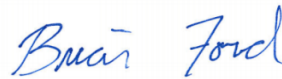


Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1704331
Samples Received: 02/09/2024
Project Number: 2060.012.005
Description: Sukhwinder Rai Property

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

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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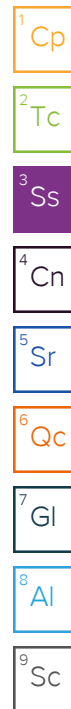
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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

P7-S1 L1704331-01 Solid

				Collected by BW/RK	Collected date/time 02/07/24 09:00	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2224085	5	02/12/24 13:31	02/13/24 15:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2224955	25	02/07/24 09:00	02/13/24 04:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 09:00	02/14/24 03:00	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224415	1	02/13/24 06:31	02/13/24 15:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2225031	1	02/13/24 19:44	02/14/24 22:47	AGW	Mt. Juliet, TN



P7-S5 L1704331-05 Solid

				Collected by BW/RK	Collected date/time 02/07/24 09:20	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2224085	5	02/12/24 13:31	02/13/24 15:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2224955	25	02/07/24 09:20	02/13/24 05:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 09:20	02/14/24 03:20	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2226333	1	02/07/24 09:20	02/15/24 01:49	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224415	1	02/13/24 06:31	02/13/24 15:04	JAS	Mt. Juliet, TN

P7-S7 L1704331-07 Solid

				Collected by BW/RK	Collected date/time 02/07/24 09:30	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2224955	25	02/07/24 09:30	02/13/24 05:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 09:30	02/14/24 03:40	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2226333	1	02/07/24 09:30	02/15/24 02:08	JHH	Mt. Juliet, TN

P7 L1704331-12 GW

				Collected by BW/RK	Collected date/time 02/07/24 09:10	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224199	1	02/15/24 03:38	02/15/24 14:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	1	02/14/24 03:57	02/14/24 03:57	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224336	1	02/13/24 21:24	02/13/24 21:24	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.22	02/12/24 21:10	02/14/24 10:16	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2224398	1.05	02/12/24 06:47	02/12/24 22:49	JRM	Mt. Juliet, TN

P7-D L1704331-13 GW

				Collected by BW/RK	Collected date/time 02/07/24 09:11	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224199	1	02/15/24 03:38	02/15/24 14:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	1	02/14/24 04:22	02/14/24 04:22	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224360	1	02/11/24 21:40	02/11/24 21:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.32	02/12/24 21:10	02/14/24 10:36	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2224398	1.11	02/12/24 06:47	02/12/24 22:31	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

P8-S1 L1704331-14 Solid

Collected by
BW/RK

Collected date/time
02/07/24 10:15

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2224955	25	02/07/24 10:15	02/13/24 06:06	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 10:15	02/14/24 03:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224415	1	02/13/24 06:31	02/13/24 14:52	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2225033	1	02/13/24 21:34	02/14/24 04:46	AGW	Mt. Juliet, TN

P8-S3 L1704331-16 Solid

Collected by
BW/RK

Collected date/time
02/07/24 10:25

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225287	25	02/07/24 10:25	02/13/24 14:40	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 10:25	02/14/24 04:19	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224720	1	02/12/24 17:28	02/13/24 11:37	KAP	Mt. Juliet, TN

P8-S4 L1704331-17 Solid

Collected by
BW/RK

Collected date/time
02/07/24 10:30

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2224085	5	02/12/24 13:31	02/13/24 15:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2226980	1000	02/07/24 10:30	02/15/24 16:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	8	02/07/24 10:30	02/14/24 05:38	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2226333	80	02/07/24 10:30	02/15/24 02:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224720	1	02/12/24 17:28	02/13/24 09:12	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2225033	1	02/13/24 21:34	02/14/24 05:04	AGW	Mt. Juliet, TN

P8-S4-D L1704331-18 Solid

Collected by
BW/RK

Collected date/time
02/07/24 10:31

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225287	500	02/07/24 10:31	02/13/24 20:47	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	40	02/07/24 10:31	02/14/24 05:58	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224720	1	02/12/24 17:28	02/13/24 08:45	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2225033	1	02/13/24 21:34	02/14/24 05:22	AGW	Mt. Juliet, TN

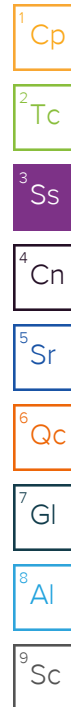
P8 L1704331-19 GW

Collected by
BW/RK

Collected date/time
02/07/24 10:20

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224199	1	02/15/24 03:38	02/15/24 14:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	2	02/14/24 04:47	02/14/24 04:47	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2226409	2	02/15/24 11:10	02/15/24 11:10	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	27.8	02/12/24 21:10	02/17/24 01:21	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2224398	2.67	02/12/24 06:47	02/13/24 00:53	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2227566	2.29	02/17/24 09:09	02/17/24 19:53	SAW	Mt. Juliet, TN



SAMPLE SUMMARY

P9-S3 L1704331-22 Solid

				Collected by BW/RK	Collected date/time 02/07/24 11:20	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2224085	5	02/12/24 13:31	02/13/24 15:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225287	25	02/07/24 11:20	02/13/24 15:04	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 11:20	02/14/24 04:39	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224720	1	02/12/24 17:28	02/13/24 11:50	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2225033	1	02/13/24 21:34	02/14/24 05:40	AGW	Mt. Juliet, TN

P9-S5 L1704331-24 Solid

				Collected by BW/RK	Collected date/time 02/07/24 11:30	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2224465	1	02/13/24 09:53	02/13/24 10:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225287	25	02/07/24 11:30	02/13/24 15:28	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2225767	1	02/07/24 11:30	02/14/24 04:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224720	1	02/12/24 17:28	02/13/24 13:22	KAP	Mt. Juliet, TN

P9 L1704331-28 GW

				Collected by BW/RK	Collected date/time 02/07/24 11:45	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224199	1	02/15/24 03:38	02/15/24 14:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	2	02/14/24 05:12	02/14/24 05:12	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224360	1	02/11/24 21:59	02/11/24 21:59	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.79	02/12/24 21:10	02/14/24 10:56	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2224398	1.33	02/12/24 06:47	02/12/24 22:13	JRM	Mt. Juliet, TN

IDW-W L1704331-29 GW

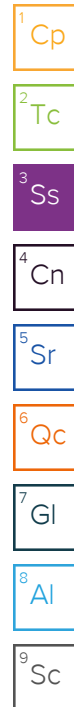
				Collected by BW/RK	Collected date/time 02/07/24 13:20	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224216	1	02/16/24 04:53	02/16/24 17:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	1	02/14/24 05:36	02/14/24 05:36	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224360	1	02/11/24 22:18	02/11/24 22:18	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.47	02/12/24 21:10	02/14/24 11:16	MAA	Mt. Juliet, TN

RINSE L1704331-31 GW

				Collected by BW/RK	Collected date/time 02/07/24 12:40	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225769	1	02/14/24 06:01	02/14/24 06:01	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224360	1	02/11/24 22:37	02/11/24 22:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	3.45	02/12/24 21:10	02/14/24 11:36	MAA	Mt. Juliet, TN

WELL L1704331-32 GW

				Collected by BW/RK	Collected date/time 02/06/24 14:15	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2224199	1	02/15/24 03:38	02/15/24 14:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2224216	1	02/16/24 04:53	02/16/24 17:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2225690	1	02/14/24 08:13	02/14/24 08:13	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2224360	1	02/11/24 22:56	02/11/24 22:56	JAH	Mt. Juliet, TN



SAMPLE SUMMARY

WELL L1704331-32 GW

				Collected by BW/RK	Collected date/time 02/06/24 14:15	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2224397	1.03	02/12/24 21:10	02/14/24 11:56	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2224398	2.29	02/12/24 06:47	02/13/24 00:35	MKM	Mt. Juliet, TN

TRIP L1704331-35 GW

				Collected by BW/RK	Collected date/time 02/06/24 00:00	Received date/time 02/09/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2230301	1	02/20/24 21:33	02/20/24 21:33	ADM	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

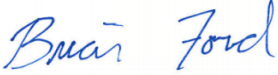
⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

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



Brian Ford
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1704331-19	P8	8260D

An aliquot for analysis was taken from the original container received due to the level of sediment present in the sample. Rinsing of the original sample container for inclusion in the sample extraction was not performed.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1704331-19	P8	NWTPHDX-NO SGT



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	89.2		1	02/13/2024 10:04	WG2224465

Metals (ICPMS) by Method 6020B

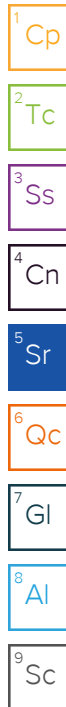
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Lead	6.62		0.111	2.24	5	02/13/2024 15:39	WG2224085

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	2.68	B J	1.07	3.15	25	02/13/2024 04:53	WG2224955
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120		02/13/2024 04:53	WG2224955

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		0.0460	0.0630	1	02/14/2024 03:00	WG2225767
Acrylonitrile	U		0.00455	0.0157	1	02/14/2024 03:00	WG2225767
Benzene	0.000970	J	0.000588	0.00126	1	02/14/2024 03:00	WG2225767
Bromobenzene	U		0.00113	0.0157	1	02/14/2024 03:00	WG2225767
Bromodichloromethane	U		0.000913	0.00315	1	02/14/2024 03:00	WG2225767
Bromoform	U		0.00147	0.0315	1	02/14/2024 03:00	WG2225767
Bromomethane	U		0.00248	0.0157	1	02/14/2024 03:00	WG2225767
n-Butylbenzene	U		0.00661	0.0157	1	02/14/2024 03:00	WG2225767
sec-Butylbenzene	U		0.00363	0.0157	1	02/14/2024 03:00	WG2225767
tert-Butylbenzene	U		0.00246	0.00630	1	02/14/2024 03:00	WG2225767
Carbon disulfide	0.00157	J	0.000881	0.0157	1	02/14/2024 03:00	WG2225767
Carbon tetrachloride	U		0.00113	0.00630	1	02/14/2024 03:00	WG2225767
Chlorobenzene	U		0.000264	0.00315	1	02/14/2024 03:00	WG2225767
Chlorodibromomethane	U		0.000771	0.00315	1	02/14/2024 03:00	WG2225767
Chloroethane	U		0.00214	0.00630	1	02/14/2024 03:00	WG2225767
Chloroform	U		0.00130	0.00315	1	02/14/2024 03:00	WG2225767
Chloromethane	U		0.00548	0.0157	1	02/14/2024 03:00	WG2225767
2-Chlorotoluene	U		0.00109	0.00315	1	02/14/2024 03:00	WG2225767
4-Chlorotoluene	U		0.000567	0.00630	1	02/14/2024 03:00	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00491	0.0315	1	02/14/2024 03:00	WG2225767
1,2-Dibromoethane	U		0.000816	0.00315	1	02/14/2024 03:00	WG2225767
Dibromomethane	U		0.000944	0.00630	1	02/14/2024 03:00	WG2225767
1,2-Dichlorobenzene	U		0.000535	0.00630	1	02/14/2024 03:00	WG2225767
1,3-Dichlorobenzene	U		0.000756	0.00630	1	02/14/2024 03:00	WG2225767
1,4-Dichlorobenzene	U		0.000881	0.00630	1	02/14/2024 03:00	WG2225767
Dichlorodifluoromethane	U		0.00203	0.00630	1	02/14/2024 03:00	WG2225767
1,1-Dichloroethane	U		0.000618	0.00315	1	02/14/2024 03:00	WG2225767
1,2-Dichloroethane	U		0.000817	0.00315	1	02/14/2024 03:00	WG2225767
1,1-Dichloroethene	U		0.000763	0.00315	1	02/14/2024 03:00	WG2225767
cis-1,2-Dichloroethene	U		0.000924	0.00315	1	02/14/2024 03:00	WG2225767
trans-1,2-Dichloroethene	U		0.00131	0.00630	1	02/14/2024 03:00	WG2225767
1,2-Dichloropropane	U		0.00179	0.00630	1	02/14/2024 03:00	WG2225767
1,1-Dichloropropene	U		0.00102	0.00315	1	02/14/2024 03:00	WG2225767
1,3-Dichloropropane	U		0.000631	0.00630	1	02/14/2024 03:00	WG2225767
cis-1,3-Dichloropropene	U		0.000953	0.00315	1	02/14/2024 03:00	WG2225767
trans-1,3-Dichloropropene	U		0.00144	0.00630	1	02/14/2024 03:00	WG2225767
2,2-Dichloropropane	U		0.00174	0.00315	1	02/14/2024 03:00	WG2225767
Di-isopropyl ether	U		0.000516	0.00126	1	02/14/2024 03:00	WG2225767



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		0.000928	0.00315	1	02/14/2024 03:00	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00756	0.0315	1	02/14/2024 03:00	WG2225767
Isopropylbenzene	U		0.000535	0.00315	1	02/14/2024 03:00	WG2225767
p-Isopropyltoluene	U		0.00321	0.00630	1	02/14/2024 03:00	WG2225767
2-Butanone (MEK)	U		0.0800	0.126	1	02/14/2024 03:00	WG2225767
Methylene Chloride	U		0.00836	0.0315	1	02/14/2024 03:00	WG2225767
4-Methyl-2-pentanone (MIBK)	U		0.00287	0.0315	1	02/14/2024 03:00	WG2225767
Methyl tert-butyl ether	U		0.000441	0.00126	1	02/14/2024 03:00	WG2225767
Naphthalene	U		0.00615	0.0157	1	02/14/2024 03:00	WG2225767
n-Propylbenzene	U		0.00120	0.00630	1	02/14/2024 03:00	WG2225767
Styrene	U		0.000288	0.0157	1	02/14/2024 03:00	WG2225767
1,1,1,2-Tetrachloroethane	U		0.00119	0.00315	1	02/14/2024 03:00	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000875	0.00315	1	02/14/2024 03:00	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.000949	0.00315	1	02/14/2024 03:00	WG2225767
Tetrachloroethene	U		0.00113	0.00315	1	02/14/2024 03:00	WG2225767
Toluene	U		0.00164	0.00630	1	02/14/2024 03:00	WG2225767
1,2,3-Trichlorobenzene	U		0.00923	0.0157	1	02/14/2024 03:00	WG2225767
1,2,4-Trichlorobenzene	U		0.00554	0.0157	1	02/14/2024 03:00	WG2225767
1,1,1-Trichloroethane	U		0.00116	0.00315	1	02/14/2024 03:00	WG2225767
1,1,2-Trichloroethane	U		0.000752	0.00315	1	02/14/2024 03:00	WG2225767
Trichloroethene	U		0.000735	0.00126	1	02/14/2024 03:00	WG2225767
Trichlorofluoromethane	U		0.00104	0.00315	1	02/14/2024 03:00	WG2225767
1,2,3-Trichloropropane	U		0.00204	0.0157	1	02/14/2024 03:00	WG2225767
1,2,4-Trimethylbenzene	U		0.00199	0.00630	1	02/14/2024 03:00	WG2225767
1,2,3-Trimethylbenzene	U		0.00199	0.00630	1	02/14/2024 03:00	WG2225767
1,3,5-Trimethylbenzene	U		0.00252	0.00630	1	02/14/2024 03:00	WG2225767
Vinyl chloride	U		0.00146	0.00315	1	02/14/2024 03:00	WG2225767
Xylenes, Total	0.00147	B J	0.00111	0.00818	1	02/14/2024 03:00	WG2225767
<i>(S) Toluene-d8</i>	101			75.0-131		02/14/2024 03:00	WG2225767
<i>(S) 4-Bromofluorobenzene</i>	104			67.0-138		02/14/2024 03:00	WG2225767
<i>(S) 1,2-Dichloroethane-d4</i>	90.3			70.0-130		02/14/2024 03:00	WG2225767

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)	14.9		1.49	4.49	1	02/13/2024 15:16	WG2224415
Residual Range Organics (RRO)	77.6		3.73	11.2	1	02/13/2024 15:16	WG2224415
<i>(S) o-Terphenyl</i>	24.8			18.0-148		02/13/2024 15:16	WG2224415

Sample Narrative:

L1704331-01 WG2224415: 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	U		0.00258	0.00673	1	02/14/2024 22:47	WG2225031
Acenaphthene	U		0.00234	0.00673	1	02/14/2024 22:47	WG2225031
Acenaphthylene	0.00455	LJ	0.00242	0.00673	1	02/14/2024 22:47	WG2225031
Benzo(a)anthracene	0.00608	LJ	0.00194	0.00673	1	02/14/2024 22:47	WG2225031
Benzo(a)pyrene	0.0175		0.00201	0.00673	1	02/14/2024 22:47	WG2225031
Benzo(b)fluoranthene	0.0187		0.00172	0.00673	1	02/14/2024 22:47	WG2225031
Benzo(g,h,i)perylene	0.0253		0.00198	0.00673	1	02/14/2024 22:47	WG2225031
Benzo(k)fluoranthene	0.00597	LJ	0.00241	0.00673	1	02/14/2024 22:47	WG2225031
Chrysene	0.0113		0.00260	0.00673	1	02/14/2024 22:47	WG2225031
Dibenz(a,h)anthracene	0.00193	LJ	0.00193	0.00673	1	02/14/2024 22:47	WG2225031

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	0.0315		0.00255	0.00673	1	02/14/2024 22:47	WG2225031
Fluorene	U		0.00230	0.00673	1	02/14/2024 22:47	WG2225031
Indeno(1,2,3-cd)pyrene	0.0184		0.00203	0.00673	1	02/14/2024 22:47	WG2225031
Naphthalene	U		0.00457	0.0224	1	02/14/2024 22:47	WG2225031
Phenanthrene	0.0105		0.00259	0.00673	1	02/14/2024 22:47	WG2225031
Pyrene	0.0435		0.00224	0.00673	1	02/14/2024 22:47	WG2225031
1-Methylnaphthalene	U		0.00503	0.0224	1	02/14/2024 22:47	WG2225031
2-Methylnaphthalene	U		0.00479	0.0224	1	02/14/2024 22:47	WG2225031
2-Chloronaphthalene	U		0.00523	0.0224	1	02/14/2024 22:47	WG2225031
(S) p-Terphenyl-d14	87.2			23.0-120		02/14/2024 22:47	WG2225031
(S) Nitrobenzene-d5	89.9			14.0-149		02/14/2024 22:47	WG2225031
(S) 2-Fluorobiphenyl	90.5			34.0-125		02/14/2024 22:47	WG2225031

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	83.3		1	02/13/2024 10:04	WG2224465

Metals (ICPMS) by Method 6020B

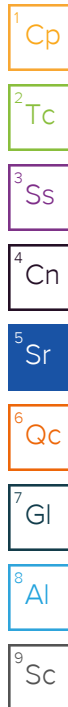
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	4.98		0.119	2.40	5	02/13/2024 15:42	WG2224085

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	3.65	B	1.20	3.54	25	02/13/2024 05:18	WG2224955
(S) a,a,a-Trifluorotoluene(FID)	93.6			77.0-120		02/13/2024 05:18	WG2224955

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		0.0516	0.0707	1	02/14/2024 03:20	WG2225767
Acrylonitrile	U		0.00511	0.0177	1	02/14/2024 03:20	WG2225767
Benzene	U		0.000661	0.00141	1	02/14/2024 03:20	WG2225767
Bromobenzene	U		0.00127	0.0177	1	02/14/2024 03:20	WG2225767
Bromodichloromethane	U		0.00103	0.00354	1	02/14/2024 03:20	WG2225767
Bromoform	U		0.00166	0.0354	1	02/14/2024 03:20	WG2225767
Bromomethane	U		0.00279	0.0177	1	02/14/2024 03:20	WG2225767
n-Butylbenzene	U		0.00743	0.0177	1	02/14/2024 03:20	WG2225767
sec-Butylbenzene	U		0.00407	0.0177	1	02/14/2024 03:20	WG2225767
tert-Butylbenzene	U		0.00276	0.00707	1	02/14/2024 03:20	WG2225767
Carbon disulfide	U		0.000990	0.0177	1	02/14/2024 03:20	WG2225767
Carbon tetrachloride	U		0.00127	0.00707	1	02/14/2024 03:20	WG2225767
Chlorobenzene	U		0.000297	0.00354	1	02/14/2024 03:20	WG2225767
Chlorodibromomethane	U		0.000866	0.00354	1	02/14/2024 03:20	WG2225767
Chloroethane	U		0.00240	0.00707	1	02/14/2024 03:20	WG2225767
Chloroform	U		0.00146	0.00354	1	02/14/2024 03:20	WG2225767
Chloromethane	U		0.00615	0.0177	1	02/14/2024 03:20	WG2225767
2-Chlorotoluene	U		0.00122	0.00354	1	02/14/2024 03:20	WG2225767
4-Chlorotoluene	U		0.000637	0.00707	1	02/14/2024 03:20	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0354	1	02/14/2024 03:20	WG2225767
1,2-Dibromoethane	U		0.000917	0.00354	1	02/14/2024 03:20	WG2225767
Dibromomethane	U		0.00106	0.00707	1	02/14/2024 03:20	WG2225767
1,2-Dichlorobenzene	U		0.000601	0.00707	1	02/14/2024 03:20	WG2225767
1,3-Dichlorobenzene	U		0.000849	0.00707	1	02/14/2024 03:20	WG2225767
1,4-Dichlorobenzene	U		0.000990	0.00707	1	02/14/2024 03:20	WG2225767
Dichlorodifluoromethane	U		0.00228	0.00707	1	02/14/2024 03:20	WG2225767
1,1-Dichloroethane	U		0.000695	0.00354	1	02/14/2024 03:20	WG2225767
1,2-Dichloroethane	U		0.000918	0.00354	1	02/14/2024 03:20	WG2225767
1,1-Dichloroethene	U		0.000857	0.00354	1	02/14/2024 03:20	WG2225767
cis-1,2-Dichloroethene	U		0.00104	0.00354	1	02/14/2024 03:20	WG2225767
trans-1,2-Dichloroethene	U		0.00147	0.00707	1	02/14/2024 03:20	WG2225767
1,2-Dichloropropane	U		0.00201	0.00707	1	02/14/2024 03:20	WG2225767
1,1-Dichloropropene	U		0.00114	0.00354	1	02/14/2024 03:20	WG2225767
1,3-Dichloropropane	U		0.000709	0.00707	1	02/14/2024 03:20	WG2225767
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	02/14/2024 03:20	WG2225767
trans-1,3-Dichloropropene	U		0.00161	0.00707	1	02/14/2024 03:20	WG2225767
2,2-Dichloropropane	U		0.00195	0.00354	1	02/14/2024 03:20	WG2225767
Di-isopropyl ether	U		0.000580	0.00141	1	02/14/2024 03:20	WG2225767



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	0.00325	<u>J</u>	0.00104	0.00354	1	02/14/2024 03:20	WG2225767
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.00849	0.0354	1	02/14/2024 03:20	WG2225767
Isopropylbenzene	U		0.000601	0.00354	1	02/14/2024 03:20	WG2225767
p-Isopropyltoluene	U		0.00361	0.00707	1	02/14/2024 03:20	WG2225767
2-Butanone (MEK)	U		0.0898	0.141	1	02/14/2024 03:20	WG2225767
Methylene Chloride	0.0116	<u>J</u>	0.00939	0.0354	1	02/14/2024 03:20	WG2225767
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0354	1	02/14/2024 03:20	WG2225767
Methyl tert-butyl ether	U		0.000495	0.00141	1	02/14/2024 03:20	WG2225767
Naphthalene	U		0.00690	0.0177	1	02/14/2024 03:20	WG2225767
n-Propylbenzene	U		0.00134	0.00707	1	02/14/2024 03:20	WG2225767
Styrene	0.00143	<u>J</u>	0.000324	0.0177	1	02/15/2024 01:49	WG2226333
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	02/14/2024 03:20	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000983	0.00354	1	02/14/2024 03:20	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	02/14/2024 03:20	WG2225767
Tetrachloroethene	U		0.00127	0.00354	1	02/14/2024 03:20	WG2225767
Toluene	0.00199	<u>J</u>	0.00184	0.00707	1	02/14/2024 03:20	WG2225767
1,2,3-Trichlorobenzene	U		0.0104	0.0177	1	02/14/2024 03:20	WG2225767
1,2,4-Trichlorobenzene	U		0.00622	0.0177	1	02/14/2024 03:20	WG2225767
1,1,1-Trichloroethane	U		0.00131	0.00354	1	02/14/2024 03:20	WG2225767
1,1,2-Trichloroethane	U		0.000845	0.00354	1	02/14/2024 03:20	WG2225767
Trichloroethene	U		0.000826	0.00141	1	02/14/2024 03:20	WG2225767
Trichlorofluoromethane	U		0.00117	0.00354	1	02/14/2024 03:20	WG2225767
1,2,3-Trichloropropane	U		0.00229	0.0177	1	02/14/2024 03:20	WG2225767
1,2,4-Trimethylbenzene	U		0.00224	0.00707	1	02/14/2024 03:20	WG2225767
1,2,3-Trimethylbenzene	U		0.00224	0.00707	1	02/14/2024 03:20	WG2225767
1,3,5-Trimethylbenzene	U		0.00283	0.00707	1	02/14/2024 03:20	WG2225767
Vinyl chloride	U		0.00164	0.00354	1	02/14/2024 03:20	WG2225767
Xylenes, Total	0.0198	<u>B</u>	0.00124	0.00920	1	02/14/2024 03:20	WG2225767
(S) Toluene-d8	103			75.0-131		02/14/2024 03:20	WG2225767
(S) Toluene-d8	97.8			75.0-131		02/15/2024 01:49	WG2226333
(S) 4-Bromofluorobenzene	105			67.0-138		02/14/2024 03:20	WG2225767
(S) 4-Bromofluorobenzene	96.3			67.0-138		02/15/2024 01:49	WG2226333
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		02/14/2024 03:20	WG2225767
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		02/15/2024 01:49	WG2226333

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)	U		1.60	4.80	1	02/13/2024 15:04	WG2224415
Residual Range Organics (RRO)	U		4.00	12.0	1	02/13/2024 15:04	WG2224415
(S) o-Terphenyl	42.3			18.0-148		02/13/2024 15:04	WG2224415

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	02/13/2024 10:04	WG2224465

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	2.35	B J	1.11	3.29	25	02/13/2024 05:42	WG2224955
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		02/13/2024 05:42	WG2224955

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		0.0480	0.0657	1	02/14/2024 03:40	WG2225767
Acrylonitrile	U		0.00475	0.0164	1	02/14/2024 03:40	WG2225767
Benzene	0.000773	J	0.000614	0.00131	1	02/14/2024 03:40	WG2225767
Bromobenzene	U		0.00118	0.0164	1	02/14/2024 03:40	WG2225767
Bromodichloromethane	U		0.000953	0.00329	1	02/14/2024 03:40	WG2225767
Bromoform	U		0.00154	0.0329	1	02/14/2024 03:40	WG2225767
Bromomethane	U		0.00259	0.0164	1	02/14/2024 03:40	WG2225767
n-Butylbenzene	U		0.00690	0.0164	1	02/14/2024 03:40	WG2225767
sec-Butylbenzene	U		0.00379	0.0164	1	02/14/2024 03:40	WG2225767
tert-Butylbenzene	U		0.00256	0.00657	1	02/14/2024 03:40	WG2225767
Carbon disulfide	U		0.000920	0.0164	1	02/14/2024 03:40	WG2225767
Carbon tetrachloride	U		0.00118	0.00657	1	02/14/2024 03:40	WG2225767
Chlorobenzene	U		0.000276	0.00329	1	02/14/2024 03:40	WG2225767
Chlorodibromomethane	U		0.000805	0.00329	1	02/14/2024 03:40	WG2225767
Chloroethane	U		0.00224	0.00657	1	02/14/2024 03:40	WG2225767
Chloroform	U		0.00135	0.00329	1	02/14/2024 03:40	WG2225767
Chloromethane	U		0.00572	0.0164	1	02/14/2024 03:40	WG2225767
2-Chlorotoluene	U		0.00114	0.00329	1	02/14/2024 03:40	WG2225767
4-Chlorotoluene	U		0.000592	0.00657	1	02/14/2024 03:40	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00513	0.0329	1	02/14/2024 03:40	WG2225767
1,2-Dibromoethane	U		0.000852	0.00329	1	02/14/2024 03:40	WG2225767
Dibromomethane	U		0.000986	0.00657	1	02/14/2024 03:40	WG2225767
1,2-Dichlorobenzene	U		0.000559	0.00657	1	02/14/2024 03:40	WG2225767
1,3-Dichlorobenzene	U		0.000789	0.00657	1	02/14/2024 03:40	WG2225767
1,4-Dichlorobenzene	U		0.000920	0.00657	1	02/14/2024 03:40	WG2225767
Dichlorodifluoromethane	U		0.00212	0.00657	1	02/14/2024 03:40	WG2225767
1,1-Dichloroethane	U		0.000646	0.00329	1	02/14/2024 03:40	WG2225767
1,2-Dichloroethane	U		0.000853	0.00329	1	02/14/2024 03:40	WG2225767
1,1-Dichloroethene	U		0.000797	0.00329	1	02/14/2024 03:40	WG2225767
cis-1,2-Dichloroethene	U		0.000965	0.00329	1	02/14/2024 03:40	WG2225767
trans-1,2-Dichloroethene	U		0.00137	0.00657	1	02/14/2024 03:40	WG2225767
1,2-Dichloropropane	U		0.00187	0.00657	1	02/14/2024 03:40	WG2225767
1,1-Dichloropropene	U		0.00106	0.00329	1	02/14/2024 03:40	WG2225767
1,3-Dichloropropane	U		0.000659	0.00657	1	02/14/2024 03:40	WG2225767
cis-1,3-Dichloropropene	U		0.000995	0.00329	1	02/14/2024 03:40	WG2225767
trans-1,3-Dichloropropene	U		0.00150	0.00657	1	02/14/2024 03:40	WG2225767
2,2-Dichloropropane	U		0.00181	0.00329	1	02/14/2024 03:40	WG2225767
Di-isopropyl ether	U		0.000539	0.00131	1	02/14/2024 03:40	WG2225767
Ethylbenzene	U		0.000969	0.00329	1	02/14/2024 03:40	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00789	0.0329	1	02/14/2024 03:40	WG2225767
Isopropylbenzene	U		0.000559	0.00329	1	02/14/2024 03:40	WG2225767
p-Isopropyltoluene	U		0.00335	0.00657	1	02/14/2024 03:40	WG2225767
2-Butanone (MEK)	U		0.0835	0.131	1	02/14/2024 03:40	WG2225767
Methylene Chloride	U		0.00873	0.0329	1	02/14/2024 03:40	WG2225767

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		0.00300	0.0329	1	02/14/2024 03:40	WG2225767
Methyl tert-butyl ether	U		0.000460	0.00131	1	02/14/2024 03:40	WG2225767
Naphthalene	U		0.00642	0.0164	1	02/14/2024 03:40	WG2225767
n-Propylbenzene	U		0.00125	0.00657	1	02/14/2024 03:40	WG2225767
Styrene	0.000414	J	0.000301	0.0164	1	02/15/2024 02:08	WG2226333
1,1,1,2-Tetrachloroethane	U		0.00125	0.00329	1	02/14/2024 03:40	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000914	0.00329	1	02/14/2024 03:40	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.000991	0.00329	1	02/14/2024 03:40	WG2225767
Tetrachloroethene	U		0.00118	0.00329	1	02/14/2024 03:40	WG2225767
Toluene	U		0.00171	0.00657	1	02/14/2024 03:40	WG2225767
1,2,3-Trichlorobenzene	U		0.00964	0.0164	1	02/14/2024 03:40	WG2225767
1,2,4-Trichlorobenzene	U		0.00579	0.0164	1	02/14/2024 03:40	WG2225767
1,1,1-Trichloroethane	U		0.00121	0.00329	1	02/14/2024 03:40	WG2225767
1,1,2-Trichloroethane	U		0.000785	0.00329	1	02/14/2024 03:40	WG2225767
Trichloroethene	U		0.000768	0.00131	1	02/14/2024 03:40	WG2225767
Trichlorofluoromethane	U		0.00109	0.00329	1	02/14/2024 03:40	WG2225767
1,2,3-Trichloropropane	U		0.00213	0.0164	1	02/14/2024 03:40	WG2225767
1,2,4-Trimethylbenzene	U		0.00208	0.00657	1	02/14/2024 03:40	WG2225767
1,2,3-Trimethylbenzene	U		0.00208	0.00657	1	02/14/2024 03:40	WG2225767
1,3,5-Trimethylbenzene	U		0.00263	0.00657	1	02/14/2024 03:40	WG2225767
Vinyl chloride	U		0.00153	0.00329	1	02/14/2024 03:40	WG2225767
Xylenes, Total	0.00625	B J	0.00116	0.00855	1	02/14/2024 03:40	WG2225767
(S) Toluene-d8	100			75.0-131		02/14/2024 03:40	WG2225767
(S) Toluene-d8	95.6			75.0-131		02/15/2024 02:08	WG2226333
(S) 4-Bromofluorobenzene	102			67.0-138		02/14/2024 03:40	WG2225767
(S) 4-Bromofluorobenzene	97.7			67.0-138		02/15/2024 02:08	WG2226333
(S) 1,2-Dichloroethane-d4	83.2			70.0-130		02/14/2024 03:40	WG2225767
(S) 1,2-Dichloroethane-d4	94.1			70.0-130		02/15/2024 02:08	WG2226333

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/15/2024 14:19	WG2224199

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	79.8	B_J	31.6	100	1	02/14/2024 03:57	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	90.7			78.0-120		02/14/2024 03:57	WG2225769

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/13/2024 21:24	WG2224336
Acrolein	U		2.54	50.0	1	02/13/2024 21:24	WG2224336
Acrylonitrile	U		0.671	10.0	1	02/13/2024 21:24	WG2224336
Benzene	U		0.0941	1.00	1	02/13/2024 21:24	WG2224336
Bromobenzene	U		0.118	1.00	1	02/13/2024 21:24	WG2224336
Bromodichloromethane	U		0.136	1.00	1	02/13/2024 21:24	WG2224336
Bromoform	U		0.129	1.00	1	02/13/2024 21:24	WG2224336
Bromomethane	U		0.605	5.00	1	02/13/2024 21:24	WG2224336
n-Butylbenzene	U		0.157	1.00	1	02/13/2024 21:24	WG2224336
sec-Butylbenzene	U		0.125	1.00	1	02/13/2024 21:24	WG2224336
tert-Butylbenzene	U		0.127	1.00	1	02/13/2024 21:24	WG2224336
Carbon disulfide	U		0.0962	1.00	1	02/13/2024 21:24	WG2224336
Carbon tetrachloride	U		0.128	1.00	1	02/13/2024 21:24	WG2224336
Chlorobenzene	U		0.116	1.00	1	02/13/2024 21:24	WG2224336
Chlorodibromomethane	U		0.140	1.00	1	02/13/2024 21:24	WG2224336
Chloroethane	U		0.192	5.00	1	02/13/2024 21:24	WG2224336
Chloroform	U		0.111	5.00	1	02/13/2024 21:24	WG2224336
Chloromethane	U		0.960	2.50	1	02/13/2024 21:24	WG2224336
2-Chlorotoluene	U		0.106	1.00	1	02/13/2024 21:24	WG2224336
4-Chlorotoluene	U		0.114	1.00	1	02/13/2024 21:24	WG2224336
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/13/2024 21:24	WG2224336
1,2-Dibromoethane	U		0.126	1.00	1	02/13/2024 21:24	WG2224336
Dibromomethane	U		0.122	1.00	1	02/13/2024 21:24	WG2224336
1,2-Dichlorobenzene	U		0.107	1.00	1	02/13/2024 21:24	WG2224336
1,3-Dichlorobenzene	U		0.110	1.00	1	02/13/2024 21:24	WG2224336
1,4-Dichlorobenzene	U		0.120	1.00	1	02/13/2024 21:24	WG2224336
Dichlorodifluoromethane	U		0.374	5.00	1	02/13/2024 21:24	WG2224336
1,1-Dichloroethane	U		0.100	1.00	1	02/13/2024 21:24	WG2224336
1,2-Dichloroethane	U		0.0819	1.00	1	02/13/2024 21:24	WG2224336
1,1-Dichloroethene	U		0.188	1.00	1	02/13/2024 21:24	WG2224336
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/13/2024 21:24	WG2224336
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/13/2024 21:24	WG2224336
1,2-Dichloropropane	U		0.149	1.00	1	02/13/2024 21:24	WG2224336
1,1-Dichloropropene	U		0.142	1.00	1	02/13/2024 21:24	WG2224336
1,3-Dichloropropane	U		0.110	1.00	1	02/13/2024 21:24	WG2224336
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/13/2024 21:24	WG2224336
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/13/2024 21:24	WG2224336
2,2-Dichloropropane	U		0.161	1.00	1	02/13/2024 21:24	WG2224336
Di-isopropyl ether	U		0.105	1.00	1	02/13/2024 21:24	WG2224336
Ethylbenzene	U		0.137	1.00	1	02/13/2024 21:24	WG2224336
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/13/2024 21:24	WG2224336
Isopropylbenzene	U		0.105	1.00	1	02/13/2024 21:24	WG2224336
p-Isopropyltoluene	U		0.120	1.00	1	02/13/2024 21:24	WG2224336

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/13/2024 21:24	WG2224336
Methylene Chloride	U		0.430	5.00	1	02/13/2024 21:24	WG2224336
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/13/2024 21:24	WG2224336
Methyl tert-butyl ether	U		0.101	1.00	1	02/13/2024 21:24	WG2224336
Naphthalene	U		1.00	5.00	1	02/13/2024 21:24	WG2224336
n-Propylbenzene	U		0.0993	1.00	1	02/13/2024 21:24	WG2224336
Styrene	U		0.118	1.00	1	02/13/2024 21:24	WG2224336
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/13/2024 21:24	WG2224336
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/13/2024 21:24	WG2224336
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/13/2024 21:24	WG2224336
Tetrachloroethene	U		0.300	1.00	1	02/13/2024 21:24	WG2224336
Toluene	U		0.278	1.00	1	02/13/2024 21:24	WG2224336
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/13/2024 21:24	WG2224336
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/13/2024 21:24	WG2224336
1,1,1-Trichloroethane	U		0.149	1.00	1	02/13/2024 21:24	WG2224336
1,1,2-Trichloroethane	U		0.158	1.00	1	02/13/2024 21:24	WG2224336
Trichloroethene	U		0.190	1.00	1	02/13/2024 21:24	WG2224336
Trichlorofluoromethane	U		0.160	5.00	1	02/13/2024 21:24	WG2224336
1,2,3-Trichloropropane	U		0.237	2.50	1	02/13/2024 21:24	WG2224336
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/13/2024 21:24	WG2224336
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/13/2024 21:24	WG2224336
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/13/2024 21:24	WG2224336
Vinyl chloride	U		0.234	1.00	1	02/13/2024 21:24	WG2224336
Xylenes, Total	U		0.174	3.00	1	02/13/2024 21:24	WG2224336
(S) Toluene-d8	103			80.0-120		02/13/2024 21:24	WG2224336
(S) 4-Bromofluorobenzene	104			77.0-126		02/13/2024 21:24	WG2224336
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		02/13/2024 21:24	WG2224336

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)	520		40.6	122	1.22	02/14/2024 10:16	WG2224397
Residual Range Organics (RRO)	585		102	305	1.22	02/14/2024 10:16	WG2224397
(S) o-Terphenyl	13.9	J2		31.0-160		02/14/2024 10:16	WG2224397

Sample Narrative:

L1704331-12 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	U		0.0199	0.0525	1.05	02/12/2024 22:49	WG2224398
Acenaphthene	U		0.0199	0.0525	1.05	02/12/2024 22:49	WG2224398
Acenaphthylene	U		0.0180	0.0525	1.05	02/12/2024 22:49	WG2224398
Benzo(a)anthracene	U		0.0213	0.0525	1.05	02/12/2024 22:49	WG2224398
Benzo(a)pyrene	U		0.0193	0.0525	1.05	02/12/2024 22:49	WG2224398
Benzo(b)fluoranthene	U		0.0176	0.0525	1.05	02/12/2024 22:49	WG2224398
Benzo(g,h,i)perylene	U		0.0193	0.0525	1.05	02/12/2024 22:49	WG2224398
Benzo(k)fluoranthene	U		0.0212	0.0525	1.05	02/12/2024 22:49	WG2224398
Chrysene	U		0.0188	0.0525	1.05	02/12/2024 22:49	WG2224398
Dibenz(a,h)anthracene	U		0.0168	0.0525	1.05	02/12/2024 22:49	WG2224398
Fluoranthene	U		0.0284	0.105	1.05	02/12/2024 22:49	WG2224398
Fluorene	U		0.0177	0.0525	1.05	02/12/2024 22:49	WG2224398
Indeno(1,2,3-cd)pyrene	U		0.0166	0.0525	1.05	02/12/2024 22:49	WG2224398
Naphthalene	U		0.0963	0.263	1.05	02/12/2024 22:49	WG2224398

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	0.0304	J	0.0189	0.0525	1.05	02/12/2024 22:49	WG2224398
Pyrene	U		0.0177	0.0525	1.05	02/12/2024 22:49	WG2224398
1-Methylnaphthalene	U		0.0721	0.263	1.05	02/12/2024 22:49	WG2224398
2-Methylnaphthalene	U		0.0708	0.263	1.05	02/12/2024 22:49	WG2224398
2-Chloronaphthalene	U		0.0716	0.263	1.05	02/12/2024 22:49	WG2224398
(S) Nitrobenzene-d5	92.4			31.0-160		02/12/2024 22:49	WG2224398
(S) 2-Fluorobiphenyl	89.0			48.0-148		02/12/2024 22:49	WG2224398
(S) p-Terphenyl-d14	81.4			37.0-146		02/12/2024 22:49	WG2224398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/15/2024 14:22	WG2224199

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	71.6	B J	31.6	100	1	02/14/2024 04:22	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	90.6			78.0-120		02/14/2024 04:22	WG2225769

3
Ss

4
Cn

5
Sr

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	11.6	J	11.3	50.0	1	02/11/2024 21:40	WG2224360
Acrolein	U	C3	2.54	50.0	1	02/11/2024 21:40	WG2224360
Acrylonitrile	U		0.671	10.0	1	02/11/2024 21:40	WG2224360
Benzene	U		0.0941	1.00	1	02/11/2024 21:40	WG2224360
Bromobenzene	U		0.118	1.00	1	02/11/2024 21:40	WG2224360
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 21:40	WG2224360
Bromoform	U		0.129	1.00	1	02/11/2024 21:40	WG2224360
Bromomethane	U		0.605	5.00	1	02/11/2024 21:40	WG2224360
n-Butylbenzene	U		0.157	1.00	1	02/11/2024 21:40	WG2224360
sec-Butylbenzene	U		0.125	1.00	1	02/11/2024 21:40	WG2224360
tert-Butylbenzene	U		0.127	1.00	1	02/11/2024 21:40	WG2224360
Carbon disulfide	U		0.0962	1.00	1	02/11/2024 21:40	WG2224360
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 21:40	WG2224360
Chlorobenzene	U		0.116	1.00	1	02/11/2024 21:40	WG2224360
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 21:40	WG2224360
Chloroethane	U		0.192	5.00	1	02/11/2024 21:40	WG2224360
Chloroform	U		0.111	5.00	1	02/11/2024 21:40	WG2224360
Chloromethane	U		0.960	2.50	1	02/11/2024 21:40	WG2224360
2-Chlorotoluene	U		0.106	1.00	1	02/11/2024 21:40	WG2224360
4-Chlorotoluene	U		0.114	1.00	1	02/11/2024 21:40	WG2224360
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2024 21:40	WG2224360
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 21:40	WG2224360
Dibromomethane	U		0.122	1.00	1	02/11/2024 21:40	WG2224360
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 21:40	WG2224360
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 21:40	WG2224360
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 21:40	WG2224360
Dichlorodifluoromethane	U		0.374	5.00	1	02/11/2024 21:40	WG2224360
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 21:40	WG2224360
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 21:40	WG2224360
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 21:40	WG2224360
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 21:40	WG2224360
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 21:40	WG2224360
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 21:40	WG2224360
1,1-Dichloropropene	U		0.142	1.00	1	02/11/2024 21:40	WG2224360
1,3-Dichloropropane	U		0.110	1.00	1	02/11/2024 21:40	WG2224360
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 21:40	WG2224360
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 21:40	WG2224360
2,2-Dichloropropane	U		0.161	1.00	1	02/11/2024 21:40	WG2224360
Di-isopropyl ether	U		0.105	1.00	1	02/11/2024 21:40	WG2224360
Ethylbenzene	U		0.137	1.00	1	02/11/2024 21:40	WG2224360
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	02/11/2024 21:40	WG2224360
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 21:40	WG2224360
p-Isopropyltoluene	U		0.120	1.00	1	02/11/2024 21:40	WG2224360

6
Qc

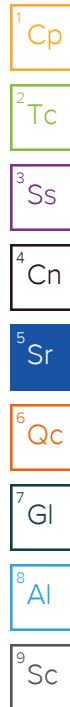
7
Gl

8
Al

9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 21:40	WG2224360
Methylene Chloride	U		0.430	5.00	1	02/11/2024 21:40	WG2224360
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 21:40	WG2224360
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 21:40	WG2224360
Naphthalene	U		1.00	5.00	1	02/11/2024 21:40	WG2224360
n-Propylbenzene	U		0.0993	1.00	1	02/11/2024 21:40	WG2224360
Styrene	U		0.118	1.00	1	02/11/2024 21:40	WG2224360
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/11/2024 21:40	WG2224360
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 21:40	WG2224360
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 21:40	WG2224360
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 21:40	WG2224360
Toluene	U		0.278	1.00	1	02/11/2024 21:40	WG2224360
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2024 21:40	WG2224360
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2024 21:40	WG2224360
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 21:40	WG2224360
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 21:40	WG2224360
Trichloroethene	U		0.190	1.00	1	02/11/2024 21:40	WG2224360
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 21:40	WG2224360
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2024 21:40	WG2224360
1,2,4-Trimethylbenzene	0.380	1J	0.322	1.00	1	02/11/2024 21:40	WG2224360
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 21:40	WG2224360
1,3,5-Trimethylbenzene	0.129	1J	0.104	1.00	1	02/11/2024 21:40	WG2224360
Vinyl chloride	U		0.234	1.00	1	02/11/2024 21:40	WG2224360
Xylenes, Total	0.426	1J	0.174	3.00	1	02/11/2024 21:40	WG2224360
(S) Toluene-d8	102			80.0-120		02/11/2024 21:40	WG2224360
(S) 4-Bromofluorobenzene	101			77.0-126		02/11/2024 21:40	WG2224360
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		02/11/2024 21:40	WG2224360



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)	209		44.0	132	1.32	02/14/2024 10:36	WG2224397
Residual Range Organics (RRO)	482		110	330	1.32	02/14/2024 10:36	WG2224397
(S) o-Terphenyl	7.30	J2		31.0-160		02/14/2024 10:36	WG2224397

Sample Narrative:

L1704331-13 WG2224397: Sample produced emulsion during Extraction process, low surr due to matrix and does not resemble std

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		0.0211	0.0555	1.11	02/12/2024 22:31	WG2224398
Acenaphthene	U		0.0211	0.0555	1.11	02/12/2024 22:31	WG2224398
Acenaphthylene	U		0.0190	0.0555	1.11	02/12/2024 22:31	WG2224398
Benzo(a)anthracene	U		0.0225	0.0555	1.11	02/12/2024 22:31	WG2224398
Benzo(a)pyrene	U		0.0204	0.0555	1.11	02/12/2024 22:31	WG2224398
Benzo(b)fluoranthene	U		0.0186	0.0555	1.11	02/12/2024 22:31	WG2224398
Benzo(g,h,i)perylene	U		0.0204	0.0555	1.11	02/12/2024 22:31	WG2224398
Benzo(k)fluoranthene	U		0.0224	0.0555	1.11	02/12/2024 22:31	WG2224398
Chrysene	U		0.0199	0.0555	1.11	02/12/2024 22:31	WG2224398
Dibenz(a,h)anthracene	U		0.0178	0.0555	1.11	02/12/2024 22:31	WG2224398
Fluoranthene	U		0.0300	0.111	1.11	02/12/2024 22:31	WG2224398
Fluorene	U		0.0188	0.0555	1.11	02/12/2024 22:31	WG2224398
Indeno(1,2,3-cd)pyrene	U		0.0175	0.0555	1.11	02/12/2024 22:31	WG2224398
Naphthalene	U		0.102	0.278	1.11	02/12/2024 22:31	WG2224398

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	0.0380	J	0.0200	0.0555	1.11	02/12/2024 22:31	WG2224398
Pyrene	U		0.0188	0.0555	1.11	02/12/2024 22:31	WG2224398
1-Methylnaphthalene	U		0.0763	0.278	1.11	02/12/2024 22:31	WG2224398
2-Methylnaphthalene	U		0.0748	0.278	1.11	02/12/2024 22:31	WG2224398
2-Chloronaphthalene	U		0.0757	0.278	1.11	02/12/2024 22:31	WG2224398
(S) Nitrobenzene-d5	82.4			31.0-160		02/12/2024 22:31	WG2224398
(S) 2-Fluorobiphenyl	82.9			48.0-148		02/12/2024 22:31	WG2224398
(S) p-Terphenyl-d14	75.7			37.0-146		02/12/2024 22:31	WG2224398

Sample Narrative:

L1704331-13 WG2224398: Dilution due to matrix impact during extraction procedure

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	86.7		1	02/13/2024 10:04	WG2224465

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	2.57	B J	1.15	3.39	25	02/13/2024 06:06	WG2224955
(S) a,a,a-Trifluorotoluene(FID)	94.8			77.0-120		02/13/2024 06:06	WG2224955

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		0.0494	0.0677	1	02/14/2024 03:59	WG2225767
Acrylonitrile	U		0.00489	0.0169	1	02/14/2024 03:59	WG2225767
Benzene	U		0.000633	0.00135	1	02/14/2024 03:59	WG2225767
Bromobenzene	U		0.00122	0.0169	1	02/14/2024 03:59	WG2225767
Bromodichloromethane	U		0.000982	0.00339	1	02/14/2024 03:59	WG2225767
Bromoform	U		0.00158	0.0339	1	02/14/2024 03:59	WG2225767
Bromomethane	U		0.00267	0.0169	1	02/14/2024 03:59	WG2225767
n-Butylbenzene	U		0.00711	0.0169	1	02/14/2024 03:59	WG2225767
sec-Butylbenzene	U		0.00390	0.0169	1	02/14/2024 03:59	WG2225767
tert-Butylbenzene	U		0.00264	0.00677	1	02/14/2024 03:59	WG2225767
Carbon disulfide	U		0.000948	0.0169	1	02/14/2024 03:59	WG2225767
Carbon tetrachloride	U		0.00122	0.00677	1	02/14/2024 03:59	WG2225767
Chlorobenzene	U		0.000284	0.00339	1	02/14/2024 03:59	WG2225767
Chlorodibromomethane	U		0.000829	0.00339	1	02/14/2024 03:59	WG2225767
Chloroethane	U		0.00230	0.00677	1	02/14/2024 03:59	WG2225767
Chloroform	U		0.00140	0.00339	1	02/14/2024 03:59	WG2225767
Chloromethane	U		0.00589	0.0169	1	02/14/2024 03:59	WG2225767
2-Chlorotoluene	U		0.00117	0.00339	1	02/14/2024 03:59	WG2225767
4-Chlorotoluene	U		0.000610	0.00677	1	02/14/2024 03:59	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00528	0.0339	1	02/14/2024 03:59	WG2225767
1,2-Dibromoethane	U		0.000878	0.00339	1	02/14/2024 03:59	WG2225767
Dibromomethane	U		0.00102	0.00677	1	02/14/2024 03:59	WG2225767
1,2-Dichlorobenzene	U		0.000576	0.00677	1	02/14/2024 03:59	WG2225767
1,3-Dichlorobenzene	U		0.000813	0.00677	1	02/14/2024 03:59	WG2225767
1,4-Dichlorobenzene	U		0.000948	0.00677	1	02/14/2024 03:59	WG2225767
Dichlorodifluoromethane	U		0.00218	0.00677	1	02/14/2024 03:59	WG2225767
1,1-Dichloroethane	U		0.000665	0.00339	1	02/14/2024 03:59	WG2225767
1,2-Dichloroethane	U		0.000879	0.00339	1	02/14/2024 03:59	WG2225767
1,1-Dichloroethene	U		0.000821	0.00339	1	02/14/2024 03:59	WG2225767
cis-1,2-Dichloroethene	U		0.000994	0.00339	1	02/14/2024 03:59	WG2225767
trans-1,2-Dichloroethene	U		0.00141	0.00677	1	02/14/2024 03:59	WG2225767
1,2-Dichloropropane	U		0.00192	0.00677	1	02/14/2024 03:59	WG2225767
1,1-Dichloropropene	U		0.00110	0.00339	1	02/14/2024 03:59	WG2225767
1,3-Dichloropropane	U		0.000679	0.00677	1	02/14/2024 03:59	WG2225767
cis-1,3-Dichloropropene	U		0.00103	0.00339	1	02/14/2024 03:59	WG2225767
trans-1,3-Dichloropropene	U		0.00154	0.00677	1	02/14/2024 03:59	WG2225767
2,2-Dichloropropane	U		0.00187	0.00339	1	02/14/2024 03:59	WG2225767
Di-isopropyl ether	U		0.000555	0.00135	1	02/14/2024 03:59	WG2225767
Ethylbenzene	U		0.000998	0.00339	1	02/14/2024 03:59	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00813	0.0339	1	02/14/2024 03:59	WG2225767
Isopropylbenzene	U		0.000576	0.00339	1	02/14/2024 03:59	WG2225767
p-Isopropyltoluene	U		0.00345	0.00677	1	02/14/2024 03:59	WG2225767
2-Butanone (MEK)	U		0.0860	0.135	1	02/14/2024 03:59	WG2225767
Methylene Chloride	U		0.00899	0.0339	1	02/14/2024 03:59	WG2225767

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

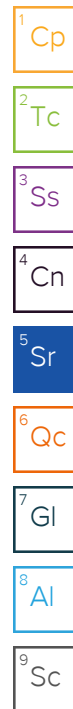
7 Gl

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
4-Methyl-2-pentanone (MIBK)	U		0.00309	0.0339	1	02/14/2024 03:59	WG2225767
Methyl tert-butyl ether	U		0.000474	0.00135	1	02/14/2024 03:59	WG2225767
Naphthalene	U		0.00661	0.0169	1	02/14/2024 03:59	WG2225767
n-Propylbenzene	U		0.00129	0.00677	1	02/14/2024 03:59	WG2225767
Styrene	U		0.000310	0.0169	1	02/14/2024 03:59	WG2225767
1,1,1,2-Tetrachloroethane	U		0.00128	0.00339	1	02/14/2024 03:59	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000941	0.00339	1	02/14/2024 03:59	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00339	1	02/14/2024 03:59	WG2225767
Tetrachloroethene	U		0.00121	0.00339	1	02/14/2024 03:59	WG2225767
Toluene	U		0.00176	0.00677	1	02/14/2024 03:59	WG2225767
1,2,3-Trichlorobenzene	U		0.00993	0.0169	1	02/14/2024 03:59	WG2225767
1,2,4-Trichlorobenzene	U		0.00596	0.0169	1	02/14/2024 03:59	WG2225767
1,1,1-Trichloroethane	U		0.00125	0.00339	1	02/14/2024 03:59	WG2225767
1,1,2-Trichloroethane	U		0.000809	0.00339	1	02/14/2024 03:59	WG2225767
Trichloroethene	U		0.000791	0.00135	1	02/14/2024 03:59	WG2225767
Trichlorofluoromethane	U		0.00112	0.00339	1	02/14/2024 03:59	WG2225767
1,2,3-Trichloropropane	U		0.00219	0.0169	1	02/14/2024 03:59	WG2225767
1,2,4-Trimethylbenzene	U		0.00214	0.00677	1	02/14/2024 03:59	WG2225767
1,2,3-Trimethylbenzene	U		0.00214	0.00677	1	02/14/2024 03:59	WG2225767
1,3,5-Trimethylbenzene	U		0.00271	0.00677	1	02/14/2024 03:59	WG2225767
Vinyl chloride	U		0.00157	0.00339	1	02/14/2024 03:59	WG2225767
Xylenes, Total	0.00226	B J	0.00119	0.00881	1	02/14/2024 03:59	WG2225767
(S) Toluene-d8	98.3			75.0-131		02/14/2024 03:59	WG2225767
(S) 4-Bromofluorobenzene	103			67.0-138		02/14/2024 03:59	WG2225767
(S) 1,2-Dichloroethane-d4	81.2			70.0-130		02/14/2024 03:59	WG2225767



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)	U		1.53	4.62	1	02/13/2024 14:52	WG2224415
Residual Range Organics (RRO)	U		3.84	11.5	1	02/13/2024 14:52	WG2224415
(S) o-Terphenyl	45.6			18.0-148		02/13/2024 14:52	WG2224415

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		0.00265	0.00692	1	02/14/2024 04:46	WG2225033
Acenaphthene	U		0.00241	0.00692	1	02/14/2024 04:46	WG2225033
Acenaphthylene	0.00309	I U	0.00249	0.00692	1	02/14/2024 04:46	WG2225033
Benzo(a)anthracene	0.00388	I U	0.00200	0.00692	1	02/14/2024 04:46	WG2225033
Benzo(a)pyrene	0.0117		0.00207	0.00692	1	02/14/2024 04:46	WG2225033
Benzo(b)fluoranthene	0.0135		0.00177	0.00692	1	02/14/2024 04:46	WG2225033
Benzo(g,h,i)perylene	0.0173		0.00204	0.00692	1	02/14/2024 04:46	WG2225033
Benzo(k)fluoranthene	0.00411	I U	0.00248	0.00692	1	02/14/2024 04:46	WG2225033
Chrysene	0.0105		0.00268	0.00692	1	02/14/2024 04:46	WG2225033
Dibenz(a,h)anthracene	U		0.00198	0.00692	1	02/14/2024 04:46	WG2225033
Fluoranthene	0.0178		0.00262	0.00692	1	02/14/2024 04:46	WG2225033
Fluorene	U		0.00237	0.00692	1	02/14/2024 04:46	WG2225033
Indeno(1,2,3-cd)pyrene	0.0120		0.00209	0.00692	1	02/14/2024 04:46	WG2225033
Naphthalene	U		0.00471	0.0231	1	02/14/2024 04:46	WG2225033
Phenanthrene	0.00464	I U	0.00267	0.00692	1	02/14/2024 04:46	WG2225033
Pyrene	0.0270		0.00231	0.00692	1	02/14/2024 04:46	WG2225033
1-Methylnaphthalene	U		0.00518	0.0231	1	02/14/2024 04:46	WG2225033
2-Methylnaphthalene	U		0.00493	0.0231	1	02/14/2024 04:46	WG2225033
2-Chloronaphthalene	U		0.00538	0.0231	1	02/14/2024 04:46	WG2225033

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	88.1			23.0-120		02/14/2024 04:46	WG2225033
(S) Nitrobenzene-d5	79.4			14.0-149		02/14/2024 04:46	WG2225033
(S) 2-Fluorobiphenyl	94.5			34.0-125		02/14/2024 04:46	WG2225033

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	02/13/2024 10:04	WG2224465

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	2.86	B J	1.15	3.39	25	02/13/2024 14:40	WG2225287
(S) a,a,a-Trifluorotoluene(FID)	92.6			77.0-120		02/13/2024 14:40	WG2225287

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		0.0495	0.0678	1	02/14/2024 04:19	WG2225767
Acrylonitrile	U		0.00489	0.0169	1	02/14/2024 04:19	WG2225767
Benzene	0.000988	J	0.000633	0.00136	1	02/14/2024 04:19	WG2225767
Bromobenzene	U		0.00122	0.0169	1	02/14/2024 04:19	WG2225767
Bromodichloromethane	U		0.000983	0.00339	1	02/14/2024 04:19	WG2225767
Bromoform	U		0.00159	0.0339	1	02/14/2024 04:19	WG2225767
Bromomethane	U		0.00267	0.0169	1	02/14/2024 04:19	WG2225767
n-Butylbenzene	U		0.00712	0.0169	1	02/14/2024 04:19	WG2225767
sec-Butylbenzene	U		0.00390	0.0169	1	02/14/2024 04:19	WG2225767
tert-Butylbenzene	U		0.00264	0.00678	1	02/14/2024 04:19	WG2225767
Carbon disulfide	U		0.000949	0.0169	1	02/14/2024 04:19	WG2225767
Carbon tetrachloride	U		0.00122	0.00678	1	02/14/2024 04:19	WG2225767
Chlorobenzene	U		0.000285	0.00339	1	02/14/2024 04:19	WG2225767
Chlorodibromomethane	U		0.000830	0.00339	1	02/14/2024 04:19	WG2225767
Chloroethane	U		0.00230	0.00678	1	02/14/2024 04:19	WG2225767
Chloroform	U		0.00140	0.00339	1	02/14/2024 04:19	WG2225767
Chloromethane	U		0.00590	0.0169	1	02/14/2024 04:19	WG2225767
2-Chlorotoluene	U		0.00117	0.00339	1	02/14/2024 04:19	WG2225767
4-Chlorotoluene	U		0.000610	0.00678	1	02/14/2024 04:19	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00529	0.0339	1	02/14/2024 04:19	WG2225767
1,2-Dibromoethane	U		0.000878	0.00339	1	02/14/2024 04:19	WG2225767
Dibromomethane	U		0.00102	0.00678	1	02/14/2024 04:19	WG2225767
1,2-Dichlorobenzene	U		0.000576	0.00678	1	02/14/2024 04:19	WG2225767
1,3-Dichlorobenzene	U		0.000813	0.00678	1	02/14/2024 04:19	WG2225767
1,4-Dichlorobenzene	U		0.000949	0.00678	1	02/14/2024 04:19	WG2225767
Dichlorodifluoromethane	U		0.00218	0.00678	1	02/14/2024 04:19	WG2225767
1,1-Dichloroethane	U		0.000666	0.00339	1	02/14/2024 04:19	WG2225767
1,2-Dichloroethane	U		0.000880	0.00339	1	02/14/2024 04:19	WG2225767
1,1-Dichloroethene	U		0.000821	0.00339	1	02/14/2024 04:19	WG2225767
cis-1,2-Dichloroethene	U		0.000995	0.00339	1	02/14/2024 04:19	WG2225767
trans-1,2-Dichloroethene	U		0.00141	0.00678	1	02/14/2024 04:19	WG2225767
1,2-Dichloropropane	U		0.00192	0.00678	1	02/14/2024 04:19	WG2225767
1,1-Dichloropropene	U		0.00110	0.00339	1	02/14/2024 04:19	WG2225767
1,3-Dichloropropane	U		0.000679	0.00678	1	02/14/2024 04:19	WG2225767
cis-1,3-Dichloropropene	U		0.00103	0.00339	1	02/14/2024 04:19	WG2225767
trans-1,3-Dichloropropene	U		0.00155	0.00678	1	02/14/2024 04:19	WG2225767
2,2-Dichloropropane	U		0.00187	0.00339	1	02/14/2024 04:19	WG2225767
Di-isopropyl ether	U		0.000556	0.00136	1	02/14/2024 04:19	WG2225767
Ethylbenzene	U		0.000999	0.00339	1	02/14/2024 04:19	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00813	0.0339	1	02/14/2024 04:19	WG2225767
Isopropylbenzene	U		0.000576	0.00339	1	02/14/2024 04:19	WG2225767
p-Isopropyltoluene	U		0.00346	0.00678	1	02/14/2024 04:19	WG2225767
2-Butanone (MEK)	U		0.0861	0.136	1	02/14/2024 04:19	WG2225767
Methylene Chloride	U		0.00900	0.0339	1	02/14/2024 04:19	WG2225767

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
4-Methyl-2-pentanone (MIBK)	U		0.00309	0.0339	1	02/14/2024 04:19	WG2225767
Methyl tert-butyl ether	U		0.000474	0.00136	1	02/14/2024 04:19	WG2225767
Naphthalene	U		0.00661	0.0169	1	02/14/2024 04:19	WG2225767
n-Propylbenzene	U		0.00129	0.00678	1	02/14/2024 04:19	WG2225767
Styrene	U		0.000310	0.0169	1	02/14/2024 04:19	WG2225767
1,1,1,2-Tetrachloroethane	U		0.00128	0.00339	1	02/14/2024 04:19	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000942	0.00339	1	02/14/2024 04:19	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00339	1	02/14/2024 04:19	WG2225767
Tetrachloroethene	U		0.00121	0.00339	1	02/14/2024 04:19	WG2225767
Toluene	U		0.00176	0.00678	1	02/14/2024 04:19	WG2225767
1,2,3-Trichlorobenzene	U		0.00994	0.0169	1	02/14/2024 04:19	WG2225767
1,2,4-Trichlorobenzene	U		0.00596	0.0169	1	02/14/2024 04:19	WG2225767
1,1,1-Trichloroethane	U		0.00125	0.00339	1	02/14/2024 04:19	WG2225767
1,1,2-Trichloroethane	U		0.000809	0.00339	1	02/14/2024 04:19	WG2225767
Trichloroethene	U		0.000792	0.00136	1	02/14/2024 04:19	WG2225767
Trichlorofluoromethane	U		0.00112	0.00339	1	02/14/2024 04:19	WG2225767
1,2,3-Trichloropropane	U		0.00220	0.0169	1	02/14/2024 04:19	WG2225767
1,2,4-Trimethylbenzene	U		0.00214	0.00678	1	02/14/2024 04:19	WG2225767
1,2,3-Trimethylbenzene	U		0.00214	0.00678	1	02/14/2024 04:19	WG2225767
1,3,5-Trimethylbenzene	U		0.00271	0.00678	1	02/14/2024 04:19	WG2225767
Vinyl chloride	U		0.00157	0.00339	1	02/14/2024 04:19	WG2225767
Xylenes, Total	0.00302	B J	0.00119	0.00881	1	02/14/2024 04:19	WG2225767
<i>(S) Toluene-d8</i>	101			75.0-131		02/14/2024 04:19	WG2225767
<i>(S) 4-Bromofluorobenzene</i>	102			67.0-138		02/14/2024 04:19	WG2225767
<i>(S) 1,2-Dichloroethane-d4</i>	97.6			70.0-130		02/14/2024 04:19	WG2225767

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)	U		1.54	4.64	1	02/13/2024 11:37	WG2224720
Residual Range Organics (RRO)	U		3.86	11.6	1	02/13/2024 11:37	WG2224720
<i>(S) o-Terphenyl</i>	45.8			18.0-148		02/13/2024 11:37	WG2224720

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.2		1	02/13/2024 10:04	WG2224465

Metals (ICPMS) by Method 6020B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Lead	4.74		0.118	2.38	5	02/13/2024 15:46	WG2224085

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	1050		48.0	142	1000	02/15/2024 16:09	WG2226980
(S) a,a,a-Trifluorotoluene(FID)	95.7			77.0-120		02/15/2024 16:09	WG2226980

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		0.413	0.566	8	02/14/2024 05:38	WG2225767
Acrylonitrile	U		0.0409	0.142	8	02/14/2024 05:38	WG2225767
Benzene	U		0.00529	0.0113	8	02/14/2024 05:38	WG2225767
Bromobenzene	U		0.0102	0.142	8	02/14/2024 05:38	WG2225767
Bromodichloromethane	U		0.00821	0.0283	8	02/14/2024 05:38	WG2225767
Bromoform	U		0.0133	0.283	8	02/14/2024 05:38	WG2225767
Bromomethane	U		0.0224	0.142	8	02/14/2024 05:38	WG2225767
n-Butylbenzene	U		0.0595	0.142	8	02/14/2024 05:38	WG2225767
sec-Butylbenzene	U		0.0326	0.142	8	02/14/2024 05:38	WG2225767
tert-Butylbenzene	U		0.0221	0.0566	8	02/14/2024 05:38	WG2225767
Carbon disulfide	U		0.00793	0.142	8	02/14/2024 05:38	WG2225767
Carbon tetrachloride	U		0.0102	0.0566	8	02/14/2024 05:38	WG2225767
Chlorobenzene	U		0.00238	0.0283	8	02/14/2024 05:38	WG2225767
Chlorodibromomethane	U		0.00694	0.0283	8	02/14/2024 05:38	WG2225767
Chloroethane	U		0.0193	0.0566	8	02/14/2024 05:38	WG2225767
Chloroform	U		0.0117	0.0283	8	02/14/2024 05:38	WG2225767
Chloromethane	U		0.0493	0.142	8	02/14/2024 05:38	WG2225767
2-Chlorotoluene	U		0.00980	0.0283	8	02/14/2024 05:38	WG2225767
4-Chlorotoluene	U		0.00510	0.0566	8	02/14/2024 05:38	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.0442	0.283	8	02/14/2024 05:38	WG2225767
1,2-Dibromoethane	U		0.00733	0.0283	8	02/14/2024 05:38	WG2225767
Dibromomethane	U		0.00849	0.0566	8	02/14/2024 05:38	WG2225767
1,2-Dichlorobenzene	U		0.00481	0.0566	8	02/14/2024 05:38	WG2225767
1,3-Dichlorobenzene	U		0.00680	0.0566	8	02/14/2024 05:38	WG2225767
1,4-Dichlorobenzene	U		0.00793	0.0566	8	02/14/2024 05:38	WG2225767
Dichlorodifluoromethane	U		0.0183	0.0566	8	02/14/2024 05:38	WG2225767
1,1-Dichloroethane	U		0.00556	0.0283	8	02/14/2024 05:38	WG2225767
1,2-Dichloroethane	U		0.00735	0.0283	8	02/14/2024 05:38	WG2225767
1,1-Dichloroethene	U		0.00687	0.0283	8	02/14/2024 05:38	WG2225767
cis-1,2-Dichloroethene	U		0.00831	0.0283	8	02/14/2024 05:38	WG2225767
trans-1,2-Dichloroethene	U		0.0118	0.0566	8	02/14/2024 05:38	WG2225767
1,2-Dichloropropane	U		0.0161	0.0566	8	02/14/2024 05:38	WG2225767
1,1-Dichloropropene	U		0.00916	0.0283	8	02/14/2024 05:38	WG2225767
1,3-Dichloropropane	U		0.00568	0.0566	8	02/14/2024 05:38	WG2225767
cis-1,3-Dichloropropene	U		0.00858	0.0283	8	02/14/2024 05:38	WG2225767
trans-1,3-Dichloropropene	U		0.0129	0.0566	8	02/14/2024 05:38	WG2225767
2,2-Dichloropropane	U		0.0156	0.0283	8	02/14/2024 05:38	WG2225767
Di-isopropyl ether	U		0.00464	0.0113	8	02/14/2024 05:38	WG2225767

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

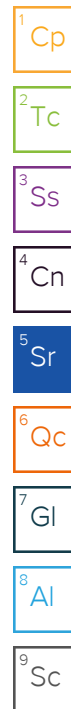
Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	3.38		0.00835	0.0283	8	02/14/2024 05:38	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.0680	0.283	8	02/14/2024 05:38	WG2225767
Isopropylbenzene	1.83		0.00481	0.0283	8	02/14/2024 05:38	WG2225767
p-Isopropyltoluene	0.702		0.0289	0.0566	8	02/14/2024 05:38	WG2225767
2-Butanone (MEK)	U		0.719	1.13	8	02/14/2024 05:38	WG2225767
Methylene Chloride	U		0.0752	0.283	8	02/14/2024 05:38	WG2225767
4-Methyl-2-pentanone (MIBK)	U		0.0258	0.283	8	02/14/2024 05:38	WG2225767
Methyl tert-butyl ether	U		0.00396	0.0113	8	02/14/2024 05:38	WG2225767
Naphthalene	3.55		0.0552	0.142	8	02/14/2024 05:38	WG2225767
n-Propylbenzene	6.02		0.0108	0.0566	8	02/14/2024 05:38	WG2225767
Styrene	U		0.00259	0.142	8	02/14/2024 05:38	WG2225767
1,1,1,2-Tetrachloroethane	U		0.0107	0.0283	8	02/14/2024 05:38	WG2225767
1,1,2,2-Tetrachloroethane	U		0.00787	0.0283	8	02/14/2024 05:38	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00854	0.0283	8	02/14/2024 05:38	WG2225767
Tetrachloroethene	U		0.0102	0.0283	8	02/14/2024 05:38	WG2225767
Toluene	U		0.0147	0.0566	8	02/14/2024 05:38	WG2225767
1,2,3-Trichlorobenzene	U		0.0830	0.142	8	02/14/2024 05:38	WG2225767
1,2,4-Trichlorobenzene	U		0.0498	0.142	8	02/14/2024 05:38	WG2225767
1,1,1-Trichloroethane	U		0.0104	0.0283	8	02/14/2024 05:38	WG2225767
1,1,2-Trichloroethane	U		0.00677	0.0283	8	02/14/2024 05:38	WG2225767
Trichloroethene	U		0.00661	0.0113	8	02/14/2024 05:38	WG2225767
Trichlorofluoromethane	U		0.00937	0.0283	8	02/14/2024 05:38	WG2225767
1,2,3-Trichloropropane	U		0.0184	0.142	8	02/14/2024 05:38	WG2225767
1,2,4-Trimethylbenzene	30.7		0.178	0.566	80	02/15/2024 02:27	WG2226333
1,2,3-Trimethylbenzene	8.17		0.0178	0.0566	8	02/14/2024 05:38	WG2225767
1,3,5-Trimethylbenzene	8.61		0.0227	0.0566	8	02/14/2024 05:38	WG2225767
Vinyl chloride	U		0.0131	0.0283	8	02/14/2024 05:38	WG2225767
Xylenes, Total	5.83		0.00997	0.0736	8	02/14/2024 05:38	WG2225767
(S) Toluene-d8	97.8			75.0-131		02/14/2024 05:38	WG2225767
(S) Toluene-d8	93.8			75.0-131		02/15/2024 02:27	WG2226333
(S) 4-Bromofluorobenzene	100			67.0-138		02/14/2024 05:38	WG2225767
(S) 4-Bromofluorobenzene	96.9			67.0-138		02/15/2024 02:27	WG2226333
(S) 1,2-Dichloroethane-d4	86.5			70.0-130		02/14/2024 05:38	WG2225767
(S) 1,2-Dichloroethane-d4	95.5			70.0-130		02/15/2024 02:27	WG2226333

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)	2.54	J	1.58	4.75	1	02/13/2024 09:12	WG2224720
Residual Range Organics (RRO)	U		3.96	11.9	1	02/13/2024 09:12	WG2224720
(S) o-Terphenyl	36.6			18.0-148		02/13/2024 09:12	WG2224720

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		0.00273	0.00713	1	02/14/2024 05:04	WG2225033
Acenaphthene	U		0.00248	0.00713	1	02/14/2024 05:04	WG2225033
Acenaphthylene	U		0.00257	0.00713	1	02/14/2024 05:04	WG2225033
Benzo(a)anthracene	U		0.00206	0.00713	1	02/14/2024 05:04	WG2225033
Benzo(a)pyrene	U		0.00213	0.00713	1	02/14/2024 05:04	WG2225033
Benzo(b)fluoranthene	U		0.00182	0.00713	1	02/14/2024 05:04	WG2225033
Benzo(g,h,i)perylene	U		0.00210	0.00713	1	02/14/2024 05:04	WG2225033
Benzo(k)fluoranthene	U		0.00255	0.00713	1	02/14/2024 05:04	WG2225033
Chrysene	U		0.00276	0.00713	1	02/14/2024 05:04	WG2225033
Dibenz(a,h)anthracene	U		0.00204	0.00713	1	02/14/2024 05:04	WG2225033



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	U		0.00270	0.00713	1	02/14/2024 05:04	WG2225033
Fluorene	U		0.00244	0.00713	1	02/14/2024 05:04	WG2225033
Indeno(1,2,3-cd)pyrene	U		0.00215	0.00713	1	02/14/2024 05:04	WG2225033
Naphthalene	0.162		0.00485	0.0238	1	02/14/2024 05:04	WG2225033
Phenanthrene	U		0.00274	0.00713	1	02/14/2024 05:04	WG2225033
Pyrene	U		0.00238	0.00713	1	02/14/2024 05:04	WG2225033
1-Methylnaphthalene	0.0769		0.00533	0.0238	1	02/14/2024 05:04	WG2225033
2-Methylnaphthalene	0.170		0.00507	0.0238	1	02/14/2024 05:04	WG2225033
2-Chloronaphthalene	U		0.00554	0.0238	1	02/14/2024 05:04	WG2225033
(S) p-Terphenyl-d14	68.0			23.0-120		02/14/2024 05:04	WG2225033
(S) Nitrobenzene-d5	69.7			14.0-149		02/14/2024 05:04	WG2225033
(S) 2-Fluorobiphenyl	65.0			34.0-125		02/14/2024 05:04	WG2225033

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	82.9		1	02/13/2024 10:04	WG2224465

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	1880		24.7	73.0	500	02/13/2024 20:47	WG2225287
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		02/13/2024 20:47	WG2225287

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		2.13	2.92	40	02/14/2024 05:58	WG2225767
Acrylonitrile	U		0.210	0.730	40	02/14/2024 05:58	WG2225767
Benzene	U		0.0273	0.0584	40	02/14/2024 05:58	WG2225767
Bromobenzene	U		0.0526	0.730	40	02/14/2024 05:58	WG2225767
Bromodichloromethane	U		0.0423	0.146	40	02/14/2024 05:58	WG2225767
Bromoform	U		0.0683	1.46	40	02/14/2024 05:58	WG2225767
Bromomethane	U		0.115	0.730	40	02/14/2024 05:58	WG2225767
n-Butylbenzene	U		0.307	0.730	40	02/14/2024 05:58	WG2225767
sec-Butylbenzene	1.93		0.168	0.730	40	02/14/2024 05:58	WG2225767
tert-Butylbenzene	U		0.114	0.292	40	02/14/2024 05:58	WG2225767
Carbon disulfide	U		0.0409	0.730	40	02/14/2024 05:58	WG2225767
Carbon tetrachloride	U		0.0524	0.292	40	02/14/2024 05:58	WG2225767
Chlorobenzene	U		0.0123	0.146	40	02/14/2024 05:58	WG2225767
Chlorodibromomethane	U		0.0358	0.146	40	02/14/2024 05:58	WG2225767
Chloroethane	U		0.0993	0.292	40	02/14/2024 05:58	WG2225767
Chloroform	U		0.0602	0.146	40	02/14/2024 05:58	WG2225767
Chloromethane	U		0.254	0.730	40	02/14/2024 05:58	WG2225767
2-Chlorotoluene	U		0.0505	0.146	40	02/14/2024 05:58	WG2225767
4-Chlorotoluene	U		0.0263	0.292	40	02/14/2024 05:58	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.228	1.46	40	02/14/2024 05:58	WG2225767
1,2-Dibromoethane	U		0.0378	0.146	40	02/14/2024 05:58	WG2225767
Dibromomethane	U		0.0438	0.292	40	02/14/2024 05:58	WG2225767
1,2-Dichlorobenzene	U		0.0248	0.292	40	02/14/2024 05:58	WG2225767
1,3-Dichlorobenzene	U		0.0350	0.292	40	02/14/2024 05:58	WG2225767
1,4-Dichlorobenzene	U		0.0409	0.292	40	02/14/2024 05:58	WG2225767
Dichlorodifluoromethane	U		0.0940	0.292	40	02/14/2024 05:58	WG2225767
1,1-Dichloroethane	U		0.0286	0.146	40	02/14/2024 05:58	WG2225767
1,2-Dichloroethane	U		0.0380	0.146	40	02/14/2024 05:58	WG2225767
1,1-Dichloroethene	U		0.0353	0.146	40	02/14/2024 05:58	WG2225767
cis-1,2-Dichloroethene	U		0.0429	0.146	40	02/14/2024 05:58	WG2225767
trans-1,2-Dichloroethene	U		0.0607	0.292	40	02/14/2024 05:58	WG2225767
1,2-Dichloropropane	U		0.0829	0.292	40	02/14/2024 05:58	WG2225767
1,1-Dichloropropene	U		0.0473	0.146	40	02/14/2024 05:58	WG2225767
1,3-Dichloropropane	U		0.0292	0.292	40	02/14/2024 05:58	WG2225767
cis-1,3-Dichloropropene	U		0.0442	0.146	40	02/14/2024 05:58	WG2225767
trans-1,3-Dichloropropene	U		0.0666	0.292	40	02/14/2024 05:58	WG2225767
2,2-Dichloropropane	U		0.0806	0.146	40	02/14/2024 05:58	WG2225767
Di-isopropyl ether	U		0.0239	0.0584	40	02/14/2024 05:58	WG2225767
Ethylbenzene	5.07		0.0431	0.146	40	02/14/2024 05:58	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.350	1.46	40	02/14/2024 05:58	WG2225767
Isopropylbenzene	2.73		0.0248	0.146	40	02/14/2024 05:58	WG2225767
p-Isopropyltoluene	1.06		0.149	0.292	40	02/14/2024 05:58	WG2225767
2-Butanone (MEK)	U		3.71	5.84	40	02/14/2024 05:58	WG2225767
Methylene Chloride	U		0.388	1.46	40	02/14/2024 05:58	WG2225767

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		0.133	1.46	40	02/14/2024 05:58	WG2225767
Methyl tert-butyl ether	U		0.0204	0.0584	40	02/14/2024 05:58	WG2225767
Naphthalene	4.19		0.285	0.730	40	02/14/2024 05:58	WG2225767
n-Propylbenzene	9.16		0.0555	0.292	40	02/14/2024 05:58	WG2225767
Styrene	U		0.0134	0.730	40	02/14/2024 05:58	WG2225767
1,1,1,2-Tetrachloroethane	U		0.0553	0.146	40	02/14/2024 05:58	WG2225767
1,1,2,2-Tetrachloroethane	U		0.0406	0.146	40	02/14/2024 05:58	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.0441	0.146	40	02/14/2024 05:58	WG2225767
Tetrachloroethene	U		0.0523	0.146	40	02/14/2024 05:58	WG2225767
Toluene	U		0.0759	0.292	40	02/14/2024 05:58	WG2225767
1,2,3-Trichlorobenzene	U		0.428	0.730	40	02/14/2024 05:58	WG2225767
1,2,4-Trichlorobenzene	U		0.257	0.730	40	02/14/2024 05:58	WG2225767
1,1,1-Trichloroethane	U		0.0539	0.146	40	02/14/2024 05:58	WG2225767
1,1,2-Trichloroethane	U		0.0349	0.146	40	02/14/2024 05:58	WG2225767
Trichloroethene	U		0.0342	0.0584	40	02/14/2024 05:58	WG2225767
Trichlorofluoromethane	U		0.0483	0.146	40	02/14/2024 05:58	WG2225767
1,2,3-Trichloropropane	U		0.0946	0.730	40	02/14/2024 05:58	WG2225767
1,2,4-Trimethylbenzene	53.2		0.0923	0.292	40	02/14/2024 05:58	WG2225767
1,2,3-Trimethylbenzene	11.4		0.0923	0.292	40	02/14/2024 05:58	WG2225767
1,3,5-Trimethylbenzene	9.55		0.117	0.292	40	02/14/2024 05:58	WG2225767
Vinyl chloride	U		0.0678	0.146	40	02/14/2024 05:58	WG2225767
Xylenes, Total	8.88		0.0514	0.380	40	02/14/2024 05:58	WG2225767
(S) Toluene-d8	101			75.0-131		02/14/2024 05:58	WG2225767
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/14/2024 05:58	WG2225767
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/14/2024 05:58	WG2225767

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)	9.24		1.61	4.83	1	02/13/2024 08:45	WG2224720
Residual Range Organics (RRO)	U		4.02	12.1	1	02/13/2024 08:45	WG2224720
(S) o-Terphenyl	40.2			18.0-148		02/13/2024 08:45	WG2224720

Sample Narrative:

L1704331-18 WG2224720: Sample resembles laboratory standard for Mineral Spirits

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		0.00278	0.00724	1	02/14/2024 05:22	WG2225033
Acenaphthene	U		0.00252	0.00724	1	02/14/2024 05:22	WG2225033
Acenaphthylene	U		0.00261	0.00724	1	02/14/2024 05:22	WG2225033
Benzo(a)anthracene	U		0.00209	0.00724	1	02/14/2024 05:22	WG2225033
Benzo(a)pyrene	U		0.00216	0.00724	1	02/14/2024 05:22	WG2225033
Benzo(b)fluoranthene	U		0.00185	0.00724	1	02/14/2024 05:22	WG2225033
Benzo(g,h,i)perylene	U		0.00214	0.00724	1	02/14/2024 05:22	WG2225033
Benzo(k)fluoranthene	U		0.00259	0.00724	1	02/14/2024 05:22	WG2225033
Chrysene	U		0.00280	0.00724	1	02/14/2024 05:22	WG2225033
Dibenz(a,h)anthracene	U		0.00208	0.00724	1	02/14/2024 05:22	WG2225033
Fluoranthene	U		0.00274	0.00724	1	02/14/2024 05:22	WG2225033
Fluorene	U		0.00247	0.00724	1	02/14/2024 05:22	WG2225033
Indeno(1,2,3-cd)pyrene	U		0.00218	0.00724	1	02/14/2024 05:22	WG2225033
Naphthalene	0.165		0.00492	0.0241	1	02/14/2024 05:22	WG2225033
Phenanthrene	U		0.00279	0.00724	1	02/14/2024 05:22	WG2225033
Pyrene	U		0.00241	0.00724	1	02/14/2024 05:22	WG2225033

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
1-Methylnaphthalene	0.115		0.00542	0.0241	1	02/14/2024 05:22	WG2225033
2-Methylnaphthalene	0.252		0.00515	0.0241	1	02/14/2024 05:22	WG2225033
2-Chloronaphthalene	U		0.00562	0.0241	1	02/14/2024 05:22	WG2225033
(S) p-Terphenyl-d14	75.2			23.0-120		02/14/2024 05:22	WG2225033
(S) Nitrobenzene-d5	69.0			14.0-149		02/14/2024 05:22	WG2225033
(S) 2-Fluorobiphenyl	63.9			34.0-125		02/14/2024 05:22	WG2225033

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/15/2024 14:25	WG2224199

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	781	B	63.2	200	2	02/14/2024 04:47	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	95.0			78.0-120		02/14/2024 04:47	WG2225769

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		22.6	100	2	02/15/2024 11:10	WG2226409
Acrolein	U		5.08	100	2	02/15/2024 11:10	WG2226409
Acrylonitrile	U		1.34	20.0	2	02/15/2024 11:10	WG2226409
Benzene	U		0.188	2.00	2	02/15/2024 11:10	WG2226409
Bromobenzene	U		0.236	2.00	2	02/15/2024 11:10	WG2226409
Bromodichloromethane	U		0.272	2.00	2	02/15/2024 11:10	WG2226409
Bromoform	U		0.258	2.00	2	02/15/2024 11:10	WG2226409
Bromomethane	U	C3 J3	1.21	10.0	2	02/15/2024 11:10	WG2226409
n-Butylbenzene	U		0.314	2.00	2	02/15/2024 11:10	WG2226409
sec-Butylbenzene	0.833	J	0.250	2.00	2	02/15/2024 11:10	WG2226409
tert-Butylbenzene	U		0.254	2.00	2	02/15/2024 11:10	WG2226409
Carbon disulfide	U		0.192	2.00	2	02/15/2024 11:10	WG2226409
Carbon tetrachloride	U		0.256	2.00	2	02/15/2024 11:10	WG2226409
Chlorobenzene	U		0.232	2.00	2	02/15/2024 11:10	WG2226409
Chlorodibromomethane	U	J4	0.280	2.00	2	02/15/2024 11:10	WG2226409
Chloroethane	U		0.384	10.0	2	02/15/2024 11:10	WG2226409
Chloroform	U		0.222	10.0	2	02/15/2024 11:10	WG2226409
Chloromethane	U		1.92	5.00	2	02/15/2024 11:10	WG2226409
2-Chlorotoluene	U		0.212	2.00	2	02/15/2024 11:10	WG2226409
4-Chlorotoluene	U		0.228	2.00	2	02/15/2024 11:10	WG2226409
1,2-Dibromo-3-Chloropropane	U	C3	0.552	10.0	2	02/15/2024 11:10	WG2226409
1,2-Dibromoethane	U		0.252	2.00	2	02/15/2024 11:10	WG2226409
Dibromomethane	U		0.244	2.00	2	02/15/2024 11:10	WG2226409
1,2-Dichlorobenzene	U		0.214	2.00	2	02/15/2024 11:10	WG2226409
1,3-Dichlorobenzene	U		0.220	2.00	2	02/15/2024 11:10	WG2226409
1,4-Dichlorobenzene	U		0.240	2.00	2	02/15/2024 11:10	WG2226409
Dichlorodifluoromethane	U		0.748	10.0	2	02/15/2024 11:10	WG2226409
1,1-Dichloroethane	U		0.200	2.00	2	02/15/2024 11:10	WG2226409
1,2-Dichloroethane	U		0.164	2.00	2	02/15/2024 11:10	WG2226409
1,1-Dichloroethene	U		0.376	2.00	2	02/15/2024 11:10	WG2226409
cis-1,2-Dichloroethene	U		0.252	2.00	2	02/15/2024 11:10	WG2226409
trans-1,2-Dichloroethene	U		0.298	2.00	2	02/15/2024 11:10	WG2226409
1,2-Dichloropropane	U		0.298	2.00	2	02/15/2024 11:10	WG2226409
1,1-Dichloropropene	U		0.284	2.00	2	02/15/2024 11:10	WG2226409
1,3-Dichloropropane	U		0.220	2.00	2	02/15/2024 11:10	WG2226409
cis-1,3-Dichloropropene	U		0.222	2.00	2	02/15/2024 11:10	WG2226409
trans-1,3-Dichloropropene	U		0.236	2.00	2	02/15/2024 11:10	WG2226409
2,2-Dichloropropane	U		0.322	2.00	2	02/15/2024 11:10	WG2226409
Di-isopropyl ether	U		0.210	2.00	2	02/15/2024 11:10	WG2226409
Ethylbenzene	11.0		0.274	2.00	2	02/15/2024 11:10	WG2226409
Hexachloro-1,3-butadiene	U		0.674	2.00	2	02/15/2024 11:10	WG2226409
Isopropylbenzene	2.45		0.210	2.00	2	02/15/2024 11:10	WG2226409
p-Isopropyltoluene	U		0.240	2.00	2	02/15/2024 11:10	WG2226409

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		2.38	20.0	2	02/15/2024 11:10	WG2226409
Methylene Chloride	U		0.860	10.0	2	02/15/2024 11:10	WG2226409
4-Methyl-2-pentanone (MIBK)	U		0.956	20.0	2	02/15/2024 11:10	WG2226409
Methyl tert-butyl ether	U		0.202	2.00	2	02/15/2024 11:10	WG2226409
Naphthalene	U		2.00	10.0	2	02/15/2024 11:10	WG2226409
n-Propylbenzene	5.28		0.199	2.00	2	02/15/2024 11:10	WG2226409
Styrene	U		0.236	2.00	2	02/15/2024 11:10	WG2226409
1,1,1,2-Tetrachloroethane	U		0.294	2.00	2	02/15/2024 11:10	WG2226409
1,1,2,2-Tetrachloroethane	U		0.266	2.00	2	02/15/2024 11:10	WG2226409
1,1,2-Trichlorotrifluoroethane	U		0.360	2.00	2	02/15/2024 11:10	WG2226409
Tetrachloroethene	U		0.600	2.00	2	02/15/2024 11:10	WG2226409
Toluene	U		0.556	2.00	2	02/15/2024 11:10	WG2226409
1,2,3-Trichlorobenzene	U	J3	0.460	2.00	2	02/15/2024 11:10	WG2226409
1,2,4-Trichlorobenzene	U		0.962	2.00	2	02/15/2024 11:10	WG2226409
1,1,1-Trichloroethane	U		0.298	2.00	2	02/15/2024 11:10	WG2226409
1,1,2-Trichloroethane	U		0.316	2.00	2	02/15/2024 11:10	WG2226409
Trichloroethene	U		0.380	2.00	2	02/15/2024 11:10	WG2226409
Trichlorofluoromethane	U		0.320	10.0	2	02/15/2024 11:10	WG2226409
1,2,3-Trichloropropane	U		0.474	5.00	2	02/15/2024 11:10	WG2226409
1,2,4-Trimethylbenzene	36.1		0.644	2.00	2	02/15/2024 11:10	WG2226409
1,2,3-Trimethylbenzene	8.34		0.208	2.00	2	02/15/2024 11:10	WG2226409
1,3,5-Trimethylbenzene	7.12		0.208	2.00	2	02/15/2024 11:10	WG2226409
Vinyl chloride	U		0.468	2.00	2	02/15/2024 11:10	WG2226409
Xylenes, Total	36.7		0.348	6.00	2	02/15/2024 11:10	WG2226409
(S) Toluene-d8	96.8			80.0-120		02/15/2024 11:10	WG2226409
(S) 4-Bromofluorobenzene	104			77.0-126		02/15/2024 11:10	WG2226409
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/15/2024 11:10	WG2226409

Sample Narrative:

L1704331-19 WG2226409: Lowest possible dilution due to sediment in sample vial.

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)	U		926	2780	27.8	02/17/2024 01:21	WG2224397
Residual Range Organics (RRO)	13900		2320	6950	27.8	02/17/2024 01:21	WG2224397
(S) o-Terphenyl	21.3	J2		31.0-160		02/17/2024 01:21	WG2224397

Sample Narrative:

L1704331-19 WG2224397: Surrogate failure due to matrix interference

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		0.0507	0.133	2.67	02/13/2024 00:53	WG2224398
Anthracene	U	Q	0.0435	0.115	2.29	02/17/2024 19:53	WG2227566
Acenaphthene	U		0.0507	0.133	2.67	02/13/2024 00:53	WG2224398
Acenaphthene	U	Q	0.0435	0.115	2.29	02/17/2024 19:53	WG2227566
Acenaphthylene	U		0.0457	0.133	2.67	02/13/2024 00:53	WG2224398
Acenaphthylene	U	Q	0.0392	0.115	2.29	02/17/2024 19:53	WG2227566
Benzo(a)anthracene	U		0.0542	0.133	2.67	02/13/2024 00:53	WG2224398
Benzo(a)anthracene	U	Q	0.0465	0.115	2.29	02/17/2024 19:53	WG2227566
Benzo(a)pyrene	U		0.0491	0.133	2.67	02/13/2024 00:53	WG2224398
Benzo(a)pyrene	U	Q	0.0421	0.115	2.29	02/17/2024 19:53	WG2227566
Benzo(b)fluoranthene	U		0.0449	0.133	2.67	02/13/2024 00:53	WG2224398

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
Benzo(b)fluoranthene	U	Q	0.0385	0.115	2.29	02/17/2024 19:53	WG2227566
Benzo(g,h,i)perylene	U		0.0491	0.133	2.67	02/13/2024 00:53	WG2224398
Benzo(g,h,i)perylene	U	Q	0.0421	0.115	2.29	02/17/2024 19:53	WG2227566
Benzo(k)fluoranthene	U		0.0539	0.133	2.67	02/13/2024 00:53	WG2224398
Benzo(k)fluoranthene	U	Q	0.0463	0.115	2.29	02/17/2024 19:53	WG2227566
Chrysene	U		0.0478	0.133	2.67	02/13/2024 00:53	WG2224398
Chrysene	U	Q	0.0410	0.115	2.29	02/17/2024 19:53	WG2227566
Dibenz(a,h)anthracene	U		0.0427	0.133	2.67	02/13/2024 00:53	WG2224398
Dibenz(a,h)anthracene	U	Q	0.0366	0.115	2.29	02/17/2024 19:53	WG2227566
Fluoranthene	U		0.0721	0.267	2.67	02/13/2024 00:53	WG2224398
Fluoranthene	U	Q	0.0618	0.229	2.29	02/17/2024 19:53	WG2227566
Fluorene	U		0.0451	0.133	2.67	02/13/2024 00:53	WG2224398
Fluorene	U	Q	0.0387	0.115	2.29	02/17/2024 19:53	WG2227566
Indeno(1,2,3-cd)pyrene	U		0.0422	0.133	2.67	02/13/2024 00:53	WG2224398
Indeno(1,2,3-cd)pyrene	U	Q	0.0362	0.115	2.29	02/17/2024 19:53	WG2227566
Naphthalene	U		0.245	0.668	2.67	02/13/2024 00:53	WG2224398
Naphthalene	1.80	Q	0.210	0.573	2.29	02/17/2024 19:53	WG2227566
Phenanthrene	U		0.0481	0.133	2.67	02/13/2024 00:53	WG2224398
Phenanthrene	U	Q	0.0412	0.115	2.29	02/17/2024 19:53	WG2227566
Pyrene	U		0.0451	0.133	2.67	02/13/2024 00:53	WG2224398
Pyrene	U	Q	0.0387	0.115	2.29	02/17/2024 19:53	WG2227566
1-Methylnaphthalene	U		0.183	0.668	2.67	02/13/2024 00:53	WG2224398
1-Methylnaphthalene	0.594	Q	0.157	0.573	2.29	02/17/2024 19:53	WG2227566
2-Methylnaphthalene	U		0.180	0.668	2.67	02/13/2024 00:53	WG2224398
2-Methylnaphthalene	1.02	Q	0.154	0.573	2.29	02/17/2024 19:53	WG2227566
2-Chloronaphthalene	U		0.182	0.668	2.67	02/13/2024 00:53	WG2224398
2-Chloronaphthalene	U	Q	0.156	0.573	2.29	02/17/2024 19:53	WG2227566
(S) Nitrobenzene-d5	3.87	J2		31.0-160		02/13/2024 00:53	WG2224398
(S) Nitrobenzene-d5	96.9			31.0-160		02/17/2024 19:53	WG2227566
(S) 2-Fluorobiphenyl	0.801	J2		48.0-148		02/13/2024 00:53	WG2224398
(S) 2-Fluorobiphenyl	67.5			48.0-148		02/17/2024 19:53	WG2227566
(S) p-Terphenyl-d14	0.733	J2		37.0-146		02/13/2024 00:53	WG2224398
(S) p-Terphenyl-d14	32.5	J2		37.0-146		02/17/2024 19:53	WG2227566

Sample Narrative:

L1704331-19 WG2224398, WG2227566: Duplicate Analysis performed due to surrogate failure. Results don't confirm; both analyses reported

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	86.4		1	02/13/2024 10:04	WG2224465

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	6.08		0.115	2.31	5	02/13/2024 15:49	WG2224085

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	12.8	B	1.13	3.32	25	02/13/2024 15:04	WG2225287
(S) a,a,a-Trifluorotoluene(FID)	95.5			77.0-120		02/13/2024 15:04	WG2225287

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		0.0485	0.0665	1	02/14/2024 04:39	WG2225767
Acrylonitrile	U		0.00480	0.0166	1	02/14/2024 04:39	WG2225767
Benzene	0.000878	J	0.000621	0.00133	1	02/14/2024 04:39	WG2225767
Bromobenzene	U		0.00120	0.0166	1	02/14/2024 04:39	WG2225767
Bromodichloromethane	U		0.000964	0.00332	1	02/14/2024 04:39	WG2225767
Bromoform	U		0.00156	0.0332	1	02/14/2024 04:39	WG2225767
Bromomethane	U		0.00262	0.0166	1	02/14/2024 04:39	WG2225767
n-Butylbenzene	U		0.00698	0.0166	1	02/14/2024 04:39	WG2225767
sec-Butylbenzene	U		0.00383	0.0166	1	02/14/2024 04:39	WG2225767
tert-Butylbenzene	U		0.00259	0.00665	1	02/14/2024 04:39	WG2225767
Carbon disulfide	U		0.000931	0.0166	1	02/14/2024 04:39	WG2225767
Carbon tetrachloride	U		0.00119	0.00665	1	02/14/2024 04:39	WG2225767
Chlorobenzene	U		0.000279	0.00332	1	02/14/2024 04:39	WG2225767
Chlorodibromomethane	U		0.000814	0.00332	1	02/14/2024 04:39	WG2225767
Chloroethane	U		0.00226	0.00665	1	02/14/2024 04:39	WG2225767
Chloroform	U		0.00137	0.00332	1	02/14/2024 04:39	WG2225767
Chloromethane	U		0.00578	0.0166	1	02/14/2024 04:39	WG2225767
2-Chlorotoluene	U		0.00115	0.00332	1	02/14/2024 04:39	WG2225767
4-Chlorotoluene	U		0.000598	0.00665	1	02/14/2024 04:39	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00519	0.0332	1	02/14/2024 04:39	WG2225767
1,2-Dibromoethane	U		0.000862	0.00332	1	02/14/2024 04:39	WG2225767
Dibromomethane	U		0.000997	0.00665	1	02/14/2024 04:39	WG2225767
1,2-Dichlorobenzene	U		0.000565	0.00665	1	02/14/2024 04:39	WG2225767
1,3-Dichlorobenzene	U		0.000798	0.00665	1	02/14/2024 04:39	WG2225767
1,4-Dichlorobenzene	U		0.000931	0.00665	1	02/14/2024 04:39	WG2225767
Dichlorodifluoromethane	U		0.00214	0.00665	1	02/14/2024 04:39	WG2225767
1,1-Dichloroethane	U		0.000653	0.00332	1	02/14/2024 04:39	WG2225767
1,2-Dichloroethane	U		0.000863	0.00332	1	02/14/2024 04:39	WG2225767
1,1-Dichloroethene	U		0.000806	0.00332	1	02/14/2024 04:39	WG2225767
cis-1,2-Dichloroethene	U		0.000976	0.00332	1	02/14/2024 04:39	WG2225767
trans-1,2-Dichloroethene	U		0.00138	0.00665	1	02/14/2024 04:39	WG2225767
1,2-Dichloropropane	U		0.00189	0.00665	1	02/14/2024 04:39	WG2225767
1,1-Dichloropropene	U		0.00108	0.00332	1	02/14/2024 04:39	WG2225767
1,3-Dichloropropane	U		0.000666	0.00665	1	02/14/2024 04:39	WG2225767
cis-1,3-Dichloropropene	U		0.00101	0.00332	1	02/14/2024 04:39	WG2225767
trans-1,3-Dichloropropene	U		0.00152	0.00665	1	02/14/2024 04:39	WG2225767
2,2-Dichloropropane	U		0.00183	0.00332	1	02/14/2024 04:39	WG2225767
Di-isopropyl ether	U		0.000545	0.00133	1	02/14/2024 04:39	WG2225767

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

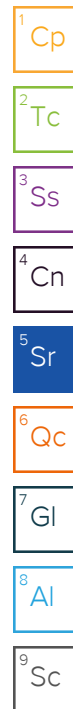
7 Gl

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	0.541		0.000980	0.00332	1	02/14/2024 04:39	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00798	0.0332	1	02/14/2024 04:39	WG2225767
Isopropylbenzene	0.0101		0.000565	0.00332	1	02/14/2024 04:39	WG2225767
p-Isopropyltoluene	U		0.00339	0.00665	1	02/14/2024 04:39	WG2225767
2-Butanone (MEK)	U		0.0844	0.133	1	02/14/2024 04:39	WG2225767
Methylene Chloride	U		0.00883	0.0332	1	02/14/2024 04:39	WG2225767
4-Methyl-2-pentanone (MIBK)	U		0.00303	0.0332	1	02/14/2024 04:39	WG2225767
Methyl tert-butyl ether	U		0.000465	0.00133	1	02/14/2024 04:39	WG2225767
Naphthalene	0.0472		0.00649	0.0166	1	02/14/2024 04:39	WG2225767
n-Propylbenzene	0.00339	J	0.00126	0.00665	1	02/14/2024 04:39	WG2225767
Styrene	U		0.000304	0.0166	1	02/14/2024 04:39	WG2225767
1,1,1,2-Tetrachloroethane	U		0.00126	0.00332	1	02/14/2024 04:39	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000924	0.00332	1	02/14/2024 04:39	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00100	0.00332	1	02/14/2024 04:39	WG2225767
Tetrachloroethene	U		0.00119	0.00332	1	02/14/2024 04:39	WG2225767
Toluene	0.00515	J	0.00173	0.00665	1	02/14/2024 04:39	WG2225767
1,2,3-Trichlorobenzene	U		0.00975	0.0166	1	02/14/2024 04:39	WG2225767
1,2,4-Trichlorobenzene	U		0.00585	0.0166	1	02/14/2024 04:39	WG2225767
1,1,1-Trichloroethane	U		0.00123	0.00332	1	02/14/2024 04:39	WG2225767
1,1,2-Trichloroethane	U		0.000794	0.00332	1	02/14/2024 04:39	WG2225767
Trichloroethene	U		0.000776	0.00133	1	02/14/2024 04:39	WG2225767
Trichlorofluoromethane	U		0.00110	0.00332	1	02/14/2024 04:39	WG2225767
1,2,3-Trichloropropane	U		0.00215	0.0166	1	02/14/2024 04:39	WG2225767
1,2,4-Trimethylbenzene	0.00574	J	0.00210	0.00665	1	02/14/2024 04:39	WG2225767
1,2,3-Trimethylbenzene	U		0.00210	0.00665	1	02/14/2024 04:39	WG2225767
1,3,5-Trimethylbenzene	U		0.00266	0.00665	1	02/14/2024 04:39	WG2225767
Vinyl chloride	U		0.00154	0.00332	1	02/14/2024 04:39	WG2225767
Xylenes, Total	3.56		0.00117	0.00864	1	02/14/2024 04:39	WG2225767
(S) Toluene-d8	96.8			75.0-131		02/14/2024 04:39	WG2225767
(S) 4-Bromofluorobenzene	102			67.0-138		02/14/2024 04:39	WG2225767
(S) 1,2-Dichloroethane-d4	81.1			70.0-130		02/14/2024 04:39	WG2225767



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)	2.43	J	1.54	4.63	1	02/13/2024 11:50	WG2224720
Residual Range Organics (RRO)	U		3.85	11.6	1	02/13/2024 11:50	WG2224720
(S) o-Terphenyl	35.5			18.0-148		02/13/2024 11:50	WG2224720

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	02/14/2024 05:40	WG2225033
Acenaphthene	U		0.00242	0.00694	1	02/14/2024 05:40	WG2225033
Acenaphthylene	U		0.00250	0.00694	1	02/14/2024 05:40	WG2225033
Benzo(a)anthracene	U		0.00200	0.00694	1	02/14/2024 05:40	WG2225033
Benzo(a)pyrene	U		0.00207	0.00694	1	02/14/2024 05:40	WG2225033
Benzo(b)fluoranthene	U		0.00177	0.00694	1	02/14/2024 05:40	WG2225033
Benzo(g,h,i)perylene	U		0.00205	0.00694	1	02/14/2024 05:40	WG2225033
Benzo(k)fluoranthene	U		0.00249	0.00694	1	02/14/2024 05:40	WG2225033
Chrysene	U		0.00268	0.00694	1	02/14/2024 05:40	WG2225033
Dibenz(a,h)anthracene	U		0.00199	0.00694	1	02/14/2024 05:40	WG2225033
Fluoranthene	U		0.00263	0.00694	1	02/14/2024 05:40	WG2225033
Fluorene	U		0.00237	0.00694	1	02/14/2024 05:40	WG2225033
Indeno(1,2,3-cd)pyrene	U		0.00209	0.00694	1	02/14/2024 05:40	WG2225033

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
Naphthalene	U		0.00472	0.0231	1	02/14/2024 05:40	WG2225033
Phenanthrene	U		0.00267	0.00694	1	02/14/2024 05:40	WG2225033
Pyrene	U		0.00231	0.00694	1	02/14/2024 05:40	WG2225033
1-Methylnaphthalene	U		0.00519	0.0231	1	02/14/2024 05:40	WG2225033
2-Methylnaphthalene	U		0.00494	0.0231	1	02/14/2024 05:40	WG2225033
2-Chloronaphthalene	U		0.00539	0.0231	1	02/14/2024 05:40	WG2225033
(S) p-Terphenyl-d14	76.4			23.0-120		02/14/2024 05:40	WG2225033
(S) Nitrobenzene-d5	57.3			14.0-149		02/14/2024 05:40	WG2225033
(S) 2-Fluorobiphenyl	82.0			34.0-125		02/14/2024 05:40	WG2225033

1

Cp

2

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

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.1		1	02/13/2024 10:04	WG2224465

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	2.84	B J	1.18	3.46	25	02/13/2024 15:28	WG2225287
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		02/13/2024 15:28	WG2225287

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		0.0506	0.0693	1	02/14/2024 04:59	WG2225767
Acrylonitrile	U		0.00500	0.0173	1	02/14/2024 04:59	WG2225767
Benzene	0.000698	J	0.000647	0.00139	1	02/14/2024 04:59	WG2225767
Bromobenzene	U		0.00125	0.0173	1	02/14/2024 04:59	WG2225767
Bromodichloromethane	U		0.00100	0.00346	1	02/14/2024 04:59	WG2225767
Bromoform	U		0.00162	0.0346	1	02/14/2024 04:59	WG2225767
Bromomethane	U		0.00273	0.0173	1	02/14/2024 04:59	WG2225767
n-Butylbenzene	U		0.00727	0.0173	1	02/14/2024 04:59	WG2225767
sec-Butylbenzene	U		0.00399	0.0173	1	02/14/2024 04:59	WG2225767
tert-Butylbenzene	U		0.00270	0.00693	1	02/14/2024 04:59	WG2225767
Carbon disulfide	U		0.000970	0.0173	1	02/14/2024 04:59	WG2225767
Carbon tetrachloride	U		0.00124	0.00693	1	02/14/2024 04:59	WG2225767
Chlorobenzene	U		0.000291	0.00346	1	02/14/2024 04:59	WG2225767
Chlorodibromomethane	U		0.000848	0.00346	1	02/14/2024 04:59	WG2225767
Chloroethane	U		0.00236	0.00693	1	02/14/2024 04:59	WG2225767
Chloroform	U		0.00143	0.00346	1	02/14/2024 04:59	WG2225767
Chloromethane	U		0.00603	0.0173	1	02/14/2024 04:59	WG2225767
2-Chlorotoluene	U		0.00120	0.00346	1	02/14/2024 04:59	WG2225767
4-Chlorotoluene	U		0.000624	0.00693	1	02/14/2024 04:59	WG2225767
1,2-Dibromo-3-Chloropropane	U		0.00540	0.0346	1	02/14/2024 04:59	WG2225767
1,2-Dibromoethane	U		0.000898	0.00346	1	02/14/2024 04:59	WG2225767
Dibromomethane	U		0.00104	0.00693	1	02/14/2024 04:59	WG2225767
1,2-Dichlorobenzene	U		0.000589	0.00693	1	02/14/2024 04:59	WG2225767
1,3-Dichlorobenzene	U		0.000831	0.00693	1	02/14/2024 04:59	WG2225767
1,4-Dichlorobenzene	U		0.000970	0.00693	1	02/14/2024 04:59	WG2225767
Dichlorodifluoromethane	U		0.00223	0.00693	1	02/14/2024 04:59	WG2225767
1,1-Dichloroethane	U		0.000680	0.00346	1	02/14/2024 04:59	WG2225767
1,2-Dichloroethane	U		0.000899	0.00346	1	02/14/2024 04:59	WG2225767
1,1-Dichloroethene	U		0.000840	0.00346	1	02/14/2024 04:59	WG2225767
cis-1,2-Dichloroethene	U		0.00102	0.00346	1	02/14/2024 04:59	WG2225767
trans-1,2-Dichloroethene	U		0.00144	0.00693	1	02/14/2024 04:59	WG2225767
1,2-Dichloropropane	U		0.00197	0.00693	1	02/14/2024 04:59	WG2225767
1,1-Dichloropropene	U		0.00112	0.00346	1	02/14/2024 04:59	WG2225767
1,3-Dichloropropane	U		0.000694	0.00693	1	02/14/2024 04:59	WG2225767
cis-1,3-Dichloropropene	U		0.00105	0.00346	1	02/14/2024 04:59	WG2225767
trans-1,3-Dichloropropene	U		0.00158	0.00693	1	02/14/2024 04:59	WG2225767
2,2-Dichloropropane	U		0.00191	0.00346	1	02/14/2024 04:59	WG2225767
Di-isopropyl ether	U		0.000568	0.00139	1	02/14/2024 04:59	WG2225767
Ethylbenzene	U		0.00102	0.00346	1	02/14/2024 04:59	WG2225767
Hexachloro-1,3-butadiene	U	J3	0.00831	0.0346	1	02/14/2024 04:59	WG2225767
Isopropylbenzene	U		0.000589	0.00346	1	02/14/2024 04:59	WG2225767
p-Isopropyltoluene	U		0.00353	0.00693	1	02/14/2024 04:59	WG2225767
2-Butanone (MEK)	U		0.0880	0.139	1	02/14/2024 04:59	WG2225767
Methylene Chloride	U		0.00920	0.0346	1	02/14/2024 04:59	WG2225767

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		0.00316	0.0346	1	02/14/2024 04:59	WG2225767
Methyl tert-butyl ether	U		0.000485	0.00139	1	02/14/2024 04:59	WG2225767
Naphthalene	U		0.00676	0.0173	1	02/14/2024 04:59	WG2225767
n-Propylbenzene	U		0.00132	0.00693	1	02/14/2024 04:59	WG2225767
Styrene	U		0.000317	0.0173	1	02/14/2024 04:59	WG2225767
1,1,1,2-Tetrachloroethane	U		0.00131	0.00346	1	02/14/2024 04:59	WG2225767
1,1,2,2-Tetrachloroethane	U		0.000963	0.00346	1	02/14/2024 04:59	WG2225767
1,1,2-Trichlorotrifluoroethane	U		0.00104	0.00346	1	02/14/2024 04:59	WG2225767
Tetrachloroethene	U		0.00124	0.00346	1	02/14/2024 04:59	WG2225767
Toluene	U		0.00180	0.00693	1	02/14/2024 04:59	WG2225767
1,2,3-Trichlorobenzene	U		0.0102	0.0173	1	02/14/2024 04:59	WG2225767
1,2,4-Trichlorobenzene	U		0.00610	0.0173	1	02/14/2024 04:59	WG2225767
1,1,1-Trichloroethane	U		0.00128	0.00346	1	02/14/2024 04:59	WG2225767
1,1,2-Trichloroethane	U		0.000827	0.00346	1	02/14/2024 04:59	WG2225767
Trichloroethene	U		0.000809	0.00139	1	02/14/2024 04:59	WG2225767
Trichlorofluoromethane	U		0.00115	0.00346	1	02/14/2024 04:59	WG2225767
1,2,3-Trichloropropane	U		0.00224	0.0173	1	02/14/2024 04:59	WG2225767
1,2,4-Trimethylbenzene	U		0.00219	0.00693	1	02/14/2024 04:59	WG2225767
1,2,3-Trimethylbenzene	U		0.00219	0.00693	1	02/14/2024 04:59	WG2225767
1,3,5-Trimethylbenzene	U		0.00277	0.00693	1	02/14/2024 04:59	WG2225767
Vinyl chloride	U		0.00161	0.00346	1	02/14/2024 04:59	WG2225767
Xylenes, Total	0.00442	B J	0.00122	0.00901	1	02/14/2024 04:59	WG2225767
(S) Toluene-d8	98.9			75.0-131		02/14/2024 04:59	WG2225767
(S) 4-Bromofluorobenzene	102			67.0-138		02/14/2024 04:59	WG2225767
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		02/14/2024 04:59	WG2225767

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)	U		1.56	4.70	1	02/13/2024 13:22	WG2224720
Residual Range Organics (RRO)	U		3.92	11.8	1	02/13/2024 13:22	WG2224720
(S) o-Terphenyl	30.9			18.0-148		02/13/2024 13:22	WG2224720

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	02/15/2024 14:29	WG2224199

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

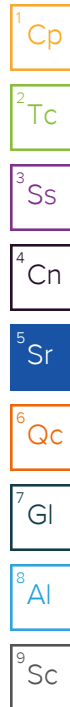
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	170	B J	63.2	200	2	02/14/2024 05:12	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	90.8			78.0-120		02/14/2024 05:12	WG2225769

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/11/2024 21:59	WG2224360
Acrolein	U	C3	2.54	50.0	1	02/11/2024 21:59	WG2224360
Acrylonitrile	U		0.671	10.0	1	02/11/2024 21:59	WG2224360
Benzene	U		0.0941	1.00	1	02/11/2024 21:59	WG2224360
Bromobenzene	U		0.118	1.00	1	02/11/2024 21:59	WG2224360
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 21:59	WG2224360
Bromoform	U		0.129	1.00	1	02/11/2024 21:59	WG2224360
Bromomethane	U		0.605	5.00	1	02/11/2024 21:59	WG2224360
n-Butylbenzene	U		0.157	1.00	1	02/11/2024 21:59	WG2224360
sec-Butylbenzene	U		0.125	1.00	1	02/11/2024 21:59	WG2224360
tert-Butylbenzene	U		0.127	1.00	1	02/11/2024 21:59	WG2224360
Carbon disulfide	U		0.0962	1.00	1	02/11/2024 21:59	WG2224360
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 21:59	WG2224360
Chlorobenzene	U		0.116	1.00	1	02/11/2024 21:59	WG2224360
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 21:59	WG2224360
Chloroethane	U		0.192	5.00	1	02/11/2024 21:59	WG2224360
Chloroform	U		0.111	5.00	1	02/11/2024 21:59	WG2224360
Chloromethane	U		0.960	2.50	1	02/11/2024 21:59	WG2224360
2-Chlorotoluene	U		0.106	1.00	1	02/11/2024 21:59	WG2224360
4-Chlorotoluene	U		0.114	1.00	1	02/11/2024 21:59	WG2224360
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2024 21:59	WG2224360
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 21:59	WG2224360
Dibromomethane	U		0.122	1.00	1	02/11/2024 21:59	WG2224360
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 21:59	WG2224360
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 21:59	WG2224360
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 21:59	WG2224360
Dichlorodifluoromethane	U		0.374	5.00	1	02/11/2024 21:59	WG2224360
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 21:59	WG2224360
1,2-Dichloroethane	6.74		0.0819	1.00	1	02/11/2024 21:59	WG2224360
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 21:59	WG2224360
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 21:59	WG2224360
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 21:59	WG2224360
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 21:59	WG2224360
1,1-Dichloropropene	U		0.142	1.00	1	02/11/2024 21:59	WG2224360
1,3-Dichloropropane	U		0.110	1.00	1	02/11/2024 21:59	WG2224360
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 21:59	WG2224360
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 21:59	WG2224360
2,2-Dichloropropane	U		0.161	1.00	1	02/11/2024 21:59	WG2224360
Di-isopropyl ether	0.112	J	0.105	1.00	1	02/11/2024 21:59	WG2224360
Ethylbenzene	0.647	J	0.137	1.00	1	02/11/2024 21:59	WG2224360
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	02/11/2024 21:59	WG2224360
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 21:59	WG2224360
p-Isopropyltoluene	U		0.120	1.00	1	02/11/2024 21:59	WG2224360

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 21:59	WG2224360
Methylene Chloride	U		0.430	5.00	1	02/11/2024 21:59	WG2224360
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 21:59	WG2224360
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 21:59	WG2224360
Naphthalene	U		1.00	5.00	1	02/11/2024 21:59	WG2224360
n-Propylbenzene	U		0.0993	1.00	1	02/11/2024 21:59	WG2224360
Styrene	U		0.118	1.00	1	02/11/2024 21:59	WG2224360
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/11/2024 21:59	WG2224360
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 21:59	WG2224360
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 21:59	WG2224360
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 21:59	WG2224360
Toluene	U		0.278	1.00	1	02/11/2024 21:59	WG2224360
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2024 21:59	WG2224360
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2024 21:59	WG2224360
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 21:59	WG2224360
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 21:59	WG2224360
Trichloroethene	U		0.190	1.00	1	02/11/2024 21:59	WG2224360
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 21:59	WG2224360
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2024 21:59	WG2224360
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/11/2024 21:59	WG2224360
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 21:59	WG2224360
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 21:59	WG2224360
Vinyl chloride	U		0.234	1.00	1	02/11/2024 21:59	WG2224360
Xylenes, Total	3.73		0.174	3.00	1	02/11/2024 21:59	WG2224360
(S) Toluene-d8	101			80.0-120		02/11/2024 21:59	WG2224360
(S) 4-Bromofluorobenzene	101			77.0-126		02/11/2024 21:59	WG2224360
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/11/2024 21:59	WG2224360



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)	90.8	<u>J</u>	59.6	179	1.79	02/14/2024 10:56	WG2224397
Residual Range Organics (RRO)	248	<u>J</u>	149	448	1.79	02/14/2024 10:56	WG2224397
(S) o-Terphenyl	12.0	<u>J2</u>		31.0-160		02/14/2024 10:56	WG2224397

Sample Narrative:

L1704331-28 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	U		0.0253	0.0665	1.33	02/12/2024 22:13	WG2224398
Acenaphthene	U		0.0253	0.0665	1.33	02/12/2024 22:13	WG2224398
Acenaphthylene	U		0.0227	0.0665	1.33	02/12/2024 22:13	WG2224398
Benzo(a)anthracene	U		0.0270	0.0665	1.33	02/12/2024 22:13	WG2224398
Benzo(a)pyrene	U		0.0245	0.0665	1.33	02/12/2024 22:13	WG2224398
Benzo(b)fluoranthene	U		0.0223	0.0665	1.33	02/12/2024 22:13	WG2224398
Benzo(g,h,i)perylene	U		0.0245	0.0665	1.33	02/12/2024 22:13	WG2224398
Benzo(k)fluoranthene	U		0.0269	0.0665	1.33	02/12/2024 22:13	WG2224398
Chrysene	U		0.0238	0.0665	1.33	02/12/2024 22:13	WG2224398
Dibenz(a,h)anthracene	U		0.0213	0.0665	1.33	02/12/2024 22:13	WG2224398
Fluoranthene	U		0.0359	0.133	1.33	02/12/2024 22:13	WG2224398
Fluorene	U		0.0225	0.0665	1.33	02/12/2024 22:13	WG2224398
Indeno(1,2,3-cd)pyrene	U		0.0210	0.0665	1.33	02/12/2024 22:13	WG2224398
Naphthalene	U		0.122	0.333	1.33	02/12/2024 22:13	WG2224398

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	U		0.0239	0.0665	1.33	02/12/2024 22:13	WG2224398
Pyrene	U		0.0225	0.0665	1.33	02/12/2024 22:13	WG2224398
1-Methylnaphthalene	U		0.0914	0.333	1.33	02/12/2024 22:13	WG2224398
2-Methylnaphthalene	U		0.0896	0.333	1.33	02/12/2024 22:13	WG2224398
2-Chloronaphthalene	U		0.0907	0.333	1.33	02/12/2024 22:13	WG2224398
(S) Nitrobenzene-d5	85.8			31.0-160		02/12/2024 22:13	WG2224398
(S) 2-Fluorobiphenyl	77.2			48.0-148		02/12/2024 22:13	WG2224398
(S) p-Terphenyl-d14	65.9			37.0-146		02/12/2024 22:13	WG2224398

Sample Narrative:

L1704331-28 WG2224398: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	67.1		0.849	2.00	1	02/16/2024 17:47	WG2224216

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

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	264	B	31.6	100	1	02/14/2024 05:36	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	94.5			78.0-120		02/14/2024 05:36	WG2225769

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	21.5	J	11.3	50.0	1	02/11/2024 22:18	WG2224360
Acrolein	U	C3	2.54	50.0	1	02/11/2024 22:18	WG2224360
Acrylonitrile	U		0.671	10.0	1	02/11/2024 22:18	WG2224360
Benzene	0.0990	J	0.0941	1.00	1	02/11/2024 22:18	WG2224360
Bromobenzene	U		0.118	1.00	1	02/11/2024 22:18	WG2224360
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 22:18	WG2224360
Bromoform	U		0.129	1.00	1	02/11/2024 22:18	WG2224360
Bromomethane	U		0.605	5.00	1	02/11/2024 22:18	WG2224360
n-Butylbenzene	0.643	J	0.157	1.00	1	02/11/2024 22:18	WG2224360
sec-Butylbenzene	0.342	J	0.125	1.00	1	02/11/2024 22:18	WG2224360
tert-Butylbenzene	U		0.127	1.00	1	02/11/2024 22:18	WG2224360
Carbon disulfide	0.216	J	0.0962	1.00	1	02/11/2024 22:18	WG2224360
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 22:18	WG2224360
Chlorobenzene	U		0.116	1.00	1	02/11/2024 22:18	WG2224360
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 22:18	WG2224360
Chloroethane	U		0.192	5.00	1	02/11/2024 22:18	WG2224360
Chloroform	U		0.111	5.00	1	02/11/2024 22:18	WG2224360
Chloromethane	U		0.960	2.50	1	02/11/2024 22:18	WG2224360
2-Chlorotoluene	U		0.106	1.00	1	02/11/2024 22:18	WG2224360
4-Chlorotoluene	U		0.114	1.00	1	02/11/2024 22:18	WG2224360
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2024 22:18	WG2224360
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 22:18	WG2224360
Dibromomethane	U		0.122	1.00	1	02/11/2024 22:18	WG2224360
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 22:18	WG2224360
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 22:18	WG2224360
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 22:18	WG2224360
Dichlorodifluoromethane	U		0.374	5.00	1	02/11/2024 22:18	WG2224360
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 22:18	WG2224360
1,2-Dichloroethane	0.639	J	0.0819	1.00	1	02/11/2024 22:18	WG2224360
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 22:18	WG2224360
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 22:18	WG2224360
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 22:18	WG2224360
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 22:18	WG2224360
1,1-Dichloropropene	U		0.142	1.00	1	02/11/2024 22:18	WG2224360
1,3-Dichloropropane	U		0.110	1.00	1	02/11/2024 22:18	WG2224360
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 22:18	WG2224360
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 22:18	WG2224360
2,2-Dichloropropane	U		0.161	1.00	1	02/11/2024 22:18	WG2224360
Di-isopropyl ether	U		0.105	1.00	1	02/11/2024 22:18	WG2224360
Ethylbenzene	3.51		0.137	1.00	1	02/11/2024 22:18	WG2224360
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	02/11/2024 22:18	WG2224360
Isopropylbenzene	0.880	J	0.105	1.00	1	02/11/2024 22:18	WG2224360
p-Isopropyltoluene	0.183	J	0.120	1.00	1	02/11/2024 22:18	WG2224360

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 22:18	WG2224360
Methylene Chloride	U		0.430	5.00	1	02/11/2024 22:18	WG2224360
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 22:18	WG2224360
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 22:18	WG2224360
Naphthalene	U		1.00	5.00	1	02/11/2024 22:18	WG2224360
n-Propylbenzene	2.39		0.0993	1.00	1	02/11/2024 22:18	WG2224360
Styrene	U		0.118	1.00	1	02/11/2024 22:18	WG2224360
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/11/2024 22:18	WG2224360
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 22:18	WG2224360
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 22:18	WG2224360
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 22:18	WG2224360
Toluene	0.636	<u>J</u>	0.278	1.00	1	02/11/2024 22:18	WG2224360
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2024 22:18	WG2224360
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2024 22:18	WG2224360
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 22:18	WG2224360
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 22:18	WG2224360
Trichloroethene	U		0.190	1.00	1	02/11/2024 22:18	WG2224360
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 22:18	WG2224360
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2024 22:18	WG2224360
1,2,4-Trimethylbenzene	12.4		0.322	1.00	1	02/11/2024 22:18	WG2224360
1,2,3-Trimethylbenzene	2.68		0.104	1.00	1	02/11/2024 22:18	WG2224360
1,3,5-Trimethylbenzene	2.56		0.104	1.00	1	02/11/2024 22:18	WG2224360
Vinyl chloride	U		0.234	1.00	1	02/11/2024 22:18	WG2224360
Xylenes, Total	12.6		0.174	3.00	1	02/11/2024 22:18	WG2224360
(S) Toluene-d8	102			80.0-120		02/11/2024 22:18	WG2224360
(S) 4-Bromofluorobenzene	101			77.0-126		02/11/2024 22:18	WG2224360
(S) 1,2-Dichloroethane-d4	96.0			70.0-130		02/11/2024 22:18	WG2224360

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)	133	<u>J</u>	49.0	147	1.47	02/14/2024 11:16	WG2224397
Residual Range Organics (RRO)	381		122	368	1.47	02/14/2024 11:16	WG2224397
(S) o-Terphenyl	1.93	<u>J2</u>		31.0-160		02/14/2024 11:16	WG2224397

Sample Narrative:

L1704331-29 WG2224397: Sample produced emulsion during Extraction process, low surr due to matrix and does not resemble std

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	95.9	B-J	31.6	100	1	02/14/2024 06:01	WG2225769
(S) a,a,a-Trifluorotoluene(FID)	91.3			78.0-120		02/14/2024 06:01	WG2225769

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/11/2024 22:37	WG2224360
Acrolein	U	C3	2.54	50.0	1	02/11/2024 22:37	WG2224360
Acrylonitrile	U		0.671	10.0	1	02/11/2024 22:37	WG2224360
Benzene	U		0.0941	1.00	1	02/11/2024 22:37	WG2224360
Bromobenzene	U		0.118	1.00	1	02/11/2024 22:37	WG2224360
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 22:37	WG2224360
Bromoform	U		0.129	1.00	1	02/11/2024 22:37	WG2224360
Bromomethane	U		0.605	5.00	1	02/11/2024 22:37	WG2224360
n-Butylbenzene	U		0.157	1.00	1	02/11/2024 22:37	WG2224360
sec-Butylbenzene	U		0.125	1.00	1	02/11/2024 22:37	WG2224360
tert-Butylbenzene	U		0.127	1.00	1	02/11/2024 22:37	WG2224360
Carbon disulfide	U		0.0962	1.00	1	02/11/2024 22:37	WG2224360
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 22:37	WG2224360
Chlorobenzene	U		0.116	1.00	1	02/11/2024 22:37	WG2224360
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 22:37	WG2224360
Chloroethane	U		0.192	5.00	1	02/11/2024 22:37	WG2224360
Chloroform	U		0.111	5.00	1	02/11/2024 22:37	WG2224360
Chloromethane	U		0.960	2.50	1	02/11/2024 22:37	WG2224360
2-Chlorotoluene	U		0.106	1.00	1	02/11/2024 22:37	WG2224360
4-Chlorotoluene	U		0.114	1.00	1	02/11/2024 22:37	WG2224360
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2024 22:37	WG2224360
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 22:37	WG2224360
Dibromomethane	U		0.122	1.00	1	02/11/2024 22:37	WG2224360
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 22:37	WG2224360
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 22:37	WG2224360
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 22:37	WG2224360
Dichlorodifluoromethane	U		0.374	5.00	1	02/11/2024 22:37	WG2224360
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 22:37	WG2224360
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 22:37	WG2224360
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 22:37	WG2224360
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 22:37	WG2224360
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 22:37	WG2224360
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 22:37	WG2224360
1,1-Dichloropropene	U		0.142	1.00	1	02/11/2024 22:37	WG2224360
1,3-Dichloropropane	U		0.110	1.00	1	02/11/2024 22:37	WG2224360
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 22:37	WG2224360
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 22:37	WG2224360
2,2-Dichloropropane	U		0.161	1.00	1	02/11/2024 22:37	WG2224360
Di-isopropyl ether	U		0.105	1.00	1	02/11/2024 22:37	WG2224360
Ethylbenzene	U		0.137	1.00	1	02/11/2024 22:37	WG2224360
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	02/11/2024 22:37	WG2224360
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 22:37	WG2224360
p-Isopropyltoluene	U		0.120	1.00	1	02/11/2024 22:37	WG2224360
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 22:37	WG2224360
Methylene Chloride	U		0.430	5.00	1	02/11/2024 22:37	WG2224360
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 22:37	WG2224360
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 22:37	WG2224360
Naphthalene	U		1.00	5.00	1	02/11/2024 22:37	WG2224360

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0993	1.00	1	02/11/2024 22:37	WG2224360
Styrene	U		0.118	1.00	1	02/11/2024 22:37	WG2224360
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/11/2024 22:37	WG2224360
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 22:37	WG2224360
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 22:37	WG2224360
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 22:37	WG2224360
Toluene	U		0.278	1.00	1	02/11/2024 22:37	WG2224360
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2024 22:37	WG2224360
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2024 22:37	WG2224360
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 22:37	WG2224360
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 22:37	WG2224360
Trichloroethene	U		0.190	1.00	1	02/11/2024 22:37	WG2224360
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 22:37	WG2224360
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2024 22:37	WG2224360
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/11/2024 22:37	WG2224360
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 22:37	WG2224360
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 22:37	WG2224360
Vinyl chloride	U		0.234	1.00	1	02/11/2024 22:37	WG2224360
Xylenes, Total	U		0.174	3.00	1	02/11/2024 22:37	WG2224360
(S) Toluene-d8	102			80.0-120		02/11/2024 22:37	WG2224360
(S) 4-Bromofluorobenzene	101			77.0-126		02/11/2024 22:37	WG2224360
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		02/11/2024 22:37	WG2224360

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)	247	<u>J</u>	115	345	3.45	02/14/2024 11:36	WG2224397
Residual Range Organics (RRO)	U		287	863	3.45	02/14/2024 11:36	WG2224397
(S) o-Terphenyl	57.0			31.0-160		02/14/2024 11:36	WG2224397

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	2.94		0.849	2.00	1	02/16/2024 17:53	WG2224216
Lead,Dissolved	U		0.849	2.00	1	02/15/2024 14:32	WG2224199

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	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	02/14/2024 08:13	WG2225690
(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120		02/14/2024 08:13	WG2225690

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/11/2024 22:56	WG2224360
Acrolein	U	C3	2.54	50.0	1	02/11/2024 22:56	WG2224360
Acrylonitrile	U		0.671	10.0	1	02/11/2024 22:56	WG2224360
Benzene	0.136	J	0.0941	1.00	1	02/11/2024 22:56	WG2224360
Bromobenzene	U		0.118	1.00	1	02/11/2024 22:56	WG2224360
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 22:56	WG2224360
Bromoform	U		0.129	1.00	1	02/11/2024 22:56	WG2224360
Bromomethane	U		0.605	5.00	1	02/11/2024 22:56	WG2224360
n-Butylbenzene	U		0.157	1.00	1	02/11/2024 22:56	WG2224360
sec-Butylbenzene	U		0.125	1.00	1	02/11/2024 22:56	WG2224360
tert-Butylbenzene	U		0.127	1.00	1	02/11/2024 22:56	WG2224360
Carbon disulfide	U		0.0962	1.00	1	02/11/2024 22:56	WG2224360
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 22:56	WG2224360
Chlorobenzene	U		0.116	1.00	1	02/11/2024 22:56	WG2224360
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 22:56	WG2224360
Chloroethane	U		0.192	5.00	1	02/11/2024 22:56	WG2224360
Chloroform	U		0.111	5.00	1	02/11/2024 22:56	WG2224360
Chloromethane	U		0.960	2.50	1	02/11/2024 22:56	WG2224360
2-Chlorotoluene	U		0.106	1.00	1	02/11/2024 22:56	WG2224360
4-Chlorotoluene	U		0.114	1.00	1	02/11/2024 22:56	WG2224360
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2024 22:56	WG2224360
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 22:56	WG2224360
Dibromomethane	U		0.122	1.00	1	02/11/2024 22:56	WG2224360
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 22:56	WG2224360
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 22:56	WG2224360
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 22:56	WG2224360
Dichlorodifluoromethane	U		0.374	5.00	1	02/11/2024 22:56	WG2224360
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 22:56	WG2224360
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 22:56	WG2224360
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 22:56	WG2224360
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 22:56	WG2224360
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 22:56	WG2224360
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 22:56	WG2224360
1,1-Dichloropropene	U		0.142	1.00	1	02/11/2024 22:56	WG2224360
1,3-Dichloropropane	U		0.110	1.00	1	02/11/2024 22:56	WG2224360
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 22:56	WG2224360
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 22:56	WG2224360
2,2-Dichloropropane	U		0.161	1.00	1	02/11/2024 22:56	WG2224360
Di-isopropyl ether	U		0.105	1.00	1	02/11/2024 22:56	WG2224360
Ethylbenzene	U		0.137	1.00	1	02/11/2024 22:56	WG2224360
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	02/11/2024 22:56	WG2224360
Isopropylbenzene	0.463	J	0.105	1.00	1	02/11/2024 22:56	WG2224360

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	U		0.120	1.00	1	02/11/2024 22:56	WG2224360
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 22:56	WG2224360
Methylene Chloride	U		0.430	5.00	1	02/11/2024 22:56	WG2224360
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 22:56	WG2224360
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 22:56	WG2224360
Naphthalene	U		1.00	5.00	1	02/11/2024 22:56	WG2224360
n-Propylbenzene	U		0.0993	1.00	1	02/11/2024 22:56	WG2224360
Styrene	U		0.118	1.00	1	02/11/2024 22:56	WG2224360
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/11/2024 22:56	WG2224360
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 22:56	WG2224360
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 22:56	WG2224360
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 22:56	WG2224360
Toluene	U		0.278	1.00	1	02/11/2024 22:56	WG2224360
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2024 22:56	WG2224360
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2024 22:56	WG2224360
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 22:56	WG2224360
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 22:56	WG2224360
Trichloroethene	U		0.190	1.00	1	02/11/2024 22:56	WG2224360
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 22:56	WG2224360
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2024 22:56	WG2224360
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/11/2024 22:56	WG2224360
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 22:56	WG2224360
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/11/2024 22:56	WG2224360
Vinyl chloride	U		0.234	1.00	1	02/11/2024 22:56	WG2224360
Xylenes, Total	U		0.174	3.00	1	02/11/2024 22:56	WG2224360
(S) Toluene-d8	101			80.0-120		02/11/2024 22:56	WG2224360
(S) 4-Bromofluorobenzene	101			77.0-126		02/11/2024 22:56	WG2224360
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/11/2024 22:56	WG2224360

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)	111		34.3	103	1.03	02/14/2024 11:56	WG2224397
Residual Range Organics (RRO)	U		85.8	258	1.03	02/14/2024 11:56	WG2224397
(S) o-Terphenyl	69.4			31.0-160		02/14/2024 11:56	WG2224397

Sample Narrative:
L1704331-32 WG2224397: Dilution due to sample volume.

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		0.0435	0.115	2.29	02/13/2024 00:35	WG2224398
Acenaphthene	U		0.0435	0.115	2.29	02/13/2024 00:35	WG2224398
Acenaphthylene	U		0.0392	0.115	2.29	02/13/2024 00:35	WG2224398
Benzo(a)anthracene	U		0.0465	0.115	2.29	02/13/2024 00:35	WG2224398
Benzo(a)pyrene	U		0.0421	0.115	2.29	02/13/2024 00:35	WG2224398
Benzo(b)fluoranthene	U		0.0385	0.115	2.29	02/13/2024 00:35	WG2224398
Benzo(g,h,i)perylene	U		0.0421	0.115	2.29	02/13/2024 00:35	WG2224398
Benzo(k)fluoranthene	U		0.0463	0.115	2.29	02/13/2024 00:35	WG2224398
Chrysene	U		0.0410	0.115	2.29	02/13/2024 00:35	WG2224398
Dibenz(a,h)anthracene	U		0.0366	0.115	2.29	02/13/2024 00:35	WG2224398
Fluoranthene	U		0.0618	0.229	2.29	02/13/2024 00:35	WG2224398
Fluorene	U		0.0387	0.115	2.29	02/13/2024 00:35	WG2224398
Indeno(1,2,3-cd)pyrene	U		0.0362	0.115	2.29	02/13/2024 00:35	WG2224398

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
Naphthalene	U		0.210	0.573	2.29	02/13/2024 00:35	WG2224398
Phenanthrene	U		0.0412	0.115	2.29	02/13/2024 00:35	WG2224398
Pyrene	U		0.0387	0.115	2.29	02/13/2024 00:35	WG2224398
1-Methylnaphthalene	U		0.157	0.573	2.29	02/13/2024 00:35	WG2224398
2-Methylnaphthalene	U		0.154	0.573	2.29	02/13/2024 00:35	WG2224398
2-Chloronaphthalene	U		0.156	0.573	2.29	02/13/2024 00:35	WG2224398
(S) Nitrobenzene-d5	196	J1		31.0-160		02/13/2024 00:35	WG2224398
(S) 2-Fluorobiphenyl	182	J1		48.0-148		02/13/2024 00:35	WG2224398
(S) p-Terphenyl-d14	181	J1		37.0-146		02/13/2024 00:35	WG2224398

Sample Narrative:

L1704331-32 WG2224398: Dilution due to matrix.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

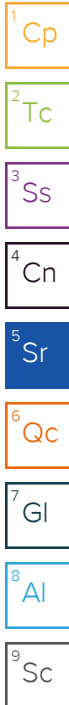
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	02/20/2024 21:33	WG2230301
Acrolein	U	J4	2.54	50.0	1	02/20/2024 21:33	WG2230301
Acrylonitrile	U		0.671	10.0	1	02/20/2024 21:33	WG2230301
Benzene	U		0.0941	1.00	1	02/20/2024 21:33	WG2230301
Bromobenzene	U		0.118	1.00	1	02/20/2024 21:33	WG2230301
Bromodichloromethane	U		0.136	1.00	1	02/20/2024 21:33	WG2230301
Bromoform	U		0.129	1.00	1	02/20/2024 21:33	WG2230301
Bromomethane	U	C3	0.605	5.00	1	02/20/2024 21:33	WG2230301
n-Butylbenzene	U		0.157	1.00	1	02/20/2024 21:33	WG2230301
sec-Butylbenzene	U		0.125	1.00	1	02/20/2024 21:33	WG2230301
tert-Butylbenzene	U		0.127	1.00	1	02/20/2024 21:33	WG2230301
Carbon disulfide	U	C3	0.0962	1.00	1	02/20/2024 21:33	WG2230301
Carbon tetrachloride	U		0.128	1.00	1	02/20/2024 21:33	WG2230301
Chlorobenzene	U		0.116	1.00	1	02/20/2024 21:33	WG2230301
Chlorodibromomethane	U		0.140	1.00	1	02/20/2024 21:33	WG2230301
Chloroethane	U		0.192	5.00	1	02/20/2024 21:33	WG2230301
Chloroform	U		0.111	5.00	1	02/20/2024 21:33	WG2230301
Chloromethane	U		0.960	2.50	1	02/20/2024 21:33	WG2230301
2-Chlorotoluene	U		0.106	1.00	1	02/20/2024 21:33	WG2230301
4-Chlorotoluene	U		0.114	1.00	1	02/20/2024 21:33	WG2230301
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/20/2024 21:33	WG2230301
1,2-Dibromoethane	U		0.126	1.00	1	02/20/2024 21:33	WG2230301
Dibromomethane	U		0.122	1.00	1	02/20/2024 21:33	WG2230301
1,2-Dichlorobenzene	U		0.107	1.00	1	02/20/2024 21:33	WG2230301
1,3-Dichlorobenzene	U		0.110	1.00	1	02/20/2024 21:33	WG2230301
1,4-Dichlorobenzene	U		0.120	1.00	1	02/20/2024 21:33	WG2230301
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/20/2024 21:33	WG2230301
1,1-Dichloroethane	U		0.100	1.00	1	02/20/2024 21:33	WG2230301
1,2-Dichloroethane	U		0.0819	1.00	1	02/20/2024 21:33	WG2230301
1,1-Dichloroethene	U		0.188	1.00	1	02/20/2024 21:33	WG2230301
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/20/2024 21:33	WG2230301
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/20/2024 21:33	WG2230301
1,2-Dichloropropane	U		0.149	1.00	1	02/20/2024 21:33	WG2230301
1,1-Dichloropropene	U		0.142	1.00	1	02/20/2024 21:33	WG2230301
1,3-Dichloropropane	U		0.110	1.00	1	02/20/2024 21:33	WG2230301
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/20/2024 21:33	WG2230301
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/20/2024 21:33	WG2230301
2,2-Dichloropropane	U		0.161	1.00	1	02/20/2024 21:33	WG2230301
Di-isopropyl ether	U		0.105	1.00	1	02/20/2024 21:33	WG2230301
Ethylbenzene	U		0.137	1.00	1	02/20/2024 21:33	WG2230301
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/20/2024 21:33	WG2230301
Isopropylbenzene	U		0.105	1.00	1	02/20/2024 21:33	WG2230301
p-Isopropyltoluene	U		0.120	1.00	1	02/20/2024 21:33	WG2230301
2-Butanone (MEK)	U		1.19	10.0	1	02/20/2024 21:33	WG2230301
Methylene Chloride	U		0.430	5.00	1	02/20/2024 21:33	WG2230301
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/20/2024 21:33	WG2230301
Methyl tert-butyl ether	U		0.101	1.00	1	02/20/2024 21:33	WG2230301
Naphthalene	U	C3	1.00	5.00	1	02/20/2024 21:33	WG2230301
n-Propylbenzene	U		0.0993	1.00	1	02/20/2024 21:33	WG2230301
Styrene	U		0.118	1.00	1	02/20/2024 21:33	WG2230301
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/20/2024 21:33	WG2230301
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/20/2024 21:33	WG2230301
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/20/2024 21:33	WG2230301
Tetrachloroethene	U		0.300	1.00	1	02/20/2024 21:33	WG2230301
Toluene	U		0.278	1.00	1	02/20/2024 21:33	WG2230301
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/20/2024 21:33	WG2230301



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/20/2024 21:33	WG2230301
1,1,1-Trichloroethane	U		0.149	1.00	1	02/20/2024 21:33	WG2230301
1,1,2-Trichloroethane	U		0.158	1.00	1	02/20/2024 21:33	WG2230301
Trichloroethene	U		0.190	1.00	1	02/20/2024 21:33	WG2230301
Trichlorofluoromethane	U		0.160	5.00	1	02/20/2024 21:33	WG2230301
1,2,3-Trichloropropane	U		0.237	2.50	1	02/20/2024 21:33	WG2230301
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/20/2024 21:33	WG2230301
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/20/2024 21:33	WG2230301
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/20/2024 21:33	WG2230301
Vinyl chloride	U		0.234	1.00	1	02/20/2024 21:33	WG2230301
Xylenes, Total	U		0.174	3.00	1	02/20/2024 21:33	WG2230301
(S) Toluene-d8	105			80.0-120		02/20/2024 21:33	WG2230301
(S) 4-Bromofluorobenzene	96.1			77.0-126		02/20/2024 21:33	WG2230301
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		02/20/2024 21:33	WG2230301

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4033460-1 02/13/24 10:04

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L1704331-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1704331-18 02/13/24 10:04 • (DUP) R4033460-3 02/13/24 10:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	82.9	82.3	1	0.647		10

Laboratory Control Sample (LCS)

(LCS) R4033460-2 02/13/24 10:04

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4033227-1 02/13/24 14:21

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) R4033227-2 02/13/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	83.2	83.2	80.0-120	

L1704217-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704217-02 02/13/24 14:28 • (MS) R4033227-5 02/13/24 14:38 • (MSD) R4033227-6 02/13/24 14:41

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	119	32.1	146	179	96.3	124	5	75.0-125		J3	20.1	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4034202-1 02/15/24 12:35

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

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

Laboratory Control Sample (LCS)

(LCS) R4034202-2 02/15/24 12:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	55.4	111	80.0-120	

7
Gl

8
Al

9
Sc

L1704680-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704680-03 02/15/24 12:42 • (MS) R4034202-4 02/15/24 12:48 • (MSD) R4034202-5 02/15/24 12:52

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	54.6	53.0	109	106	1	75.0-125			2.98	20

Method Blank (MB)

(MB) R4034881-1 02/16/24 18:22

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

Laboratory Control Sample (LCS)

(LCS) R4034881-2 02/16/24 18:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	49.8	99.7	80.0-120	

L1704007-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704007-15 02/16/24 18:28 • (MS) R4034881-4 02/16/24 18:35 • (MSD) R4034881-5 02/16/24 18:38

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	50.0	U	47.6	46.9	95.3	93.7	1	75.0-125			1.62	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032950-4 02/12/24 23:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	2.30	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	90.8			77.0-120

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

(LCS) R4032950-1 02/12/24 20:51 • (LCSD) R4032950-3 02/12/24 22:04

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	5.00	5.11	4.23	102	84.6	71.0-124			18.8	20
(S) a,a,a-Trifluorotoluene(FID)				106	101	77.0-120				

L1704221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704221-01 02/13/24 02:51 • (MS) R4032950-5 02/13/24 08:58 • (MSD) R4032950-6 02/13/24 09:22

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 %
Gasoline Range Organics-NWTPH	125	65.6	181	189	92.3	98.7	25	50.0-150			4.32	27
(S) a,a,a-Trifluorotoluene(FID)					106	102		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034054-3 02/13/24 12:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	2.23	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	91.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4034054-2 02/13/24 11:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	4.76	95.2	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			100	77.0-120	

L1704331-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704331-24 02/13/24 15:28 • (MS) R4034054-4 02/13/24 21:36 • (MSD) R4034054-5 02/13/24 22:00

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	145	2.84	127	98.5	85.5	65.8	25	50.0-150			25.4	27
(S) a,a,a-Trifluorotoluene(FID)					98.9	98.9		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034682-2 02/15/24 10:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.33	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	98.3			77.0-120

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

(LCS) R4034682-1 02/15/24 09:35 • (LCSD) R4034682-3 02/15/24 20:58

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	5.00	5.70	5.44	114	109	71.0-124			4.67	20
(S) a,a,a-Trifluorotoluene(FID)				105	105	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) R4034250-2 02/14/24 02:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4034250-1 02/14/24 01:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5000	5630	113	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			106	78.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4034055-2 02/14/24 00:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	73.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	92.6			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4034055-1 02/13/24 23:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5000	5230	105	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			107	78.0-120	

L1704270-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704270-01 02/14/24 01:02 • (MS) R4034055-3 02/14/24 08:53 • (MSD) R4034055-4 02/14/24 09:17

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 %
Gasoline Range Organics-NWTPH	5000	602	5180	5780	91.6	104	1	10.0-155			10.9	21
(S) a,a,a-Trifluorotoluene(FID)					103	97.2		78.0-120				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4033794-3 02/13/24 13:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

1
Cp

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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

9
Sc

Method Blank (MB)

(MB) R4033794-3 02/13/24 13:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	94.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4033794-1 02/13/24 12:50 • (LCSD) R4033794-2 02/13/24 13:11

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	23.6	23.4	94.4	93.6	19.0-160			0.851	27
Acrolein	25.0	25.9	25.7	104	103	10.0-160			0.775	26
Acrylonitrile	25.0	25.8	26.6	103	106	55.0-149			3.05	20

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

(LCS) R4033794-1 02/13/24 12:50 • (LCSD) R4033794-2 02/13/24 13:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.24	5.08	105	102	70.0-123			3.10	20
Bromobenzene	5.00	5.12	4.94	102	98.8	73.0-121			3.58	20
Bromodichloromethane	5.00	5.12	5.01	102	100	75.0-120			2.17	20
Bromoform	5.00	4.66	4.59	93.2	91.8	68.0-132			1.51	20
Bromomethane	5.00	4.77	4.22	95.4	84.4	10.0-160			12.2	25
n-Butylbenzene	5.00	5.60	5.24	112	105	73.0-125			6.64	20
sec-Butylbenzene	5.00	5.30	5.02	106	100	75.0-125			5.43	20
tert-Butylbenzene	5.00	5.46	5.09	109	102	76.0-124			7.01	20
Carbon disulfide	5.00	5.34	4.93	107	98.6	61.0-128			7.98	20
Carbon tetrachloride	5.00	5.55	5.18	111	104	68.0-126			6.90	20
Chlorobenzene	5.00	5.24	5.01	105	100	80.0-121			4.49	20
Chlorodibromomethane	5.00	4.83	4.78	96.6	95.6	77.0-125			1.04	20
Chloroethane	5.00	5.80	5.54	116	111	47.0-150			4.59	20
Chloroform	5.00	5.25	5.02	105	100	73.0-120			4.48	20
Chloromethane	5.00	4.82	4.57	96.4	91.4	41.0-142			5.32	20
2-Chlorotoluene	5.00	5.20	4.98	104	99.6	76.0-123			4.32	20
4-Chlorotoluene	5.00	5.13	4.78	103	95.6	75.0-122			7.06	20
1,2-Dibromo-3-Chloropropane	5.00	4.50	4.44	90.0	88.8	58.0-134			1.34	20
1,2-Dibromoethane	5.00	4.79	5.10	95.8	102	80.0-122			6.27	20
Dibromomethane	5.00	4.93	4.98	98.6	99.6	80.0-120			1.01	20
1,2-Dichlorobenzene	5.00	4.99	4.95	99.8	99.0	79.0-121			0.805	20
1,3-Dichlorobenzene	5.00	4.92	4.78	98.4	95.6	79.0-120			2.89	20
1,4-Dichlorobenzene	5.00	5.12	4.78	102	95.6	79.0-120			6.87	20
Dichlorodifluoromethane	5.00	5.69	5.26	114	105	51.0-149			7.85	20
1,1-Dichloroethane	5.00	5.30	5.11	106	102	70.0-126			3.65	20
1,2-Dichloroethane	5.00	5.04	5.04	101	101	70.0-128			0.000	20
1,1-Dichloroethene	5.00	5.81	5.40	116	108	71.0-124			7.31	20
cis-1,2-Dichloroethene	5.00	5.23	4.78	105	95.6	73.0-120			8.99	20
trans-1,2-Dichloroethene	5.00	5.69	5.18	114	104	73.0-120			9.38	20
1,2-Dichloropropane	5.00	5.23	5.01	105	100	77.0-125			4.30	20
1,1-Dichloropropene	5.00	5.47	5.25	109	105	74.0-126			4.10	20
1,3-Dichloropropane	5.00	5.07	4.84	101	96.8	80.0-120			4.64	20
cis-1,3-Dichloropropene	5.00	4.72	4.67	94.4	93.4	80.0-123			1.06	20
trans-1,3-Dichloropropene	5.00	4.99	4.67	99.8	93.4	78.0-124			6.63	20
2,2-Dichloropropane	5.00	5.72	5.41	114	108	58.0-130			5.57	20
Di-isopropyl ether	5.00	5.27	5.08	105	102	58.0-138			3.67	20
Ethylbenzene	5.00	5.29	5.12	106	102	79.0-123			3.27	20
Hexachloro-1,3-butadiene	5.00	5.69	5.49	114	110	54.0-138			3.58	20
Isopropylbenzene	5.00	5.38	5.11	108	102	76.0-127			5.15	20
p-Isopropyltoluene	5.00	5.36	5.09	107	102	76.0-125			5.17	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4033794-1 02/13/24 12:50 • (LCSD) R4033794-2 02/13/24 13:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	23.7	23.9	94.8	95.6	44.0-160			0.840	20
Methylene Chloride	5.00	5.29	5.25	106	105	67.0-120			0.759	20
4-Methyl-2-pentanone (MIBK)	25.0	26.7	26.5	107	106	68.0-142			0.752	20
Methyl tert-butyl ether	5.00	5.21	4.97	104	99.4	68.0-125			4.72	20
Naphthalene	5.00	4.74	5.02	94.8	100	54.0-135			5.74	20
n-Propylbenzene	5.00	5.28	4.97	106	99.4	77.0-124			6.05	20
Styrene	5.00	5.08	4.64	102	92.8	73.0-130			9.05	20
1,1,1,2-Tetrachloroethane	5.00	4.87	4.78	97.4	95.6	75.0-125			1.87	20
1,1,2,2-Tetrachloroethane	5.00	5.24	5.04	105	101	65.0-130			3.89	20
1,1,2-Trichlorotrifluoroethane	5.00	5.73	5.32	115	106	69.0-132			7.42	20
Tetrachloroethene	5.00	5.48	5.34	110	107	72.0-132			2.59	20
Toluene	5.00	5.12	5.09	102	102	79.0-120			0.588	20
1,2,3-Trichlorobenzene	5.00	5.37	5.63	107	113	50.0-138			4.73	20
1,2,4-Trichlorobenzene	5.00	5.22	5.34	104	107	57.0-137			2.27	20
1,1,1-Trichloroethane	5.00	5.69	5.23	114	105	73.0-124			8.42	20
1,1,2-Trichloroethane	5.00	5.10	4.90	102	98.0	80.0-120			4.00	20
Trichloroethene	5.00	5.36	4.81	107	96.2	78.0-124			10.8	20
Trichlorofluoromethane	5.00	5.62	5.23	112	105	59.0-147			7.19	20
1,2,3-Trichloropropane	5.00	5.03	4.89	101	97.8	73.0-130			2.82	20
1,2,4-Trimethylbenzene	5.00	5.25	4.89	105	97.8	76.0-121			7.10	20
1,2,3-Trimethylbenzene	5.00	5.17	4.88	103	97.6	77.0-120			5.77	20
1,3,5-Trimethylbenzene	5.00	4.98	4.69	99.6	93.8	76.0-122			6.00	20
Vinyl chloride	5.00	5.72	5.24	114	105	67.0-131			8.76	20
Xylenes, Total	15.0	15.6	14.7	104	98.0	79.0-123			5.94	20
(S) Toluene-d8				99.3	102	80.0-120				
(S) 4-Bromofluorobenzene				100	101	77.0-126				
(S) 1,2-Dichloroethane-d4				96.4	97.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4033582-3 02/11/24 19:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033582-3 02/11/24 19:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	95.2			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4033582-1 02/11/24 18:34 • (LCSD) R4033582-2 02/11/24 18:53

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	26.3	25.7	105	103	19.0-160			2.31	27
Acrolein	25.0	5.25	4.93	21.0	19.7	10.0-160			6.29	26
Acrylonitrile	25.0	21.0	23.7	84.0	94.8	55.0-149			12.1	20

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

(LCS) R4033582-1 02/11/24 18:34 • (LCSD) R4033582-2 02/11/24 18:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.78	4.53	95.6	90.6	70.0-123			5.37	20
Bromobenzene	5.00	5.29	5.15	106	103	73.0-121			2.68	20
Bromodichloromethane	5.00	4.85	4.63	97.0	92.6	75.0-120			4.64	20
Bromoform	5.00	4.32	4.21	86.4	84.2	68.0-132			2.58	20
Bromomethane	5.00	5.19	4.84	104	96.8	10.0-160			6.98	25
n-Butylbenzene	5.00	4.63	4.17	92.6	83.4	73.0-125			10.5	20
sec-Butylbenzene	5.00	4.70	4.36	94.0	87.2	75.0-125			7.51	20
tert-Butylbenzene	5.00	4.88	4.67	97.6	93.4	76.0-124			4.40	20
Carbon disulfide	5.00	4.35	3.91	87.0	78.2	61.0-128			10.7	20
Carbon tetrachloride	5.00	5.63	5.40	113	108	68.0-126			4.17	20
Chlorobenzene	5.00	4.89	4.80	97.8	96.0	80.0-121			1.86	20
Chlorodibromomethane	5.00	4.77	4.81	95.4	96.2	77.0-125			0.835	20
Chloroethane	5.00	4.92	4.55	98.4	91.0	47.0-150			7.81	20
Chloroform	5.00	4.64	4.57	92.8	91.4	73.0-120			1.52	20
Chloromethane	5.00	4.61	4.36	92.2	87.2	41.0-142			5.57	20
2-Chlorotoluene	5.00	4.94	4.54	98.8	90.8	76.0-123			8.44	20
4-Chlorotoluene	5.00	4.77	4.65	95.4	93.0	75.0-122			2.55	20
1,2-Dibromo-3-Chloropropane	5.00	4.33	4.43	86.6	88.6	58.0-134			2.28	20
1,2-Dibromoethane	5.00	4.89	4.89	97.8	97.8	80.0-122			0.000	20
Dibromomethane	5.00	4.95	4.86	99.0	97.2	80.0-120			1.83	20
1,2-Dichlorobenzene	5.00	4.70	4.71	94.0	94.2	79.0-121			0.213	20
1,3-Dichlorobenzene	5.00	4.68	4.80	93.6	96.0	79.0-120			2.53	20
1,4-Dichlorobenzene	5.00	4.85	4.72	97.0	94.4	79.0-120			2.72	20
Dichlorodifluoromethane	5.00	4.31	3.95	86.2	79.0	51.0-149			8.72	20
1,1-Dichloroethane	5.00	5.13	4.72	103	94.4	70.0-126			8.32	20
1,2-Dichloroethane	5.00	4.73	4.62	94.6	92.4	70.0-128			2.35	20
1,1-Dichloroethene	5.00	5.28	5.00	106	100	71.0-124			5.45	20
cis-1,2-Dichloroethene	5.00	4.89	4.54	97.8	90.8	73.0-120			7.42	20
trans-1,2-Dichloroethene	5.00	4.81	4.59	96.2	91.8	73.0-120			4.68	20
1,2-Dichloropropane	5.00	4.78	4.69	95.6	93.8	77.0-125			1.90	20
1,1-Dichloropropene	5.00	5.64	5.13	113	103	74.0-126			9.47	20
1,3-Dichloropropane	5.00	4.88	4.94	97.6	98.8	80.0-120			1.22	20
cis-1,3-Dichloropropene	5.00	4.75	4.65	95.0	93.0	80.0-123			2.13	20
trans-1,3-Dichloropropene	5.00	4.46	4.48	89.2	89.6	78.0-124			0.447	20
2,2-Dichloropropane	5.00	5.14	4.21	103	84.2	58.0-130			19.9	20
Di-isopropyl ether	5.00	4.61	4.35	92.2	87.0	58.0-138			5.80	20
Ethylbenzene	5.00	5.03	4.79	101	95.8	79.0-123			4.89	20
Hexachloro-1,3-butadiene	5.00	3.25	3.00	65.0	60.0	54.0-138			8.00	20
Isopropylbenzene	5.00	5.17	4.79	103	95.8	76.0-127			7.63	20
p-Isopropyltoluene	5.00	4.69	4.53	93.8	90.6	76.0-125			3.47	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4033582-1 02/11/24 18:34 • (LCSD) R4033582-2 02/11/24 18:53

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 %
2-Butanone (MEK)	25.0	24.0	23.8	96.0	95.2	44.0-160			0.837	20
Methylene Chloride	5.00	4.32	4.18	86.4	83.6	67.0-120			3.29	20
4-Methyl-2-pentanone (MIBK)	25.0	24.1	24.6	96.4	98.4	68.0-142			2.05	20
Methyl tert-butyl ether	5.00	4.52	4.06	90.4	81.2	68.0-125			10.7	20
Naphthalene	5.00	4.18	4.36	83.6	87.2	54.0-135			4.22	20
n-Propylbenzene	5.00	4.79	4.60	95.8	92.0	77.0-124			4.05	20
Styrene	5.00	4.76	4.63	95.2	92.6	73.0-130			2.77	20
1,1,1,2-Tetrachloroethane	5.00	5.21	4.79	104	95.8	75.0-125			8.40	20
1,1,2,2-Tetrachloroethane	5.00	4.48	4.52	89.6	90.4	65.0-130			0.889	20
1,1,2-Trichlorotrifluoroethane	5.00	5.29	4.88	106	97.6	69.0-132			8.06	20
Tetrachloroethene	5.00	5.70	5.24	114	105	72.0-132			8.41	20
Toluene	5.00	5.01	4.65	100	93.0	79.0-120			7.45	20
1,2,3-Trichlorobenzene	5.00	4.05	4.22	81.0	84.4	50.0-138			4.11	20
1,2,4-Trichlorobenzene	5.00	3.98	4.12	79.6	82.4	57.0-137			3.46	20
1,1,1-Trichloroethane	5.00	5.54	4.93	111	98.6	73.0-124			11.7	20
1,1,2-Trichloroethane	5.00	5.00	5.03	100	101	80.0-120			0.598	20
Trichloroethene	5.00	4.95	4.84	99.0	96.8	78.0-124			2.25	20
Trichlorofluoromethane	5.00	5.10	4.74	102	94.8	59.0-147			7.32	20
1,2,3-Trichloropropane	5.00	4.91	5.11	98.2	102	73.0-130			3.99	20
1,2,4-Trimethylbenzene	5.00	4.71	4.37	94.2	87.4	76.0-121			7.49	20
1,2,3-Trimethylbenzene	5.00	4.65	4.54	93.0	90.8	77.0-120			2.39	20
1,3,5-Trimethylbenzene	5.00	4.84	4.56	96.8	91.2	76.0-122			5.96	20
Vinyl chloride	5.00	5.02	4.61	100	92.2	67.0-131			8.52	20
Xylenes, Total	15.0	14.9	14.1	99.3	94.0	79.0-123			5.52	20
(S) Toluene-d8				101	102	80.0-120				
(S) 4-Bromofluorobenzene				101	101	77.0-126				
(S) 1,2-Dichloroethane-d4				99.3	100	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4035536-3 02/15/24 09:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4035536-3 02/15/24 09:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	99.2			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4035536-1 02/15/24 08:51 • (LCSD) R4035536-2 02/15/24 09:12

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	29.6	26.0	118	104	19.0-160			12.9	27
Acrolein	25.0	23.6	21.3	94.4	85.2	10.0-160			10.2	26
Acrylonitrile	25.0	24.5	24.8	98.0	99.2	55.0-149			1.22	20

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

(LCS) R4035536-1 02/15/24 08:51 • (LCSD) R4035536-2 02/15/24 09:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.79	4.82	95.8	96.4	70.0-123			0.624	20
Bromobenzene	5.00	4.32	4.31	86.4	86.2	73.0-121			0.232	20
Bromodichloromethane	5.00	4.62	4.44	92.4	88.8	75.0-120			3.97	20
Bromoform	5.00	3.99	3.41	79.8	68.2	68.0-132			15.7	20
Bromomethane	5.00	3.40	4.47	68.0	89.4	10.0-160		J3	27.2	25
n-Butylbenzene	5.00	4.34	4.83	86.8	96.6	73.0-125			10.7	20
sec-Butylbenzene	5.00	4.41	4.54	88.2	90.8	75.0-125			2.91	20
tert-Butylbenzene	5.00	4.45	4.57	89.0	91.4	76.0-124			2.66	20
Carbon disulfide	5.00	4.00	3.44	80.0	68.8	61.0-128			15.1	20
Carbon tetrachloride	5.00	5.33	4.99	107	99.8	68.0-126			6.59	20
Chlorobenzene	5.00	4.90	4.67	98.0	93.4	80.0-121			4.81	20
Chlorodibromomethane	5.00	4.19	3.80	83.8	76.0	77.0-125		J4	9.76	20
Chloroethane	5.00	5.26	4.77	105	95.4	47.0-150			9.77	20
Chloroform	5.00	5.20	4.81	104	96.2	73.0-120			7.79	20
Chloromethane	5.00	4.10	4.30	82.0	86.0	41.0-142			4.76	20
2-Chlorotoluene	5.00	4.46	4.52	89.2	90.4	76.0-123			1.34	20
4-Chlorotoluene	5.00	4.36	4.35	87.2	87.0	75.0-122			0.230	20
1,2-Dibromo-3-Chloropropane	5.00	3.62	3.27	72.4	65.4	58.0-134			10.2	20
1,2-Dibromoethane	5.00	4.49	4.63	89.8	92.6	80.0-122			3.07	20
Dibromomethane	5.00	4.86	4.70	97.2	94.0	80.0-120			3.35	20
1,2-Dichlorobenzene	5.00	4.32	4.45	86.4	89.0	79.0-121			2.96	20
1,3-Dichlorobenzene	5.00	4.32	4.41	86.4	88.2	79.0-120			2.06	20
1,4-Dichlorobenzene	5.00	4.51	4.44	90.2	88.8	79.0-120			1.56	20
Dichlorodifluoromethane	5.00	5.68	5.72	114	114	51.0-149			0.702	20
1,1-Dichloroethane	5.00	4.88	4.90	97.6	98.0	70.0-126			0.409	20
1,2-Dichloroethane	5.00	5.33	5.33	107	107	70.0-128			0.000	20
1,1-Dichloroethene	5.00	5.25	5.13	105	103	71.0-124			2.31	20
cis-1,2-Dichloroethene	5.00	5.03	5.06	101	101	73.0-120			0.595	20
trans-1,2-Dichloroethene	5.00	5.39	5.04	108	101	73.0-120			6.71	20
1,2-Dichloropropane	5.00	4.83	4.55	96.6	91.0	77.0-125			5.97	20
1,1-Dichloropropene	5.00	5.40	4.99	108	99.8	74.0-126			7.89	20
1,3-Dichloropropane	5.00	4.53	4.44	90.6	88.8	80.0-120			2.01	20
cis-1,3-Dichloropropene	5.00	4.79	4.56	95.8	91.2	80.0-123			4.92	20
trans-1,3-Dichloropropene	5.00	4.47	4.32	89.4	86.4	78.0-124			3.41	20
2,2-Dichloropropane	5.00	5.59	5.32	112	106	58.0-130			4.95	20
Di-isopropyl ether	5.00	4.86	4.63	97.2	92.6	58.0-138			4.85	20
Ethylbenzene	5.00	4.70	4.69	94.0	93.8	79.0-123			0.213	20
Hexachloro-1,3-butadiene	5.00	4.86	5.11	97.2	102	54.0-138			5.02	20
Isopropylbenzene	5.00	4.80	4.83	96.0	96.6	76.0-127			0.623	20
p-Isopropyltoluene	5.00	4.56	4.67	91.2	93.4	76.0-125			2.38	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4035536-1 02/15/24 08:51 • (LCSD) R4035536-2 02/15/24 09:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	24.8	28.4	99.2	114	44.0-160			13.5	20
Methylene Chloride	5.00	5.21	5.02	104	100	67.0-120			3.71	20
4-Methyl-2-pentanone (MIBK)	25.0	23.5	23.1	94.0	92.4	68.0-142			1.72	20
Methyl tert-butyl ether	5.00	5.12	4.88	102	97.6	68.0-125			4.80	20
Naphthalene	5.00	4.19	4.86	83.8	97.2	54.0-135			14.8	20
n-Propylbenzene	5.00	4.41	4.46	88.2	89.2	77.0-124			1.13	20
Styrene	5.00	4.28	4.29	85.6	85.8	73.0-130			0.233	20
1,1,1,2-Tetrachloroethane	5.00	4.49	4.36	89.8	87.2	75.0-125			2.94	20
1,1,2,2-Tetrachloroethane	5.00	4.12	4.10	82.4	82.0	65.0-130			0.487	20
1,1,2-Trichlorotrifluoroethane	5.00	5.31	5.10	106	102	69.0-132			4.03	20
Tetrachloroethene	5.00	5.31	5.34	106	107	72.0-132			0.563	20
Toluene	5.00	4.53	4.58	90.6	91.6	79.0-120			1.10	20
1,2,3-Trichlorobenzene	5.00	4.91	6.06	98.2	121	50.0-138		J3	21.0	20
1,2,4-Trichlorobenzene	5.00	4.73	5.23	94.6	105	57.0-137			10.0	20
1,1,1-Trichloroethane	5.00	5.77	5.52	115	110	73.0-124			4.43	20
1,1,2-Trichloroethane	5.00	4.49	4.66	89.8	93.2	80.0-120			3.72	20
Trichloroethene	5.00	5.32	5.05	106	101	78.0-124			5.21	20
Trichlorofluoromethane	5.00	5.87	5.30	117	106	59.0-147			10.2	20
1,2,3-Trichloropropane	5.00	4.52	4.56	90.4	91.2	73.0-130			0.881	20
1,2,4-Trimethylbenzene	5.00	4.44	4.41	88.8	88.2	76.0-121			0.678	20
1,2,3-Trimethylbenzene	5.00	4.29	4.42	85.8	88.4	77.0-120			2.99	20
1,3,5-Trimethylbenzene	5.00	4.17	4.14	83.4	82.8	76.0-122			0.722	20
Vinyl chloride	5.00	5.13	5.13	103	103	67.0-131			0.000	20
Xylenes, Total	15.0	14.0	14.3	93.3	95.3	79.0-123			2.12	20
(S) Toluene-d8				96.3	95.1	80.0-120				
(S) 4-Bromofluorobenzene				104	103	77.0-126				
(S) 1,2-Dichloroethane-d4				103	101	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4036210-5 02/20/24 20:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4036210-5 02/20/24 20:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	96.2			77.0-126
(S) 1,2-Dichloroethane-d4	94.5			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4036210-1 02/20/24 19:10 • (LCSD) R4036210-2 02/20/24 19:30

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	24.0	25.3	96.0	101	19.0-160			5.27	27
Acrolein	25.0	90.3	91.6	361	366	10.0-160	J4	J4	1.43	26
Acrylonitrile	25.0	24.4	24.3	97.6	97.2	55.0-149			0.411	20

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

(LCS) R4036210-1 02/20/24 19:10 • (LCSD) R4036210-2 02/20/24 19:30

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 %
Benzene	5.00	4.96	4.93	99.2	98.6	70.0-123			0.607	20
Bromobenzene	5.00	4.79	4.84	95.8	96.8	73.0-121			1.04	20
Bromodichloromethane	5.00	4.78	4.72	95.6	94.4	75.0-120			1.26	20
Bromoform	5.00	4.19	4.29	83.8	85.8	68.0-132			2.36	20
Bromomethane	5.00	2.57	2.68	51.4	53.6	10.0-160			4.19	25
n-Butylbenzene	5.00	4.20	4.12	84.0	82.4	73.0-125			1.92	20
sec-Butylbenzene	5.00	4.72	4.69	94.4	93.8	75.0-125			0.638	20
tert-Butylbenzene	5.00	4.52	4.55	90.4	91.0	76.0-124			0.662	20
Carbon disulfide	5.00	3.84	3.86	76.8	77.2	61.0-128			0.519	20
Carbon tetrachloride	5.00	4.90	4.85	98.0	97.0	68.0-126			1.03	20
Chlorobenzene	5.00	4.66	4.69	93.2	93.8	80.0-121			0.642	20
Chlorodibromomethane	5.00	4.42	4.54	88.4	90.8	77.0-125			2.68	20
Chloroethane	5.00	4.58	4.70	91.6	94.0	47.0-150			2.59	20
Chloroform	5.00	4.91	4.91	98.2	98.2	73.0-120			0.000	20
Chloromethane	5.00	4.39	4.35	87.8	87.0	41.0-142			0.915	20
2-Chlorotoluene	5.00	4.94	4.93	98.8	98.6	76.0-123			0.203	20
4-Chlorotoluene	5.00	4.51	4.58	90.2	91.6	75.0-122			1.54	20
1,2-Dibromo-3-Chloropropane	5.00	3.76	3.96	75.2	79.2	58.0-134			5.18	20
1,2-Dibromoethane	5.00	4.54	4.53	90.8	90.6	80.0-122			0.221	20
Dibromomethane	5.00	4.73	4.78	94.6	95.6	80.0-120			1.05	20
1,2-Dichlorobenzene	5.00	4.61	4.59	92.2	91.8	79.0-121			0.435	20
1,3-Dichlorobenzene	5.00	4.58	4.55	91.6	91.0	79.0-120			0.657	20
1,4-Dichlorobenzene	5.00	4.54	4.53	90.8	90.6	79.0-120			0.221	20
Dichlorodifluoromethane	5.00	3.78	3.73	75.6	74.6	51.0-149			1.33	20
1,1-Dichloroethane	5.00	4.96	5.03	99.2	101	70.0-126			1.40	20
1,2-Dichloroethane	5.00	4.80	4.87	96.0	97.4	70.0-128			1.45	20
1,1-Dichloroethene	5.00	4.74	4.69	94.8	93.8	71.0-124			1.06	20
cis-1,2-Dichloroethene	5.00	4.80	4.66	96.0	93.2	73.0-120			2.96	20
trans-1,2-Dichloroethene	5.00	4.64	4.60	92.8	92.0	73.0-120			0.866	20
1,2-Dichloropropane	5.00	5.03	5.07	101	101	77.0-125			0.792	20
1,1-Dichloropropene	5.00	4.91	4.95	98.2	99.0	74.0-126			0.811	20
1,3-Dichloropropane	5.00	4.87	4.80	97.4	96.0	80.0-120			1.45	20
cis-1,3-Dichloropropene	5.00	4.82	4.73	96.4	94.6	80.0-123			1.88	20
trans-1,3-Dichloropropene	5.00	4.39	4.38	87.8	87.6	78.0-124			0.228	20
2,2-Dichloropropane	5.00	5.08	4.91	102	98.2	58.0-130			3.40	20
Di-isopropyl ether	5.00	4.67	4.67	93.4	93.4	58.0-138			0.000	20
Ethylbenzene	5.00	4.58	4.72	91.6	94.4	79.0-123			3.01	20
Hexachloro-1,3-butadiene	5.00	4.67	4.70	93.4	94.0	54.0-138			0.640	20
Isopropylbenzene	5.00	4.64	4.60	92.8	92.0	76.0-127			0.866	20
p-Isopropyltoluene	5.00	4.59	4.66	91.8	93.2	76.0-125			1.51	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4036210-1 02/20/24 19:10 • (LCSD) R4036210-2 02/20/24 19:30

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 %
2-Butanone (MEK)	25.0	22.1	22.6	88.4	90.4	44.0-160			2.24	20
Methylene Chloride	5.00	5.32	5.18	106	104	67.0-120			2.67	20
4-Methyl-2-pentanone (MIBK)	25.0	23.4	23.8	93.6	95.2	68.0-142			1.69	20
Methyl tert-butyl ether	5.00	4.82	4.90	96.4	98.0	68.0-125			1.65	20
Naphthalene	5.00	3.72	4.13	74.4	82.6	54.0-135			10.4	20
n-Propylbenzene	5.00	4.75	4.73	95.0	94.6	77.0-124			0.422	20
Styrene	5.00	4.26	4.31	85.2	86.2	73.0-130			1.17	20
1,1,1,2-Tetrachloroethane	5.00	4.58	4.49	91.6	89.8	75.0-125			1.98	20
1,1,2,2-Tetrachloroethane	5.00	4.96	4.98	99.2	99.6	65.0-130			0.402	20
1,1,2-Trichlorotrifluoroethane	5.00	4.45	4.27	89.0	85.4	69.0-132			4.13	20
Tetrachloroethene	5.00	4.79	4.70	95.8	94.0	72.0-132			1.90	20
Toluene	5.00	4.67	4.68	93.4	93.6	79.0-120			0.214	20
1,2,3-Trichlorobenzene	5.00	4.70	5.42	94.0	108	50.0-138			14.2	20
1,2,4-Trichlorobenzene	5.00	4.23	4.60	84.6	92.0	57.0-137			8.38	20
1,1,1-Trichloroethane	5.00	4.89	4.96	97.8	99.2	73.0-124			1.42	20
1,1,2-Trichloroethane	5.00	4.99	4.98	99.8	99.6	80.0-120			0.201	20
Trichloroethene	5.00	4.73	4.76	94.6	95.2	78.0-124			0.632	20
Trichlorofluoromethane	5.00	4.67	4.57	93.4	91.4	59.0-147			2.16	20
1,2,3-Trichloropropane	5.00	4.84	4.89	96.8	97.8	73.0-130			1.03	20
1,2,4-Trimethylbenzene	5.00	4.40	4.44	88.0	88.8	76.0-121			0.905	20
1,2,3-Trimethylbenzene	5.00	4.70	4.66	94.0	93.2	77.0-120			0.855	20
1,3,5-Trimethylbenzene	5.00	4.57	4.63	91.4	92.6	76.0-122			1.30	20
Vinyl chloride	5.00	4.46	4.46	89.2	89.2	67.0-131			0.000	20
Xylenes, Total	15.0	13.7	13.6	91.3	90.7	79.0-123			0.733	20
(S) Toluene-d8				104	104	80.0-120				
(S) 4-Bromofluorobenzene				98.6	97.6	77.0-126				
(S) 1,2-Dichloroethane-d4				96.8	94.4	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033681-3 02/13/24 23:35

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	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033681-3 02/13/24 23:35

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	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	0.00232	U	0.000880	0.00650
(S) Toluene-d8	104			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	95.6			70.0-130

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

(LCS) R4033681-1 02/13/24 21:57 • (LCSD) R4033681-2 02/13/24 22:17

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	0.615	0.583	98.4	93.3	10.0-160			5.34	31
Acrylonitrile	0.625	0.676	0.658	108	105	45.0-153			2.70	22
Benzene	0.125	0.138	0.127	110	102	70.0-123			8.30	20
Bromobenzene	0.125	0.130	0.123	104	98.4	73.0-121			5.53	20

1
Cp

2
Tc

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Ss

4
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

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

(LCS) R4033681-1 02/13/24 21:57 • (LCSD) R4033681-2 02/13/24 22:17

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	0.125	0.122	100	97.6	73.0-121			2.43	20
Bromoform	0.125	0.121	0.114	96.8	91.2	64.0-132			5.96	20
Bromomethane	0.125	0.135	0.126	108	101	56.0-147			6.90	20
n-Butylbenzene	0.125	0.118	0.120	94.4	96.0	68.0-135			1.68	20
sec-Butylbenzene	0.125	0.137	0.130	110	104	74.0-130			5.24	20
tert-Butylbenzene	0.125	0.146	0.149	117	119	75.0-127			2.03	20
Carbon disulfide	0.125	0.138	0.123	110	98.4	56.0-133			11.5	20
Carbon tetrachloride	0.125	0.121	0.121	96.8	96.8	66.0-128			0.000	20
Chlorobenzene	0.125	0.137	0.130	110	104	76.0-128			5.24	20
Chlorodibromomethane	0.125	0.117	0.114	93.6	91.2	74.0-127			2.60	20
Chloroethane	0.125	0.130	0.128	104	102	61.0-134			1.55	20
Chloroform	0.125	0.128	0.122	102	97.6	72.0-123			4.80	20
Chloromethane	0.125	0.122	0.118	97.6	94.4	51.0-138			3.33	20
2-Chlorotoluene	0.125	0.135	0.134	108	107	75.0-124			0.743	20
4-Chlorotoluene	0.125	0.121	0.122	96.8	97.6	75.0-124			0.823	20
1,2-Dibromo-3-Chloropropane	0.125	0.107	0.106	85.6	84.8	59.0-130			0.939	20
1,2-Dibromoethane	0.125	0.130	0.120	104	96.0	74.0-128			8.00	20
Dibromomethane	0.125	0.135	0.129	108	103	75.0-122			4.55	20
1,2-Dichlorobenzene	0.125	0.126	0.120	101	96.0	76.0-124			4.88	20
1,3-Dichlorobenzene	0.125	0.126	0.123	101	98.4	76.0-125			2.41	20
1,4-Dichlorobenzene	0.125	0.123	0.121	98.4	96.8	77.0-121			1.64	20
Dichlorodifluoromethane	0.125	0.120	0.109	96.0	87.2	43.0-156			9.61	20
1,1-Dichloroethane	0.125	0.133	0.121	106	96.8	70.0-127			9.45	20
1,2-Dichloroethane	0.125	0.122	0.121	97.6	96.8	65.0-131			0.823	20
1,1-Dichloroethene	0.125	0.124	0.119	99.2	95.2	65.0-131			4.12	20
cis-1,2-Dichloroethene	0.125	0.134	0.122	107	97.6	73.0-125			9.38	20
trans-1,2-Dichloroethene	0.125	0.137	0.130	110	104	71.0-125			5.24	20
1,2-Dichloropropane	0.125	0.138	0.126	110	101	74.0-125			9.09	20
1,1-Dichloropropene	0.125	0.126	0.118	101	94.4	73.0-125			6.56	20
1,3-Dichloropropane	0.125	0.129	0.128	103	102	80.0-125			0.778	20
cis-1,3-Dichloropropene	0.125	0.116	0.115	92.8	92.0	76.0-127			0.866	20
trans-1,3-Dichloropropene	0.125	0.115	0.119	92.0	95.2	73.0-127			3.42	20
2,2-Dichloropropane	0.125	0.130	0.129	104	103	59.0-135			0.772	20
Di-isopropyl ether	0.125	0.131	0.126	105	101	60.0-136			3.89	20
Ethylbenzene	0.125	0.128	0.125	102	100	74.0-126			2.37	20
Hexachloro-1,3-butadiene	0.125	0.162	0.122	130	97.6	57.0-150		J3	28.2	20
Isopropylbenzene	0.125	0.141	0.130	113	104	72.0-127			8.12	20
p-Isopropyltoluene	0.125	0.130	0.133	104	106	72.0-133			2.28	20
2-Butanone (MEK)	0.625	0.601	0.571	96.2	91.4	30.0-160			5.12	24
Methylene Chloride	0.125	0.135	0.120	108	96.0	68.0-123			11.8	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4033681-1 02/13/24 21:57 • (LCSD) R4033681-2 02/13/24 22:17

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 %
4-Methyl-2-pentanone (MIBK)	0.625	0.588	0.595	94.1	95.2	56.0-143			1.18	20
Methyl tert-butyl ether	0.125	0.133	0.135	106	108	66.0-132			1.49	20
Naphthalene	0.125	0.129	0.136	103	109	59.0-130			5.28	20
n-Propylbenzene	0.125	0.131	0.128	105	102	74.0-126			2.32	20
Styrene	0.125	0.130	0.122	104	97.6	72.0-127			6.35	20
1,1,1,2-Tetrachloroethane	0.125	0.138	0.136	110	109	74.0-129			1.46	20
1,1,2,2-Tetrachloroethane	0.125	0.116	0.121	92.8	96.8	68.0-128			4.22	20
1,1,2-Trichlorotrifluoroethane	0.125	0.117	0.109	93.6	87.2	61.0-139			7.08	20
Tetrachloroethene	0.125	0.137	0.141	110	113	70.0-136			2.88	20
Toluene	0.125	0.126	0.119	101	95.2	75.0-121			5.71	20
1,2,3-Trichlorobenzene	0.125	0.115	0.122	92.0	97.6	59.0-139			5.91	20
1,2,4-Trichlorobenzene	0.125	0.129	0.121	103	96.8	62.0-137			6.40	20
1,1,1-Trichloroethane	0.125	0.140	0.137	112	110	69.0-126			2.17	20
1,1,2-Trichloroethane	0.125	0.138	0.137	110	110	78.0-123			0.727	20
Trichloroethene	0.125	0.124	0.113	99.2	90.4	76.0-126			9.28	20
Trichlorofluoromethane	0.125	0.120	0.109	96.0	87.2	61.0-142			9.61	20
1,2,3-Trichloropropane	0.125	0.124	0.125	99.2	100	67.0-129			0.803	20
1,2,4-Trimethylbenzene	0.125	0.120	0.123	96.0	98.4	70.0-126			2.47	20
1,2,3-Trimethylbenzene	0.125	0.119	0.122	95.2	97.6	74.0-124			2.49	20
1,3,5-Trimethylbenzene	0.125	0.126	0.124	101	99.2	73.0-127			1.60	20
Vinyl chloride	0.125	0.140	0.130	112	104	63.0-134			7.41	20
Xylenes, Total	0.375	0.402	0.383	107	102	72.0-127			4.84	20
(S) Toluene-d8				99.6	101	75.0-131				
(S) 4-Bromofluorobenzene				101	97.8	67.0-138				
(S) 1,2-Dichloroethane-d4				101	99.6	70.0-130				

L1704355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704355-01 02/14/24 06:18 • (MS) R4033681-4 02/14/24 07:36 • (MSD) R4033681-5 02/14/24 07:56

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	248	U	238	224	96.0	90.3	396	10.0-160			6.06	40
Acrylonitrile	248	U	270	273	109	110	396	10.0-160			1.10	40
Benzene	49.5	0.356	64.0	59.9	129	120	396	10.0-149			6.62	37
Bromobenzene	49.5	U	57.4	63.3	116	128	396	10.0-156			9.78	38
Bromodichloromethane	49.5	U	60.4	59.1	122	119	396	10.0-143			2.18	37
Bromoform	49.5	U	51.6	56.2	104	114	396	10.0-146			8.53	36
Bromomethane	49.5	U	68.9	61.2	139	124	396	10.0-149			11.8	38
n-Butylbenzene	49.5	U	115	91.0	232	184	396	10.0-160	J5	J5	23.3	40

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704355-01 02/14/24 06:18 • (MS) R4033681-4 02/14/24 07:36 • (MSD) R4033681-5 02/14/24 07:56

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 %
sec-Butylbenzene	49.5	1.97	71.6	76.2	141	150	396	10.0-159			6.22	39
tert-Butylbenzene	49.5	U	69.4	69.0	140	139	396	10.0-156			0.578	39
Carbon disulfide	49.5	U	54.2	52.0	109	105	396	10.0-145			4.14	39
Carbon tetrachloride	49.5	U	55.6	53.8	112	109	396	10.0-145			3.29	37
Chlorobenzene	49.5	U	60.6	64.1	122	129	396	10.0-152			5.61	39
Chlorodibromomethane	49.5	U	52.0	58.1	105	117	396	10.0-146			11.1	37
Chloroethane	49.5	U	69.6	68.0	141	137	396	10.0-146			2.33	40
Chloroform	49.5	U	61.8	63.1	125	127	396	10.0-146			2.08	37
Chloromethane	49.5	U	58.3	59.0	118	119	396	10.0-159			1.19	37
2-Chlorotoluene	49.5	U	65.7	64.5	133	130	396	10.0-159			1.84	38
4-Chlorotoluene	49.5	U	56.6	59.9	114	121	396	10.0-155			5.67	39
1,2-Dibromo-3-Chloropropane	49.5	U	48.5	54.9	98.0	111	396	10.0-151			12.4	39
1,2-Dibromoethane	49.5	U	54.2	55.5	109	112	396	10.0-148			2.37	34
Dibromomethane	49.5	U	57.3	58.8	116	119	396	10.0-147			2.58	35
1,2-Dichlorobenzene	49.5	U	60.6	63.3	122	128	396	10.0-155			4.36	37
1,3-Dichlorobenzene	49.5	U	59.9	65.1	121	132	396	10.0-153			8.32	38
1,4-Dichlorobenzene	49.5	U	59.9	62.4	121	126	396	10.0-151			4.09	38
Dichlorodifluoromethane	49.5	U	54.6	57.3	110	116	396	10.0-160			4.83	35
1,1-Dichloroethane	49.5	U	64.3	62.7	130	127	396	10.0-147			2.52	37
1,2-Dichloroethane	49.5	U	55.5	54.1	112	109	396	10.0-148			2.55	35
1,1-Dichloroethene	49.5	U	64.8	61.1	131	123	396	10.0-155			5.88	37
cis-1,2-Dichloroethene	49.5	U	61.7	60.5	125	122	396	10.0-149			1.96	37
trans-1,2-Dichloroethene	49.5	U	58.9	59.2	119	120	396	10.0-150			0.508	37
1,2-Dichloropropane	49.5	U	63.0	61.5	127	124	396	10.0-148			2.41	37
1,1-Dichloropropene	49.5	U	57.5	60.4	116	122	396	10.0-153			4.92	35
1,3-Dichloropropane	49.5	U	56.5	60.9	114	123	396	10.0-154			7.50	35
cis-1,3-Dichloropropene	49.5	U	59.1	53.4	119	108	396	10.0-151			10.1	37
trans-1,3-Dichloropropene	49.5	U	55.0	57.0	111	115	396	10.0-148			3.57	37
2,2-Dichloropropane	49.5	U	55.1	64.9	111	131	396	10.0-138			16.3	36
Di-isopropyl ether	49.5	U	59.3	56.4	120	114	396	10.0-147			5.01	36
Ethylbenzene	49.5	7.10	75.9	77.5	139	142	396	10.0-160			2.09	38
Hexachloro-1,3-butadiene	49.5	U	95.2	108	192	218	396	10.0-160	J5	J5	12.6	40
Isopropylbenzene	49.5	1.99	71.7	73.8	141	145	396	10.0-155			2.89	38
p-Isopropyltoluene	49.5	1.18	74.4	81.3	148	162	396	10.0-160		J5	8.86	40
2-Butanone (MEK)	248	U	205	249	82.7	100	396	10.0-160			19.4	40
Methylene Chloride	49.5	U	60.9	58.1	123	117	396	10.0-141			4.71	37
4-Methyl-2-pentanone (MIBK)	248	U	249	260	100	105	396	10.0-160			4.32	35
Methyl tert-butyl ether	49.5	U	64.5	60.9	130	123	396	11.0-147			5.74	35
Naphthalene	49.5	2.44	64.1	76.7	125	150	396	10.0-160			17.9	36
n-Propylbenzene	49.5	11.4	76.4	82.2	131	143	396	10.0-158			7.31	38

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1704355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704355-01 02/14/24 06:18 • (MS) R4033681-4 02/14/24 07:36 • (MSD) R4033681-5 02/14/24 07:56

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 %
Styrene	49.5	U	61.7	61.6	125	124	396	10.0-160			0.162	40
1,1,1,2-Tetrachloroethane	49.5	U	68.6	71.4	139	144	396	10.0-149			4.00	39
1,1,2,2-Tetrachloroethane	49.5	U	48.8	49.5	98.6	100	396	10.0-160			1.42	35
1,1,2-Trichlorotrifluoroethane	49.5	U	59.2	55.9	120	113	396	10.0-160			5.73	36
Tetrachloroethene	49.5	U	69.6	70.8	141	143	396	10.0-156			1.71	39
Toluene	49.5	U	59.4	59.9	120	121	396	10.0-156			0.838	38
1,2,3-Trichlorobenzene	49.5	U	65.7	72.7	133	147	396	10.0-160			10.1	40
1,2,4-Trichlorobenzene	49.5	U	64.6	76.9	131	155	396	10.0-160			17.4	40
1,1,1-Trichloroethane	49.5	U	66.6	66.2	135	134	396	10.0-144			0.602	35
1,1,2-Trichloroethane	49.5	U	59.5	65.5	120	132	396	10.0-160			9.60	35
Trichloroethene	49.5	U	60.8	60.0	123	121	396	10.0-156			1.32	38
Trichlorofluoromethane	49.5	U	69.0	67.3	139	136	396	10.0-160			2.49	40
1,2,3-Trichloropropane	49.5	U	52.5	55.0	106	111	396	10.0-156			4.65	35
1,2,4-Trimethylbenzene	49.5	171	252	272	164	204	396	10.0-160	J5	J5	7.63	36
1,2,3-Trimethylbenzene	49.5	51.5	114	126	126	151	396	10.0-160			10.0	36
1,3,5-Trimethylbenzene	49.5	47.1	113	124	133	155	396	10.0-160			9.28	38
Vinyl chloride	49.5	U	70.5	67.3	142	136	396	10.0-160			4.64	37
Xylenes, Total	148	44.2	240	243	132	134	396	10.0-160			1.24	38
(S) Toluene-d8					101	102		75.0-131				
(S) 4-Bromofluorobenzene					101	98.1		67.0-138				
(S) 1,2-Dichloroethane-d4					109	104		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034007-3 02/14/24 21:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Styrene	U		0.000229	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
(S) Toluene-d8	97.9			75.0-131
(S) 4-Bromofluorobenzene	95.6			67.0-138
(S) 1,2-Dichloroethane-d4	92.6			70.0-130

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

(LCS) R4034007-1 02/14/24 19:25 • (LCSD) R4034007-2 02/14/24 19:44

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 %
Styrene	0.125	0.100	0.109	80.0	87.2	72.0-127			8.61	20
1,2,4-Trimethylbenzene	0.125	0.106	0.117	84.8	93.6	70.0-126			9.87	20
(S) Toluene-d8				92.4	92.8	75.0-131				
(S) 4-Bromofluorobenzene				93.3	95.8	67.0-138				
(S) 1,2-Dichloroethane-d4				96.5	96.3	70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

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

Analyte	MB Result ug/l	<u>MB Qualifier</u>	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 %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	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				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033383-1 02/13/24 14:52

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	60.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4033383-2 02/13/24 15:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	36.4	72.8	50.0-150	
(S) o-Terphenyl			62.5	18.0-148	

L1704217-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704217-07 02/13/24 15:53 • (MS) R4033383-3 02/13/24 16:05 • (MSD) R4033383-4 02/13/24 16:18

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)	60.0	18.6	54.6	57.4	60.0	64.8	10	50.0-150			5.03	20
(S) o-Terphenyl					43.5	47.0		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standard for Hydraulic Oil.

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4033013-1 02/13/24 01:54

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	44.6			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4033013-2 02/13/24 02:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	25.4	50.8	50.0-150	
(S) o-Terphenyl			44.6	18.0-148	

L1704699-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704699-03 02/13/24 02:33 • (MS) R4033013-3 02/13/24 06:35 • (MSD) R4033013-4 02/13/24 06:48

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)	49.2	1070	1590	1320	1020	490	100	50.0-150	V	V	18.6	20
(S) o-Terphenyl					0.000	0.000		18.0-148	J7	J7		

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034443-3 02/12/24 18:58

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	94.5			31.0-160
(S) 2-Fluorobiphenyl	94.0			48.0-148
(S) p-Terphenyl-d14	95.0			37.0-146

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4034443-1 02/12/24 17:38 • (LCSD) R4034443-2 02/12/24 18:40

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	1.88	1.89	94.0	94.5	67.0-150			0.531	20
Acenaphthene	2.00	1.80	1.78	90.0	89.0	65.0-138			1.12	20
Acenaphthylene	2.00	2.02	1.97	101	98.5	66.0-140			2.51	20
Benzo(a)anthracene	2.00	1.88	1.83	94.0	91.5	61.0-140			2.70	20
Benzo(a)pyrene	2.00	1.77	1.83	88.5	91.5	60.0-143			3.33	20
Benzo(b)fluoranthene	2.00	1.82	1.90	91.0	95.0	58.0-141			4.30	20
Benzo(g,h,i)perylene	2.00	1.76	1.81	88.0	90.5	52.0-153			2.80	20
Benzo(k)fluoranthene	2.00	1.77	1.87	88.5	93.5	58.0-148			5.49	20
Chrysene	2.00	1.94	1.94	97.0	97.0	64.0-144			0.000	20
Dibenz(a,h)anthracene	2.00	1.74	1.75	87.0	87.5	52.0-155			0.573	20
Fluoranthene	2.00	1.98	1.95	99.0	97.5	69.0-153			1.53	20

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

(LCS) R4034443-1 02/12/24 17:38 • (LCSD) R4034443-2 02/12/24 18:40

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	2.05	1.98	103	99.0	64.0-136			3.47	20
Indeno(1,2,3-cd)pyrene	2.00	1.70	1.77	85.0	88.5	54.0-153			4.03	20
Naphthalene	2.00	1.94	1.94	97.0	97.0	61.0-137			0.000	20
Phenanthrene	2.00	1.89	1.92	94.5	96.0	62.0-137			1.57	20
Pyrene	2.00	1.88	1.88	94.0	94.0	60.0-142			0.000	20
1-Methylnaphthalene	2.00	2.03	2.03	102	102	66.0-142			0.000	20
2-Methylnaphthalene	2.00	1.98	2.01	99.0	100	62.0-136			1.50	20
2-Chloronaphthalene	2.00	1.96	1.96	98.0	98.0	64.0-140			0.000	20
(S) Nitrobenzene-d5				100	102	31.0-160				
(S) 2-Fluorobiphenyl				97.0	96.0	48.0-148				
(S) p-Terphenyl-d14				93.0	93.0	37.0-146				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4035227-3 02/17/24 13:53

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	108			31.0-160
(S) 2-Fluorobiphenyl	94.0			48.0-148
(S) p-Terphenyl-d14	90.5			37.0-146

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4035227-1 02/17/24 13:18 • (LCSD) R4035227-2 02/17/24 13:35

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	1.91	1.94	95.5	97.0	67.0-150			1.56	20
Acenaphthene	2.00	1.82	1.86	91.0	93.0	65.0-138			2.17	20
Acenaphthylene	2.00	1.96	2.00	98.0	100	66.0-140			2.02	20
Benzo(a)anthracene	2.00	1.92	1.99	96.0	99.5	61.0-140			3.58	20
Benzo(a)pyrene	2.00	1.75	1.83	87.5	91.5	60.0-143			4.47	20
Benzo(b)fluoranthene	2.00	1.85	1.91	92.5	95.5	58.0-141			3.19	20
Benzo(g,h,i)perylene	2.00	1.86	1.94	93.0	97.0	52.0-153			4.21	20
Benzo(k)fluoranthene	2.00	1.69	1.79	84.5	89.5	58.0-148			5.75	20
Chrysene	2.00	1.90	1.95	95.0	97.5	64.0-144			2.60	20
Dibenz(a,h)anthracene	2.00	1.91	1.98	95.5	99.0	52.0-155			3.60	20
Fluoranthene	2.00	2.00	2.04	100	102	69.0-153			1.98	20

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

(LCS) R4035227-1 02/17/24 13:18 • (LCSD) R4035227-2 02/17/24 13:35

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	1.97	1.99	98.5	99.5	64.0-136			1.01	20
Indeno(1,2,3-cd)pyrene	2.00	1.89	1.93	94.5	96.5	54.0-153			2.09	20
Naphthalene	2.00	1.97	2.00	98.5	100	61.0-137			1.51	20
Phenanthrene	2.00	1.98	2.03	99.0	102	62.0-137			2.49	20
Pyrene	2.00	1.86	1.94	93.0	97.0	60.0-142			4.21	20
1-Methylnaphthalene	2.00	2.02	2.05	101	103	66.0-142			1.47	20
2-Methylnaphthalene	2.00	1.97	1.99	98.5	99.5	62.0-136			1.01	20
2-Chloronaphthalene	2.00	1.93	1.97	96.5	98.5	64.0-140			2.05	20
(S) Nitrobenzene-d5				110	111	31.0-160				
(S) 2-Fluorobiphenyl				94.0	95.0	48.0-148				
(S) p-Terphenyl-d14				87.5	90.5	37.0-146				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4034360-2 02/14/24 18:21

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	107			23.0-120
(S) Nitrobenzene-d5	104			14.0-149
(S) 2-Fluorobiphenyl	96.9			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4034360-1 02/14/24 18:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0752	94.0	50.0-126	
Acenaphthene	0.0800	0.0706	88.3	50.0-120	
Acenaphthylene	0.0800	0.0763	95.4	50.0-120	
Benzo(a)anthracene	0.0800	0.0765	95.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0694	86.8	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0768	96.0	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0780	97.5	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0782	97.8	49.0-125	
Chrysene	0.0800	0.0849	106	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0762	95.3	47.0-125	
Fluoranthene	0.0800	0.0800	100	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4034360-1 02/14/24 18:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0786	98.2	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0748	93.5	46.0-125	
Naphthalene	0.0800	0.0745	93.1	50.0-120	
Phenanthrene	0.0800	0.0782	97.8	47.0-120	
Pyrene	0.0800	0.0805	101	43.0-123	
1-Methylnaphthalene	0.0800	0.0790	98.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0760	95.0	50.0-120	
2-Chloronaphthalene	0.0800	0.0744	93.0	50.0-120	
(S) p-Terphenyl-d14			98.1	23.0-120	
(S) Nitrobenzene-d5			99.4	14.0-149	
(S) 2-Fluorobiphenyl			97.6	34.0-125	

L1704600-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704600-12 02/14/24 23:58 • (MS) R4034360-3 02/15/24 00:15 • (MSD) R4034360-4 02/15/24 00:33

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 %
Anthracene	0.0841	U	0.0860	0.0882	102	105	1	10.0-145			2.52	30
Acenaphthene	0.0841	U	0.0727	0.0737	86.5	88.1	1	14.0-127			1.35	27
Acenaphthylene	0.0841	U	0.0855	0.0871	102	104	1	21.0-124			1.90	25
Benzo(a)anthracene	0.0841	0.00371	0.0959	0.100	110	115	1	10.0-139			4.36	30
Benzo(a)pyrene	0.0841	0.00627	0.0851	0.0871	93.7	96.6	1	10.0-141			2.29	31
Benzo(b)fluoranthene	0.0841	0.00755	0.0789	0.0845	84.8	91.9	1	10.0-140			6.84	36
Benzo(g,h,i)perylene	0.0841	0.00844	0.0826	0.0879	88.2	94.9	1	10.0-140			6.17	33
Benzo(k)fluoranthene	0.0841	U	0.0678	0.0708	80.6	84.6	1	10.0-137			4.27	31
Chrysene	0.0841	0.00691	0.0969	0.117	107	132	1	10.0-145			19.0	30
Dibenz(a,h)anthracene	0.0841	U	0.0771	0.0779	91.7	93.1	1	10.0-132			0.989	31
Fluoranthene	0.0841	0.00675	0.0971	0.101	107	112	1	10.0-153			3.55	33
Fluorene	0.0841	U	0.0862	0.0872	102	104	1	11.0-130			1.14	29
Indeno(1,2,3-cd)pyrene	0.0841	0.00459	0.0832	0.0853	93.4	96.5	1	10.0-137			2.60	32
Naphthalene	0.0841	U	0.0757	0.0777	90.0	92.8	1	10.0-135			2.57	27
Phenanthrene	0.0841	0.00645	0.0933	0.0983	103	110	1	10.0-144			5.15	31
Pyrene	0.0841	0.00873	0.0899	0.0955	96.5	104	1	10.0-148			6.02	35
1-Methylnaphthalene	0.0841	U	0.0835	0.0857	99.2	102	1	10.0-142			2.59	28
2-Methylnaphthalene	0.0841	U	0.0826	0.0852	98.2	102	1	10.0-137			3.13	28
2-Chloronaphthalene	0.0841	U	0.0763	0.0765	90.0	90.8	1	29.0-120			0.287	24
(S) p-Terphenyl-d14					89.0	84.0		23.0-120				
(S) Nitrobenzene-d5					106	97.1		14.0-149				
(S) 2-Fluorobiphenyl					96.9	90.5		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034341-2 02/14/24 02:24

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	99.4			23.0-120
(S) Nitrobenzene-d5	65.5			14.0-149
(S) 2-Fluorobiphenyl	103			34.0-125

Laboratory Control Sample (LCS)

(LCS) R4034341-1 02/14/24 02:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0708	88.5	50.0-126	
Acenaphthene	0.0800	0.0733	91.6	50.0-120	
Acenaphthylene	0.0800	0.0657	82.1	50.0-120	
Benzo(a)anthracene	0.0800	0.0695	86.9	45.0-120	
Benzo(a)pyrene	0.0800	0.0609	76.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0829	104	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0777	97.1	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0749	93.6	49.0-125	
Chrysene	0.0800	0.0790	98.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0774	96.8	47.0-125	
Fluoranthene	0.0800	0.0780	97.5	49.0-129	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4034341-1 02/14/24 02:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0703	87.9	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0731	91.4	46.0-125	
Naphthalene	0.0800	0.0744	93.0	50.0-120	
Phenanthrene	0.0800	0.0793	99.1	47.0-120	
Pyrene	0.0800	0.0785	98.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0766	95.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0747	93.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0715	89.4	50.0-120	
(S) p-Terphenyl-d14			114	23.0-120	
(S) Nitrobenzene-d5			101	14.0-149	
(S) 2-Fluorobiphenyl			101	34.0-125	

L1704598-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704598-02 02/14/24 08:19 • (MS) R4034341-3 02/14/24 08:37 • (MSD) R4034341-4 02/14/24 08:55

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 %
Anthracene	0.129	0.0212	0.0819	0.105	47.0	65.0	1	10.0-145			24.9	30
Acenaphthene	0.129	0.00545	0.0745	0.104	53.5	76.3	1	14.0-127		J3	33.1	27
Acenaphthylene	0.129	0.0201	0.0827	0.109	48.5	68.9	1	21.0-124		J3	27.6	25
Benzo(a)anthracene	0.129	0.126	0.143	0.179	12.5	41.0	1	10.0-139			22.9	30
Benzo(a)pyrene	0.129	0.136	0.145	0.184	7.07	37.1	1	10.0-141	J6		23.5	31
Benzo(b)fluoranthene	0.129	0.197	0.176	0.215	0.000	13.9	1	10.0-140	J6		20.0	36
Benzo(g,h,i)perylene	0.129	0.0957	0.124	0.160	21.7	49.7	1	10.0-140			25.5	33
Benzo(k)fluoranthene	0.129	0.0742	0.111	0.153	28.4	60.7	1	10.0-137		J3	31.7	31
Chrysene	0.129	0.170	0.163	0.204	0.000	26.5	1	10.0-145	J6		22.5	30
Dibenz(a,h)anthracene	0.129	0.0207	0.0884	0.115	52.4	73.2	1	10.0-132			26.4	31
Fluoranthene	0.129	0.282	0.210	0.243	0.000	0.000	1	10.0-153	J6	J6	14.4	33
Fluorene	0.129	0.0114	0.0827	0.111	55.2	77.4	1	11.0-130		J3	29.6	29
Indeno(1,2,3-cd)pyrene	0.129	0.0962	0.131	0.163	26.8	51.6	1	10.0-137			21.9	32
Naphthalene	0.129	U	0.0783	0.102	60.6	79.2	1	10.0-135			26.6	27
Phenanthrene	0.129	0.176	0.143	0.205	0.000	22.7	1	10.0-144	J6	J3	35.6	31
Pyrene	0.129	0.318	0.212	0.269	0.000	0.000	1	10.0-148	J6	J6	23.7	35
1-Methylnaphthalene	0.129	U	0.0783	0.106	55.3	77.2	1	10.0-142		J3	30.5	28
2-Methylnaphthalene	0.129	U	0.0752	0.103	58.2	79.5	1	10.0-137		J3	31.0	28
2-Chloronaphthalene	0.129	U	0.0776	0.0900	60.0	69.6	1	29.0-120			14.8	24
(S) p-Terphenyl-d14					86.8	80.3		23.0-120				
(S) Nitrobenzene-d5					86.3	79.2		14.0-149				
(S) 2-Fluorobiphenyl					70.7	61.1		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

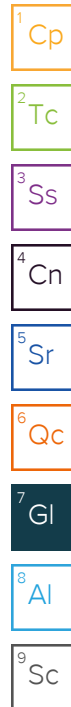
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



GLOSSARY OF TERMS

Qualifier	Description
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

ACCREDITATIONS & LOCATIONS

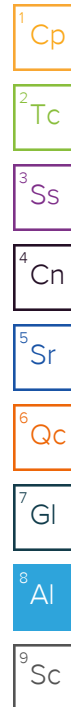
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 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 _____	
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Project Name: Sukhwinder Rai Property

Project #: 2060.012.005

Sampler Name: B. Warner, R. Kemp

run trip blank for VOCs 8260
per request of Braedon
Warner-bjf 02/20/24

					Sample Preservative									
					Solids: Liquids:	Solids: Liquids:	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 6020B (Field Filtered)	Total Pb by EPA 6020B	GRO and VOCs by EPA TO-15		Comments	
P7-S1	2/7/24	900	S	2	X	X	X	X		X			U1704331	
P7-S2		905											-01	
P7-S3		910											-02	
P7-S4		915											-03	
P7-S5		920			X	X	X			X			-04	
P7-S6		925											-05	
P7-S7		930			X		X						-06	
P7-S8		935											-07	
P7-S9		940											-08	
P7-S10		945											-09	
P7-S1-D		901											-10	
P7		910	W	12	X	X	X	X	X				-11	
P7-D		911	W	12	X	X	X	X	X				-12	
P8-S1		1015	S	2	X	X	X	X					-13	
P8-S2		1020	S	2									-14	
													-15	

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 field. 3 coolers. 1 Summit box w/ 2 Summits.
(one unsealed)

Relinquished By: R. Salzwedel - Kemp	Agency/Agent: GSI Water Solutions	Received By: Eli Dossett	Agency/Agent: Pace
Signature: [Signature]	Time & Date: 2/8/2024 13:20	Signature: [Signature]	Time & Date: 900/2-09-24
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

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 _____
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Project Name: Sukhwinder Rai Property Project #: 2060.012.005 Sampler Name: B. Warner, R. Kemp	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th align="center" colspan="8">Sample Preservative</th> </tr> <tr> <td style="width:12.5%; height: 40px;">Solids: Liquids:</td> <td style="width:12.5%; height: 40px;">Solids: Liquids:</td> <td style="width:12.5%; height: 40px;">Solids: Liquids:</td> <td style="width:12.5%; height: 40px;">Solids: Liquids:</td> <td style="width:12.5%; height: 40px;"></td> <td style="width:12.5%; height: 40px;"></td> <td style="width:12.5%; height: 40px;"></td> <td style="width:12.5%; height: 40px;"></td> </tr> </table>	Sample Preservative								Solids: Liquids:	Solids: Liquids:	Solids: Liquids:	Solids: Liquids:				
Sample Preservative																	
Solids: Liquids:	Solids: Liquids:	Solids: Liquids:	Solids: Liquids:														

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	TPH Gasoline by NMTPH-Gx	TPH as Diesel by NMTPH-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	Comments
P8-S3	2/7/24	1028	S	2	X	X	X					L1704331
P8-S4		1030	S	2	X	X	X	X		X		-16
P8-S4-D		1031	S	2	X	X	X	X				-17
P8		1020	W	12	X	X	X	X	X			-18
P9-S1		1110	S	2								-19
P9-S2		1115	S	2								-20
P9-S3		1120	S	2	X	X	X	X		X		-21
P9-S4		1128	S	2								-22
P9-S5		1130	S	2	X	X	X					-23
P9-S6		1135	S	2								-24
P9-S7		1140	S	2								-25
P9-S8		1145	S	2								-26
P9		1145	W	12	X	X	X	X	X			-27
IDW-W		1320	W	12	X	X	X			X		-28
IDW-S		1245	S	2								-29

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

Return non-analytical sample on hold

Relinquished By: <u>R. Kemp</u> Signature: <u>R. Kemp</u>	Agency/Agent: <u>GSI Water Solutions</u> Time & Date: <u>13:20 2/8/2024</u>	Received By: <u>Eli Dossett</u> Signature: <u>E. Dossett</u> 17	Agency/Agent: <u>Pace</u> Time & Date: <u>900/209-24</u>
Relinquished By: Signature:	Agency/Agent: Time & Date:	Received By: Signature:	Agency/Agent: Time & Date:

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.

[illegible]

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.