(LCS) R4030635-2 02/06/24 11:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030632-1 02/06/24 11:09

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L1701885-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1701885-26 02/06/24 11:09 • (DUP) R4030632-3 02/06/24 11:09

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.0	88.0	1	2.30		10

Laboratory Control Sample (LCS)

(LCS) R4030632-2 02/06/24 11:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030037-1 02/05/24 17:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R4030037-2 02/05/24 17:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	97.9	97.9	80.0-120	

L1701798-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701798-02 02/05/24 17:33 • (MS) R4030037-5 02/05/24 17:42 • (MSD) R4030037-6 02/05/24 17:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	425	61.3	479	467	98.5	95.7	5	75.0-125			2.53	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029669-1 02/04/24 20:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R4029669-2 02/04/24 20:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	103	103	80.0-120	

L1701636-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701636-06 02/04/24 20:47 • (MS) R4029669-5 02/04/24 20:57 • (MSD) R4029669-6 02/04/24 21:00

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 %
Lead	100	13.1	106	110	93.2	96.9	5	75.0-125			3.34	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4030047-1 02/05/24 19:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4030047-2 02/05/24 19:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	49.4	98.8	80.0-120	

L1701885-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701885-33 02/05/24 19:34 • (MS) R4030047-4 02/05/24 19:40 • (MSD) R4030047-5 02/05/24 19:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	U	48.1	47.5	96.1	95.1	1	75.0-125			1.09	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4031022-1 02/07/24 15:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Lead	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4031022-2 02/07/24 15:50

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Lead	50.0	50.1	100	80.0-120	

L1701767-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701767-01 02/07/24 15:53 • (MS) R4031022-4 02/07/24 16:00 • (MSD) R4031022-5 02/07/24 16:03

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	50.0	1.83	51.7	51.8	99.8	100	1	75.0-125			0.199	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4030940-2 02/06/24 15:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.99	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4030940-1 02/06/24 13:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.19	94.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			101	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) R4030960-2 02/06/24 23:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	91.2			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4030960-1 02/06/24 22:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.41	98.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			97.9	77.0-120	

L1701885-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701885-12 02/07/24 05:49 • (MS) R4030960-3 02/07/24 08:42 • (MSD) R4030960-4 02/07/24 09:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	219	128	322	311	88.5	83.5	25	50.0-150			3.47	27
(S) a,a,a-Trifluorotoluene(FID)					97.8	97.8		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4031412-4 02/08/24 03:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.874	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	93.9			77.0-120

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

(LCS) R4031412-2 02/08/24 01:38 • (LCSD) R4031412-3 02/08/24 02:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.79	5.45	105	99.1	71.0-124			6.05	20
(S) a,a,a-Trifluorotoluene(FID)				104	103	77.0-120				

L1700815-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-03 02/08/24 10:09 • (MS) R4031412-5 02/08/24 16:42 • (MSD) R4031412-6 02/08/24 17:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	273	2.29	280	290	102	105	29	50.0-150			3.59	27
(S) a,a,a-Trifluorotoluene(FID)					105	106		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4031857-2 02/08/24 11:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	42.5	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4031857-1 02/08/24 09:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5130	93.3	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			113	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030385-3 02/04/24 12:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030385-3 02/04/24 12:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	111			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4030385-1 02/04/24 11:37 • (LCSD) R4030385-2 02/04/24 11:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	21.4	21.5	85.6	86.0	19.0-160			0.466	27
Acrolein	25.0	21.0	21.2	84.0	84.8	10.0-160			0.948	26
Acrylonitrile	25.0	14.9	22.3	59.6	89.2	55.0-149		J3	39.8	20
Benzene	5.00	4.80	4.92	96.0	98.4	70.0-123			2.47	20

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

(LCS) R4030385-1 02/04/24 11:37 • (LCSD) R4030385-2 02/04/24 11:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	5.00	4.68	4.99	93.6	99.8	73.0-121			6.41	20
Bromodichloromethane	5.00	4.81	5.04	96.2	101	75.0-120			4.67	20
Bromoform	5.00	4.15	4.16	83.0	83.2	68.0-132			0.241	20
Bromomethane	5.00	3.38	3.35	67.6	67.0	10.0-160			0.892	25
n-Butylbenzene	5.00	4.67	4.60	93.4	92.0	73.0-125			1.51	20
sec-Butylbenzene	5.00	4.62	5.02	92.4	100	75.0-125			8.30	20
tert-Butylbenzene	5.00	5.04	4.96	101	99.2	76.0-124			1.60	20
Carbon tetrachloride	5.00	4.54	4.69	90.8	93.8	68.0-126			3.25	20
Chlorobenzene	5.00	4.79	5.02	95.8	100	80.0-121			4.69	20
Chlorodibromomethane	5.00	4.21	4.48	84.2	89.6	77.0-125			6.21	20
Chloroethane	5.00	4.47	4.41	89.4	88.2	47.0-150			1.35	20
Chloroform	5.00	4.88	4.94	97.6	98.8	73.0-120			1.22	20
Chloromethane	5.00	3.93	4.08	78.6	81.6	41.0-142			3.75	20
2-Chlorotoluene	5.00	4.92	5.13	98.4	103	76.0-123			4.18	20
4-Chlorotoluene	5.00	4.53	4.76	90.6	95.2	75.0-122			4.95	20
1,2-Dibromo-3-Chloropropane	5.00	4.21	4.04	84.2	80.8	58.0-134			4.12	20
1,2-Dibromoethane	5.00	3.91	4.51	78.2	90.2	80.0-122	J4		14.3	20
Dibromomethane	5.00	4.57	4.96	91.4	99.2	80.0-120			8.18	20
1,2-Dichlorobenzene	5.00	4.40	4.76	88.0	95.2	79.0-121			7.86	20
1,3-Dichlorobenzene	5.00	4.45	4.69	89.0	93.8	79.0-120			5.25	20
1,4-Dichlorobenzene	5.00	4.28	4.62	85.6	92.4	79.0-120			7.64	20
Dichlorodifluoromethane	5.00	3.56	3.67	71.2	73.4	51.0-149			3.04	20
1,1-Dichloroethane	5.00	4.71	5.05	94.2	101	70.0-126			6.97	20
1,2-Dichloroethane	5.00	4.90	4.97	98.0	99.4	70.0-128			1.42	20
1,1-Dichloroethene	5.00	4.20	4.34	84.0	86.8	71.0-124			3.28	20
cis-1,2-Dichloroethene	5.00	4.64	4.83	92.8	96.6	73.0-120			4.01	20
trans-1,2-Dichloroethene	5.00	4.65	4.50	93.0	90.0	73.0-120			3.28	20
1,2-Dichloropropane	5.00	4.79	5.00	95.8	100	77.0-125			4.29	20
1,1-Dichloropropene	5.00	4.67	4.92	93.4	98.4	74.0-126			5.21	20
1,3-Dichloropropane	5.00	4.90	4.93	98.0	98.6	80.0-120			0.610	20
cis-1,3-Dichloropropene	5.00	4.56	4.64	91.2	92.8	80.0-123			1.74	20
trans-1,3-Dichloropropene	5.00	4.15	4.44	83.0	88.8	78.0-124			6.75	20
2,2-Dichloropropane	5.00	4.77	4.85	95.4	97.0	58.0-130			1.66	20
Di-isopropyl ether	5.00	5.11	5.26	102	105	58.0-138			2.89	20
Ethylbenzene	5.00	4.62	4.70	92.4	94.0	79.0-123			1.72	20
Hexachloro-1,3-butadiene	5.00	5.23	4.93	105	98.6	54.0-138			5.91	20
Isopropylbenzene	5.00	4.61	4.88	92.2	97.6	76.0-127			5.69	20
p-Isopropyltoluene	5.00	5.01	5.15	100	103	76.0-125			2.76	20
2-Butanone (MEK)	25.0	17.1	25.0	68.4	100	44.0-160		J3	37.5	20
Methylene Chloride	5.00	4.17	4.39	83.4	87.8	67.0-120			5.14	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4030385-1 02/04/24 11:37 • (LCSD) R4030385-2 02/04/24 11:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	25.5	26.0	102	104	68.0-142			1.94	20
Methyl tert-butyl ether	5.00	4.93	5.20	98.6	104	68.0-125			5.33	20
Naphthalene	5.00	4.32	4.09	86.4	81.8	54.0-135			5.47	20
n-Propylbenzene	5.00	4.75	4.87	95.0	97.4	77.0-124			2.49	20
Styrene	5.00	3.67	3.99	73.4	79.8	73.0-130			8.36	20
1,1,1,2-Tetrachloroethane	5.00	4.95	4.99	99.0	99.8	75.0-125			0.805	20
1,1,2,2-Tetrachloroethane	5.00	4.95	4.97	99.0	99.4	65.0-130			0.403	20
1,1,2-Trichlorotrifluoroethane	5.00	4.22	4.33	84.4	86.6	69.0-132			2.57	20
Tetrachloroethene	5.00	4.24	4.52	84.8	90.4	72.0-132			6.39	20
Toluene	5.00	4.46	4.68	89.2	93.6	79.0-120			4.81	20
1,2,3-Trichlorobenzene	5.00	4.40	4.38	88.0	87.6	50.0-138			0.456	20
1,2,4-Trichlorobenzene	5.00	4.00	4.29	80.0	85.8	57.0-137			7.00	20
1,1,1-Trichloroethane	5.00	4.74	4.96	94.8	99.2	73.0-124			4.54	20
1,1,2-Trichloroethane	5.00	4.55	4.80	91.0	96.0	80.0-120			5.35	20
Trichloroethene	5.00	4.62	4.90	92.4	98.0	78.0-124			5.88	20
Trichlorofluoromethane	5.00	4.13	4.16	82.6	83.2	59.0-147			0.724	20
1,2,3-Trichloropropane	5.00	4.78	5.27	95.6	105	73.0-130			9.75	20
1,2,4-Trimethylbenzene	5.00	5.00	5.12	100	102	76.0-121			2.37	20
1,2,3-Trimethylbenzene	5.00	4.90	4.99	98.0	99.8	77.0-120			1.82	20
1,3,5-Trimethylbenzene	5.00	4.81	5.11	96.2	102	76.0-122			6.05	20
Vinyl chloride	5.00	4.10	4.24	82.0	84.8	67.0-131			3.36	20
Xylenes, Total	15.0	13.6	14.2	90.7	94.7	79.0-123			4.32	20
(S) Toluene-d8				106	106	80.0-120				
(S) 4-Bromofluorobenzene				98.6	99.4	77.0-126				
(S) 1,2-Dichloroethane-d4				112	113	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030697-3 02/06/24 23:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030697-3 02/06/24 23:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	108			80.0-120
(S) 4-Bromofluorobenzene	109			77.0-126
(S) 1,2-Dichloroethane-d4	119			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4030697-1 02/06/24 22:08 • (LCSD) R4030697-2 02/06/24 22:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	22.0	25.3	88.0	101	19.0-160			14.0	27
Acrolein	25.0	22.5	22.6	90.0	90.4	10.0-160			0.443	26
Acrylonitrile	25.0	30.0	32.5	120	130	55.0-149			8.00	20
Benzene	5.00	5.02	5.23	100	105	70.0-123			4.10	20

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

(LCS) R4030697-1 02/06/24 22:08 • (LCSD) R4030697-2 02/06/24 22:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	5.00	4.11	4.41	82.2	88.2	73.0-121			7.04	20
Bromodichloromethane	5.00	4.85	4.95	97.0	99.0	75.0-120			2.04	20
Bromoform	5.00	3.71	3.89	74.2	77.8	68.0-132			4.74	20
Bromomethane	5.00	3.74	3.92	74.8	78.4	10.0-160			4.70	25
n-Butylbenzene	5.00	3.91	3.99	78.2	79.8	73.0-125			2.03	20
sec-Butylbenzene	5.00	3.92	4.24	78.4	84.8	75.0-125			7.84	20
tert-Butylbenzene	5.00	4.10	4.33	82.0	86.6	76.0-124			5.46	20
Carbon tetrachloride	5.00	5.02	5.22	100	104	68.0-126			3.91	20
Chlorobenzene	5.00	4.44	4.58	88.8	91.6	80.0-121			3.10	20
Chlorodibromomethane	5.00	4.18	4.24	83.6	84.8	77.0-125			1.43	20
Chloroethane	5.00	5.15	5.50	103	110	47.0-150			6.57	20
Chloroform	5.00	5.06	5.36	101	107	73.0-120			5.76	20
Chloromethane	5.00	5.32	5.42	106	108	41.0-142			1.86	20
2-Chlorotoluene	5.00	4.04	4.23	80.8	84.6	76.0-123			4.59	20
4-Chlorotoluene	5.00	3.93	4.17	78.6	83.4	75.0-122			5.93	20
1,2-Dibromo-3-Chloropropane	5.00	3.27	3.62	65.4	72.4	58.0-134			10.2	20
1,2-Dibromoethane	5.00	4.12	4.23	82.4	84.6	80.0-122			2.63	20
Dibromomethane	5.00	4.61	4.81	92.2	96.2	80.0-120			4.25	20
1,2-Dichlorobenzene	5.00	4.18	4.59	83.6	91.8	79.0-121			9.35	20
1,3-Dichlorobenzene	5.00	4.20	4.46	84.0	89.2	79.0-120			6.00	20
1,4-Dichlorobenzene	5.00	4.38	4.40	87.6	88.0	79.0-120			0.456	20
Dichlorodifluoromethane	5.00	5.20	5.14	104	103	51.0-149			1.16	20
1,1-Dichloroethane	5.00	5.30	5.77	106	115	70.0-126			8.49	20
1,2-Dichloroethane	5.00	5.55	5.76	111	115	70.0-128			3.71	20
1,1-Dichloroethene	5.00	4.63	4.83	92.6	96.6	71.0-124			4.23	20
cis-1,2-Dichloroethene	5.00	5.00	5.00	100	100	73.0-120			0.000	20
trans-1,2-Dichloroethene	5.00	4.73	5.07	94.6	101	73.0-120			6.94	20
1,2-Dichloropropane	5.00	5.56	5.59	111	112	77.0-125			0.538	20
1,1-Dichloropropene	5.00	5.11	5.28	102	106	74.0-126			3.27	20
1,3-Dichloropropane	5.00	4.59	4.72	91.8	94.4	80.0-120			2.79	20
cis-1,3-Dichloropropene	5.00	4.63	4.82	92.6	96.4	80.0-123			4.02	20
trans-1,3-Dichloropropene	5.00	4.14	4.40	82.8	88.0	78.0-124			6.09	20
2,2-Dichloropropane	5.00	4.59	4.94	91.8	98.8	58.0-130			7.35	20
Di-isopropyl ether	5.00	6.19	6.54	124	131	58.0-138			5.50	20
Ethylbenzene	5.00	4.31	4.58	86.2	91.6	79.0-123			6.07	20
Hexachloro-1,3-butadiene	5.00	4.34	4.30	86.8	86.0	54.0-138			0.926	20
Isopropylbenzene	5.00	4.46	4.57	89.2	91.4	76.0-127			2.44	20
p-Isopropyltoluene	5.00	4.08	4.22	81.6	84.4	76.0-125			3.37	20
2-Butanone (MEK)	25.0	24.5	26.8	98.0	107	44.0-160			8.97	20
Methylene Chloride	5.00	5.44	5.57	109	111	67.0-120			2.36	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4030697-1 02/06/24 22:08 • (LCSD) R4030697-2 02/06/24 22:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	28.2	29.8	113	119	68.0-142			5.52	20
Methyl tert-butyl ether	5.00	5.06	5.24	101	105	68.0-125			3.50	20
Naphthalene	5.00	3.06	3.41	61.2	68.2	54.0-135			10.8	20
n-Propylbenzene	5.00	3.99	4.14	79.8	82.8	77.0-124			3.69	20
Styrene	5.00	4.00	4.25	80.0	85.0	73.0-130			6.06	20
1,1,1,2-Tetrachloroethane	5.00	4.25	4.39	85.0	87.8	75.0-125			3.24	20
1,1,2,2-Tetrachloroethane	5.00	3.93	3.91	78.6	78.2	65.0-130			0.510	20
1,1,2-Trichlorotrifluoroethane	5.00	4.95	4.95	99.0	99.0	69.0-132			0.000	20
Tetrachloroethene	5.00	4.79	4.95	95.8	99.0	72.0-132			3.29	20
Toluene	5.00	4.60	4.66	92.0	93.2	79.0-120			1.30	20
1,2,3-Trichlorobenzene	5.00	3.81	4.04	76.2	80.8	50.0-138			5.86	20
1,2,4-Trichlorobenzene	5.00	3.67	4.02	73.4	80.4	57.0-137			9.10	20
1,1,1-Trichloroethane	5.00	4.93	5.19	98.6	104	73.0-124			5.14	20
1,1,2-Trichloroethane	5.00	4.44	4.47	88.8	89.4	80.0-120			0.673	20
Trichloroethene	5.00	5.15	5.78	103	116	78.0-124			11.5	20
Trichlorofluoromethane	5.00	5.19	5.32	104	106	59.0-147			2.47	20
1,2,3-Trichloropropane	5.00	4.04	4.23	80.8	84.6	73.0-130			4.59	20
1,2,4-Trimethylbenzene	5.00	3.97	4.14	79.4	82.8	76.0-121			4.19	20
1,2,3-Trimethylbenzene	5.00	3.88	4.09	77.6	81.8	77.0-120			5.27	20
1,3,5-Trimethylbenzene	5.00	4.10	4.24	82.0	84.8	76.0-122			3.36	20
Vinyl chloride	5.00	5.86	6.10	117	122	67.0-131			4.01	20
Xylenes, Total	15.0	13.0	13.6	86.7	90.7	79.0-123			4.51	20
(S) Toluene-d8				103	104	80.0-120				
(S) 4-Bromofluorobenzene				105	105	77.0-126				
(S) 1,2-Dichloroethane-d4				120	120	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032581-3 02/07/24 22:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	0.00128	U	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4032581-3 02/07/24 22:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	0.0111	U	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	100			75.0-131
(S) 4-Bromofluorobenzene	97.8			67.0-138
(S) 1,2-Dichloroethane-d4	115			70.0-130

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

(LCS) R4032581-1 02/07/24 20:48 • (LCSD) R4032581-2 02/07/24 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.327	0.671	52.3	107	10.0-160		J3	68.9	31
Acrylonitrile	0.625	0.500	0.609	80.0	97.4	45.0-153			19.7	22
Benzene	0.125	0.127	0.131	102	105	70.0-123			3.10	20
Bromobenzene	0.125	0.124	0.127	99.2	102	73.0-121			2.39	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4032581-1 02/07/24 20:48 • (LCSD) R4032581-2 02/07/24 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	0.125	0.126	0.131	101	105	73.0-121			3.89	20
Bromoform	0.125	0.116	0.129	92.8	103	64.0-132			10.6	20
Bromomethane	0.125	0.136	0.164	109	131	56.0-147			18.7	20
n-Butylbenzene	0.125	0.100	0.102	80.0	81.6	68.0-135			1.98	20
sec-Butylbenzene	0.125	0.109	0.110	87.2	88.0	74.0-130			0.913	20
tert-Butylbenzene	0.125	0.115	0.111	92.0	88.8	75.0-127			3.54	20
Carbon disulfide	0.125	0.114	0.121	91.2	96.8	56.0-133			5.96	20
Carbon tetrachloride	0.125	0.152	0.148	122	118	66.0-128			2.67	20
Chlorobenzene	0.125	0.130	0.135	104	108	76.0-128			3.77	20
Chlorodibromomethane	0.125	0.134	0.147	107	118	74.0-127			9.25	20
Chloroethane	0.125	0.133	0.162	106	130	61.0-134			19.7	20
Chloroform	0.125	0.117	0.126	93.6	101	72.0-123			7.41	20
Chloromethane	0.125	0.123	0.175	98.4	140	51.0-138		J3 J4	34.9	20
2-Chlorotoluene	0.125	0.120	0.117	96.0	93.6	75.0-124			2.53	20
4-Chlorotoluene	0.125	0.125	0.119	100	95.2	75.0-124			4.92	20
1,2-Dibromo-3-Chloropropane	0.125	0.103	0.109	82.4	87.2	59.0-130			5.66	20
1,2-Dibromoethane	0.125	0.133	0.145	106	116	74.0-128			8.63	20
Dibromomethane	0.125	0.131	0.141	105	113	75.0-122			7.35	20
1,2-Dichlorobenzene	0.125	0.123	0.131	98.4	105	76.0-124			6.30	20
1,3-Dichlorobenzene	0.125	0.119	0.125	95.2	100	76.0-125			4.92	20
1,4-Dichlorobenzene	0.125	0.125	0.134	100	107	77.0-121			6.95	20
Dichlorodifluoromethane	0.125	0.164	0.191	131	153	43.0-156			15.2	20
1,1-Dichloroethane	0.125	0.117	0.125	93.6	100	70.0-127			6.61	20
1,2-Dichloroethane	0.125	0.140	0.143	112	114	65.0-131			2.12	20
1,1-Dichloroethene	0.125	0.115	0.125	92.0	100	65.0-131			8.33	20
cis-1,2-Dichloroethene	0.125	0.116	0.122	92.8	97.6	73.0-125			5.04	20
trans-1,2-Dichloroethene	0.125	0.117	0.123	93.6	98.4	71.0-125			5.00	20
1,2-Dichloropropane	0.125	0.122	0.126	97.6	101	74.0-125			3.23	20
1,1-Dichloropropene	0.125	0.137	0.136	110	109	73.0-125			0.733	20
1,3-Dichloropropane	0.125	0.136	0.140	109	112	80.0-125			2.90	20
cis-1,3-Dichloropropene	0.125	0.117	0.122	93.6	97.6	76.0-127			4.18	20
trans-1,3-Dichloropropene	0.125	0.131	0.138	105	110	73.0-127			5.20	20
2,2-Dichloropropane	0.125	0.142	0.139	114	111	59.0-135			2.14	20
Di-isopropyl ether	0.125	0.0970	0.107	77.6	85.6	60.0-136			9.80	20
Ethylbenzene	0.125	0.124	0.133	99.2	106	74.0-126			7.00	20
Hexachloro-1,3-butadiene	0.125	0.0920	0.119	73.6	95.2	57.0-150		J3	25.6	20
Isopropylbenzene	0.125	0.116	0.121	92.8	96.8	72.0-127			4.22	20
p-Isopropyltoluene	0.125	0.108	0.110	86.4	88.0	72.0-133			1.83	20
2-Butanone (MEK)	0.625	0.533	0.668	85.3	107	30.0-160			22.5	24
Methylene Chloride	0.125	0.124	0.125	99.2	100	68.0-123			0.803	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4032581-1 02/07/24 20:48 • (LCSD) R4032581-2 02/07/24 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.625	0.606	0.656	97.0	105	56.0-143			7.92	20
Methyl tert-butyl ether	0.125	0.114	0.125	91.2	100	66.0-132			9.21	20
Naphthalene	0.125	0.0766	0.0888	61.3	71.0	59.0-130			14.8	20
n-Propylbenzene	0.125	0.117	0.114	93.6	91.2	74.0-126			2.60	20
Styrene	0.125	0.109	0.108	87.2	86.4	72.0-127			0.922	20
1,1,1,2-Tetrachloroethane	0.125	0.133	0.135	106	108	74.0-129			1.49	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.102	88.0	81.6	68.0-128			7.55	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.141	101	113	61.0-139			11.2	20
Tetrachloroethene	0.125	0.125	0.133	100	106	70.0-136			6.20	20
Toluene	0.125	0.129	0.126	103	101	75.0-121			2.35	20
1,2,3-Trichlorobenzene	0.125	0.0750	0.100	60.0	80.0	59.0-139		J3	28.6	20
1,2,4-Trichlorobenzene	0.125	0.0822	0.101	65.8	80.8	62.0-137		J3	20.5	20
1,1,1-Trichloroethane	0.125	0.139	0.139	111	111	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.101	0.129	80.8	103	78.0-123		J3	24.3	20
Trichloroethene	0.125	0.145	0.152	116	122	76.0-126			4.71	20
Trichlorofluoromethane	0.125	0.132	0.144	106	115	61.0-142			8.70	20
1,2,3-Trichloropropane	0.125	0.134	0.136	107	109	67.0-129			1.48	20
1,2,4-Trimethylbenzene	0.125	0.104	0.103	83.2	82.4	70.0-126			0.966	20
1,2,3-Trimethylbenzene	0.125	0.111	0.112	88.8	89.6	74.0-124			0.897	20
1,3,5-Trimethylbenzene	0.125	0.109	0.107	87.2	85.6	73.0-127			1.85	20
Vinyl chloride	0.125	0.130	0.159	104	127	63.0-134		J3	20.1	20
Xylenes, Total	0.375	0.358	0.391	95.5	104	72.0-127			8.81	20
(S) Toluene-d8				105	102	75.0-131				
(S) 4-Bromofluorobenzene				98.6	102	67.0-138				
(S) 1,2-Dichloroethane-d4				116	114	70.0-130				

L1701809-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701809-01 02/07/24 23:19 • (MS) R4032581-4 02/08/24 05:56 • (MSD) R4032581-5 02/08/24 06:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.19	U	0.722	0.597	60.7	50.2	1.41	10.0-160			19.0	40
Acrylonitrile	1.19	U	0.856	0.773	71.9	65.0	1.41	10.0-160			10.1	40
Benzene	0.238	U	0.172	0.168	72.3	70.6	1.41	10.0-149			2.37	37
Bromobenzene	0.238	U	0.214	0.213	89.8	89.3	1.41	10.0-156			0.631	38
Bromodichloromethane	0.238	U	0.209	0.197	87.6	82.5	1.41	10.0-143			5.98	37
Bromoform	0.238	U	0.183	0.194	76.8	81.4	1.41	10.0-146			5.71	36
Bromomethane	0.238	U	0.154	0.146	64.4	61.0	1.41	10.0-149			5.41	38
n-Butylbenzene	0.238	U	0.193	0.171	80.8	71.8	1.41	10.0-160			11.9	40

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1701809-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701809-01 02/07/24 23:19 • (MS) R4032581-4 02/08/24 05:56 • (MSD) R4032581-5 02/08/24 06:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.238	U	0.199	0.191	83.6	80.2	1.41	10.0-159			4.14	39
tert-Butylbenzene	0.238	U	0.206	0.194	86.4	81.4	1.41	10.0-156			6.06	39
Carbon disulfide	0.238	0.00333	0.0496	0.0501	19.4	19.6	1.41	10.0-145			1.08	39
Carbon tetrachloride	0.238	U	0.222	0.218	93.2	91.5	1.41	10.0-145			1.83	37
Chlorobenzene	0.238	U	0.201	0.201	84.2	84.2	1.41	10.0-152			0.000	39
Chlorodibromomethane	0.238	U	0.228	0.221	95.5	92.7	1.41	10.0-146			3.00	37
Chloroethane	0.238	U	0.187	0.171	78.5	71.8	1.41	10.0-146			9.02	40
Chloroform	0.238	U	0.201	0.205	84.2	85.9	1.41	10.0-146			1.99	37
Chloromethane	0.238	U	0.122	0.0986	51.0	41.4	1.41	10.0-159			20.8	37
2-Chlorotoluene	0.238	U	0.209	0.190	87.6	79.7	1.41	10.0-159			9.46	38
4-Chlorotoluene	0.238	U	0.195	0.190	81.9	79.7	1.41	10.0-155			2.80	39
1,2-Dibromo-3-Chloropropane	0.238	U	0.154	0.174	64.4	72.9	1.41	10.0-151			12.3	39
1,2-Dibromoethane	0.238	U	0.203	0.199	85.3	83.6	1.41	10.0-148			2.01	34
Dibromomethane	0.238	U	0.189	0.191	79.1	80.2	1.41	10.0-147			1.42	35
1,2-Dichlorobenzene	0.238	U	0.214	0.216	89.8	90.4	1.41	10.0-155			0.627	37
1,3-Dichlorobenzene	0.238	U	0.209	0.202	87.6	84.7	1.41	10.0-153			3.28	38
1,4-Dichlorobenzene	0.238	U	0.218	0.221	91.5	92.7	1.41	10.0-151			1.23	38
Dichlorodifluoromethane	0.238	U	0.137	0.122	57.6	51.4	1.41	10.0-160			11.5	35
1,1-Dichloroethane	0.238	U	0.175	0.183	73.4	76.8	1.41	10.0-147			4.51	37
1,2-Dichloroethane	0.238	U	0.210	0.217	88.1	91.0	1.41	10.0-148			3.15	35
1,1-Dichloroethene	0.238	U	0.143	0.137	59.9	57.6	1.41	10.0-155			3.85	37
cis-1,2-Dichloroethene	0.238	U	0.174	0.177	72.9	74.0	1.41	10.0-149			1.54	37
trans-1,2-Dichloroethene	0.238	U	0.129	0.124	54.0	52.1	1.41	10.0-150			3.41	37
1,2-Dichloropropane	0.238	U	0.181	0.178	75.7	74.6	1.41	10.0-148			1.50	37
1,1-Dichloropropene	0.238	U	0.159	0.168	66.7	70.6	1.41	10.0-153			5.76	35
1,3-Dichloropropane	0.238	U	0.226	0.218	94.9	91.5	1.41	10.0-154			3.64	35
cis-1,3-Dichloropropene	0.238	U	0.178	0.170	74.6	71.2	1.41	10.0-151			4.65	37
trans-1,3-Dichloropropene	0.238	U	0.193	0.201	80.8	84.2	1.41	10.0-148			4.11	37
2,2-Dichloropropane	0.238	U	0.151	0.156	63.3	65.5	1.41	10.0-138			3.51	36
Di-isopropyl ether	0.238	U	0.163	0.162	68.4	67.8	1.41	10.0-147			0.830	36
Ethylbenzene	0.238	U	0.198	0.201	83.1	84.2	1.41	10.0-160			1.35	38
Hexachloro-1,3-butadiene	0.238	U	0.226	0.238	94.9	100	1.41	10.0-160			5.22	40
Isopropylbenzene	0.238	U	0.199	0.189	83.6	79.1	1.41	10.0-155			5.56	38
p-Isopropyltoluene	0.238	U	0.199	0.189	83.6	79.1	1.41	10.0-160			5.56	40
2-Butanone (MEK)	1.19	U	0.722	0.786	60.7	66.0	1.41	10.0-160			8.40	40
Methylene Chloride	0.238	0.0147	0.182	0.182	70.1	70.1	1.41	10.0-141			0.000	37
4-Methyl-2-pentanone (MIBK)	1.19	U	0.909	1.01	76.4	84.7	1.41	10.0-160			10.3	35
Methyl tert-butyl ether	0.238	U	0.193	0.195	80.8	81.9	1.41	11.0-147			1.39	35
Naphthalene	0.238	U	0.136	0.160	57.1	67.2	1.41	10.0-160			16.4	36

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1701809-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701809-01 02/07/24 23:19 • (MS) R4032581-4 02/08/24 05:56 • (MSD) R4032581-5 02/08/24 06:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Propylbenzene	0.238	U	0.198	0.191	83.1	80.2	1.41	10.0-158			3.46	38
Styrene	0.238	U	0.177	0.178	74.0	74.6	1.41	10.0-160			0.760	40
1,1,1,2-Tetrachloroethane	0.238	U	0.240	0.225	101	94.4	1.41	10.0-149			6.38	39
1,1,2,2-Tetrachloroethane	0.238	U	0.158	0.134	66.1	56.1	1.41	10.0-160			16.4	35
1,1,2-Trichlorotrifluoroethane	0.238	U	0.195	0.187	81.9	78.5	1.41	10.0-160			4.23	36
Tetrachloroethene	0.238	U	0.178	0.159	74.6	66.7	1.41	10.0-156			11.2	39
Toluene	0.238	U	0.175	0.177	73.4	74.0	1.41	10.0-156			0.766	38
1,2,3-Trichlorobenzene	0.238	U	0.156	0.178	65.5	74.6	1.41	10.0-160			12.9	40
1,2,4-Trichlorobenzene	0.238	U	0.172	0.189	72.3	79.1	1.41	10.0-160			8.96	40
1,1,1-Trichloroethane	0.238	U	0.216	0.221	90.4	92.7	1.41	10.0-144			2.47	35
1,1,2-Trichloroethane	0.238	U	0.159	0.167	66.7	70.1	1.41	10.0-160			4.96	35
Trichloroethene	0.238	U	0.238	0.240	100	101	1.41	10.0-156			0.563	38
Trichlorofluoromethane	0.238	U	0.187	0.174	78.5	72.9	1.41	10.0-160			7.46	40
1,2,3-Trichloropropane	0.238	U	0.230	0.232	96.6	97.2	1.41	10.0-156			0.583	35
1,2,4-Trimethylbenzene	0.238	U	0.185	0.172	77.4	72.3	1.41	10.0-160			6.79	36
1,2,3-Trimethylbenzene	0.238	U	0.191	0.186	80.2	78.0	1.41	10.0-160			2.86	36
1,3,5-Trimethylbenzene	0.238	U	0.186	0.175	78.0	73.4	1.41	10.0-160			5.97	38
Vinyl chloride	0.238	U	0.150	0.119	62.7	49.9	1.41	10.0-160			22.7	37
Xylenes, Total	0.714	U	0.558	0.554	78.1	77.5	1.41	10.0-160			0.727	38
(S) Toluene-d8					103	104		75.0-131				
(S) 4-Bromofluorobenzene					100	100		67.0-138				
(S) 1,2-Dichloroethane-d4					109	111		70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033121-2 02/13/24 10:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	47.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4033121-1 02/13/24 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	25.7	51.4	50.0-150	
(S) o-Terphenyl			44.7	18.0-148	

L1701885-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701885-15 02/13/24 14:37 • (MS) R4033264-2 02/13/24 15:05 • (MSD) R4033264-1 02/13/24 14:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	56.2	25.6	62.1	61.3	65.0	62.8	1	50.0-150			1.29	20
(S) o-Terphenyl					45.4	41.4		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standard for Hydraulic Oil and diesel

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4034075-1 02/13/24 22:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		33.3	100
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	71.5			31.0-160

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

(LCS) R4034075-2 02/13/24 22:32 • (LCSD) R4034075-3 02/13/24 22:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1220	1260	81.3	84.0	50.0-150			3.23	20
(S) o-Terphenyl				58.0	56.0	31.0-160				

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4033631-1 02/14/24 01:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	90.0			52.0-156

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

(LCS) R4033631-2 02/14/24 01:49 • (LCSD) R4033631-3 02/14/24 02:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1400	1450	93.3	96.7	50.0-150			3.51	20
(S) o-Terphenyl				98.5	95.5	52.0-156				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4032282-2 02/05/24 13:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
(S) Nitrobenzene-d5	112			31.0-160
(S) 2-Fluorobiphenyl	113			48.0-148
(S) p-Terphenyl-d14	114			37.0-146

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4032282-1 02/05/24 13:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	2.07	104	67.0-150	
Acenaphthene	2.00	2.13	106	65.0-138	
Acenaphthylene	2.00	2.22	111	66.0-140	
Benzo(a)anthracene	2.00	2.08	104	61.0-140	
Benzo(a)pyrene	2.00	2.11	105	60.0-143	
Benzo(b)fluoranthene	2.00	2.32	116	58.0-141	
Benzo(g,h,i)perylene	2.00	2.26	113	52.0-153	
Benzo(k)fluoranthene	2.00	2.18	109	58.0-148	
Chrysene	2.00	2.27	114	64.0-144	
Dibenz(a,h)anthracene	2.00	2.24	112	52.0-155	
Fluoranthene	2.00	2.27	114	69.0-153	

Laboratory Control Sample (LCS)

(LCS) R4032282-1 02/05/24 13:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	2.31	115	64.0-136	
Indeno(1,2,3-cd)pyrene	2.00	2.06	103	54.0-153	
Naphthalene	2.00	2.21	111	61.0-137	
Phenanthrene	2.00	2.28	114	62.0-137	
Pyrene	2.00	2.27	114	60.0-142	
1-Methylnaphthalene	2.00	2.31	115	66.0-142	
2-Methylnaphthalene	2.00	2.23	111	62.0-136	
2-Chloronaphthalene	2.00	2.30	115	64.0-140	
(S) Nitrobenzene-d5			117	31.0-160	
(S) 2-Fluorobiphenyl			116	48.0-148	
(S) p-Terphenyl-d14			112	37.0-146	

L1701900-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701900-04 02/05/24 13:51 • (MS) R4032282-3 02/05/24 14:09 • (MSD) R4032282-4 02/05/24 14:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	1.90	U	2.03	2.08	107	109	1	56.0-156			2.43	20
Acenaphthene	1.90	0.0237	2.02	1.98	105	103	1	44.0-153			2.00	20
Acenaphthylene	1.90	U	2.12	2.09	112	110	1	53.0-150			1.43	20
Benzo(a)anthracene	1.90	U	2.01	2.01	106	106	1	47.0-151			0.000	20
Benzo(a)pyrene	1.90	U	1.87	1.80	98.4	94.7	1	45.0-146			3.81	20
Benzo(b)fluoranthene	1.90	U	2.07	1.98	109	104	1	43.0-142			4.44	20
Benzo(g,h,i)perylene	1.90	U	1.94	1.82	102	95.8	1	40.0-147			6.38	20
Benzo(k)fluoranthene	1.90	U	1.90	1.87	100	98.4	1	43.0-148			1.59	21
Chrysene	1.90	U	2.11	2.05	111	108	1	50.0-148			2.88	20
Dibenz(a,h)anthracene	1.90	U	1.94	1.77	102	93.2	1	37.0-151			9.16	20
Fluoranthene	1.90	U	2.16	2.15	114	113	1	56.0-157			0.464	20
Fluorene	1.90	U	2.21	2.17	116	114	1	48.0-148			1.83	20
Indeno(1,2,3-cd)pyrene	1.90	U	1.73	1.63	91.1	85.8	1	41.0-148			5.95	20
Naphthalene	1.90	U	2.02	1.93	106	102	1	10.0-160			4.56	20
Phenanthrene	1.90	0.0292	2.20	2.15	114	112	1	47.0-147			2.30	20
Pyrene	1.90	U	2.19	2.13	115	112	1	51.0-148			2.78	20
1-Methylnaphthalene	1.90	U	2.10	2.00	111	105	1	21.0-160			4.88	20
2-Methylnaphthalene	1.90	U	2.04	1.96	107	103	1	31.0-160			4.00	20
2-Chloronaphthalene	1.90	U	2.23	2.17	117	114	1	52.0-148			2.73	20
(S) Nitrobenzene-d5					117	96.3		31.0-160				
(S) 2-Fluorobiphenyl					112	111		48.0-148				
(S) p-Terphenyl-d14					107	107		37.0-146				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032771-3 02/11/24 10:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
(S) Nitrobenzene-d5	89.5			31.0-160
(S) 2-Fluorobiphenyl	97.5			48.0-148
(S) p-Terphenyl-d14	96.5			37.0-146

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4032771-1 02/11/24 09:29 • (LCSD) R4032771-2 02/11/24 09:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	1.85	1.84	92.5	92.0	67.0-150			0.542	20
Acenaphthene	2.00	1.93	1.93	96.5	96.5	65.0-138			0.000	20
Acenaphthylene	2.00	1.94	1.93	97.0	96.5	66.0-140			0.517	20
Benzo(a)anthracene	2.00	2.00	1.97	100	98.5	61.0-140			1.51	20
Benzo(a)pyrene	2.00	1.82	1.83	91.0	91.5	60.0-143			0.548	20
Benzo(b)fluoranthene	2.00	1.84	1.84	92.0	92.0	58.0-141			0.000	20
Benzo(g,h,i)perylene	2.00	1.74	1.76	87.0	88.0	52.0-153			1.14	20
Benzo(k)fluoranthene	2.00	1.71	1.71	85.5	85.5	58.0-148			0.000	20
Chrysene	2.00	2.04	2.04	102	102	64.0-144			0.000	20
Dibenz(a,h)anthracene	2.00	1.87	1.87	93.5	93.5	52.0-155			0.000	20
Fluoranthene	2.00	1.97	1.95	98.5	97.5	69.0-153			1.02	20

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

(LCS) R4032771-1 02/11/24 09:29 • (LCSD) R4032771-2 02/11/24 09:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Fluorene	2.00	2.06	2.09	103	105	64.0-136			1.45	20
Indeno(1,2,3-cd)pyrene	2.00	1.96	1.94	98.0	97.0	54.0-153			1.03	20
Naphthalene	2.00	1.97	1.95	98.5	97.5	61.0-137			1.02	20
Phenanthrene	2.00	2.01	1.97	100	98.5	62.0-137			2.01	20
Pyrene	2.00	2.03	1.99	102	99.5	60.0-142			1.99	20
1-Methylnaphthalene	2.00	2.00	1.98	100	99.0	66.0-142			1.01	20
2-Methylnaphthalene	2.00	2.02	1.99	101	99.5	62.0-136			1.50	20
2-Chloronaphthalene	2.00	2.02	2.01	101	100	64.0-140			0.496	20
(S) Nitrobenzene-d5				94.5	91.5	31.0-160				
(S) 2-Fluorobiphenyl				102	100	48.0-148				
(S) p-Terphenyl-d14				99.0	96.5	37.0-146				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032245-2 02/07/24 23:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	90.9			23.0-120
(S) Nitrobenzene-d5	88.1			14.0-149
(S) 2-Fluorobiphenyl	78.1			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4032245-1 02/07/24 23:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0831	104	50.0-126	
Acenaphthene	0.0800	0.0709	88.6	50.0-120	
Acenaphthylene	0.0800	0.0883	110	50.0-120	
Benzo(a)anthracene	0.0800	0.0876	110	45.0-120	
Benzo(a)pyrene	0.0800	0.0710	88.8	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0806	101	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0782	97.8	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0809	101	49.0-125	
Chrysene	0.0800	0.0818	102	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0845	106	47.0-125	
Fluoranthene	0.0800	0.0806	101	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4032245-1 02/07/24 23:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0834	104	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0887	111	46.0-125	
Naphthalene	0.0800	0.0771	96.4	50.0-120	
Phenanthrene	0.0800	0.0809	101	47.0-120	
Pyrene	0.0800	0.0806	101	43.0-123	
1-Methylnaphthalene	0.0800	0.0869	109	51.0-121	
2-Methylnaphthalene	0.0800	0.0906	113	50.0-120	
2-Chloronaphthalene	0.0800	0.0701	87.6	50.0-120	
(S) p-Terphenyl-d14			93.8	23.0-120	
(S) Nitrobenzene-d5			98.4	14.0-149	
(S) 2-Fluorobiphenyl			83.2	34.0-125	

L1701865-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701865-12 02/08/24 01:34 • (MS) R4032245-3 02/08/24 01:54 • (MSD) R4032245-4 02/08/24 02:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.100	U	0.0927	0.0923	92.4	92.9	1	10.0-145			0.413	30
Acenaphthene	0.100	U	0.0794	0.0787	79.2	79.2	1	14.0-127			0.966	27
Acenaphthylene	0.100	U	0.0988	0.0973	98.5	97.9	1	21.0-124			1.56	25
Benzo(a)anthracene	0.100	U	0.0955	0.0942	95.2	94.9	1	10.0-139			1.34	30
Benzo(a)pyrene	0.100	U	0.0966	0.0963	96.3	96.9	1	10.0-141			0.396	31
Benzo(b)fluoranthene	0.100	U	0.0871	0.0862	86.8	86.8	1	10.0-140			1.03	36
Benzo(g,h,i)perylene	0.100	U	0.0859	0.0867	85.7	87.3	1	10.0-140			0.885	33
Benzo(k)fluoranthene	0.100	U	0.0867	0.0862	86.4	86.8	1	10.0-137			0.589	31
Chrysene	0.100	U	0.0921	0.0903	91.8	90.9	1	10.0-145			1.96	30
Dibenz(a,h)anthracene	0.100	U	0.0887	0.0885	88.5	89.1	1	10.0-132			0.287	31
Fluoranthene	0.100	U	0.0900	0.0887	89.7	89.4	1	10.0-153			1.42	33
Fluorene	0.100	U	0.0923	0.0924	92.0	93.1	1	11.0-130			0.138	29
Indeno(1,2,3-cd)pyrene	0.100	U	0.0961	0.0956	95.8	96.3	1	10.0-137			0.531	32
Naphthalene	0.100	U	0.0862	0.0843	85.9	84.9	1	10.0-135			2.24	27
Phenanthrene	0.100	U	0.0898	0.0894	89.5	90.0	1	10.0-144			0.426	31
Pyrene	0.100	U	0.0918	0.0905	91.5	91.2	1	10.0-148			1.40	35
1-Methylnaphthalene	0.100	U	0.0982	0.0965	97.8	97.2	1	10.0-142			1.70	28
2-Methylnaphthalene	0.100	U	0.102	0.0999	101	101	1	10.0-137			1.77	28
2-Chloronaphthalene	0.100	U	0.0791	0.0782	78.8	78.7	1	29.0-120			1.13	24
(S) p-Terphenyl-d14					82.7	81.8		23.0-120				
(S) Nitrobenzene-d5					84.7	85.5		14.0-149				
(S) 2-Fluorobiphenyl					73.8	74.2		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

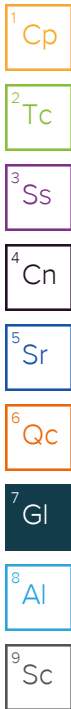
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	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.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

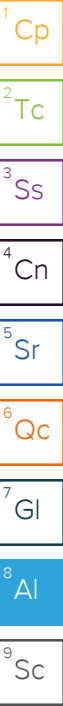
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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		

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

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

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



State of Oregon Chain of Custody

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

Project Name: Roth Building

Project #: 2060.012.008

Sampler Name: B. Warner, R. Kemp

					Sample Preservative									
					Solids: Liquids:	Solids:	Solids: Liquids:	Solids: Liquids:						
					Requested Analyses									
Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	TPH Gasoline by NWTPH-GX	TPH as Diesel by NWTPH-DX	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Dissolved Pb by EPA 8020B (Field Filtered)	Total Pb by EPA 8020B	GRO and VOCs by EPA TO-15		Comments	
IDW-W	1/31/24	900	W	12	X	X	X			X			L1701385	01
IDW-S	1/31/24	855	S	2	X	X	X			X				02
PS	1/31/24	510	W	12	X	X	X	X	X	X				03
PS-S1	1/31/24	410	S	2	X	X		X		X				04
PS-S2	1/31/24	615	S	2			X							05
PS-S3	1/31/24	420	S	2	X	X	X							06
PS-S4	1/31/24	825	S	2										07
PS-S5	1/31/24	640	S	2										08
PS-S6	1/31/24	655	S	2										09

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

Retain non-analyzed samples on truck.

Relinquished By: <i>Riley Salzwedel-Kemp</i>	Agency/Agent: <i>GSI Water Solutions</i>	Received By:	Agency/Agent:
Signature: <i>RSK</i>	Time & Date: <i>8:10am 2/1/2024</i>	Signature:	Time & Date:
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature: <i>Christopher J. Gellum</i>	Time & Date: <i>2/1/24 0900</i>

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS AND SPECIAL CONTRACT TERMS AND CONDITIONS (T'S & C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S AND C'S, EXPRESS OR IMPLIED.

State of Oregon Chain of Custody

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Send Lab Report To: Ellen Woods Address: 700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100 Tel. #: 541-606-0490 Email: ellen.woods@deq.or.gov, remst@gsiws.com, bwarnar@gsiws.com		Lab Batch #: Invoice: ODEQ/Business Office 700 NE Multnomah Street, Suite 600 Portland, OR 97232 Email: DEQEXP@deq.state.or.us					

Project Name: Roth Building

Project #: 2060.012.008

Sampler Name: B. Warner, R. Kemp

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	Requested Analyses								Comments
					TPH Gasoline by NWTPH-Gx	TPH as Diesel by NWTPH-Dx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Dissolved Pb by EPA 6020B (Field Filtered)	Total Pb by EPA 6020B	GRO and VOCs by EPA TO-15		
P1-S1	1/30/24	1255	1150	5 2	X	X		X		X			21701885
P1-S2		1300	1155	5 2	X	X	X	X		X			10
P1-S3		1200	S	2	X	X							11
P1-S4		1205	S	2									12
P2-S1		1255	S	2									13
P2-S2		1300	S	2	X	X	X	X		X			14
P2-S3		1305	S	2	X	X	X						15
P2-S4		1310	S	2									16
P2-S5		1315	S	2									17
P3-S1		1400	S	2									18
P3-S2		1405	S	2									19
P3-S3		1410	S	2	X	X							20
P3-S4		1415	S	2	X	X	X	X		X			21
P3-S5		1420	S	2									22
P3-S6		1425	S	2									23

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

Retain non-analyzed samples on hold.

Relinquished By: Riley Salcedo-Kemp	Agency/Agent: GSI Water Solutions	Received By:	Agency/Agent:
Signature: <i>[Signature]</i>	Time & Date: 8:10am 2/1/2024	Signature:	Time & Date:
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature: Christopher L. Gallein	Time & Date: 2/2/24 0900

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS AND SPECIAL CONTRACT TERMS AND CONDITIONS (T'S & C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S AND C'S, EXPRESS OR IMPLIED.

State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent:

GSI Water Solutions for ODEQ

Send Lab Report To: Ellen Woods
 Address: 700 NE Multnomah Street, Suite 600
 Portland, OR 97232-4100
 Tel. #: 541-606-0490
 Email: ellen.woods@deq.or.gov, remst@gsiws.com, bwarnar@gsiws.com

Contract Laboratory Name:

Pace Analytical National
Lab Batch #:
Invoice: ODEQ/Business Office
 700 NE Multnomah Street, Suite 600
 Portland, OR 97232
 Email: DEQEXP@deq.state.or.us

Lab Selection Criteria:

Proximity (if TAT < 48 hrs)
 Prior work on same project
 Cost (for anticipated analyses)
 Other labs disqualified or unable
 to perform requested services
 Emergency work

Turn Around Time:

10 days (std.)
 5 days
 72 hours
 48 hours
 24 hours
 Other _____

Project Name: Roth Building

Project #: 2060.012.008

Sampler Name: B. Warner, R. Kemp

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	Requested Analyses										Comments		
					TPH Gasoline by NWT/PH-Gx	TPH as Diesel by NWT/PH-Dx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Dissolved Pb by EPA 6020B (Field Filtered)	Total Pb by EPA 6020B	GRO and VOCs by EPA TO-15						
P4-S1	1/30/24	1510	S	2													11701885
P4-S2		1515	S	2	X	X	X										25
P4-S3		1520	S	2													26
P4 P4-S4		1525	S	2													27
P1		1705	W	12	X	X	X	X	X								28
P2		1300	W	12	X	X	X	X	X								29
P3		1415	W	12	X	X	X	X	X								30
P4		1520	W	12	X	X	X	X	X								31
MW-1		1610	W	12	X	X	X	X	X								32
P1-D		1706	W	12	X	X	X	X	X								33
P1-S1-D		1151	WS	2													34
P3-S4-D		1416	S	2	X	X	X	X									35
RINSE	1625	1645	W	12													36
SU1		1117	G	1	X	X	X	X							X		37
																	38

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

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

Retain non-analyzed samples on hold.

Relinquished By: <i>Riley Salzwedel-Kemp</i>	Agency/Agent: <i>GSI Water Solutions</i>	Received By:	Agency/Agent:
Signature: <i>RSK</i>	Time & Date: <i>8:10 am 2/1/2024</i>	Signature:	Time & Date:
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature: <i>Christopher J. Sellen</i>	Time & Date: <i>2/2/24 0900</i>

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