

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1700825

Samples Received: 01/31/2024

Project Number:

Description:

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

Entire Report Reviewed By:

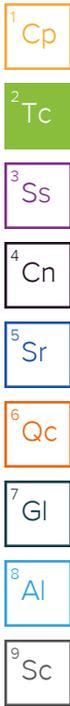


Shane Gambill
Project Manager

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.

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SAMPLE SUMMARY

P1-S1 L1700825-01 Solid

Collected by
Collected date/time
Received date/time

01/29/24 08:45 01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217999	1	02/01/24 15:37	02/01/24 15:49	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2221502	5	02/07/24 14:14	02/07/24 16:35	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 08:45	02/04/24 02:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218683	1	01/29/24 08:45	02/02/24 15:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 11:36	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/02/24 23:48	MKM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

P1-S2 L1700825-02 Solid

Collected by
Collected date/time
Received date/time

01/29/24 08:50 01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 08:50	02/04/24 02:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218683	1	01/29/24 08:50	02/02/24 15:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 03:04	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/06/24 03:45	MKM	Mt. Juliet, TN

P1 L1700825-06 GW

Collected by
Collected date/time
Received date/time

01/29/24 10:00 01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2218077	1	02/06/24 08:25	02/06/24 13:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219559	1	02/04/24 18:50	02/04/24 18:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2217601	1	02/01/24 03:45	02/01/24 03:45	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218526	1.09	02/02/24 10:27	02/05/24 11:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2217577	1	02/01/24 08:17	02/01/24 23:11	AGW	Mt. Juliet, TN

P2-S3 L1700825-09 Solid

Collected by
Collected date/time
Received date/time

01/29/24 11:10 01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2221502	5	02/07/24 14:14	02/07/24 16:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 11:10	02/04/24 02:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218683	1	01/29/24 11:10	02/02/24 15:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 03:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/06/24 04:03	AGW	Mt. Juliet, TN

P2 L1700825-12 GW

Collected by
Collected date/time
Received date/time

01/29/24 11:15 01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2218077	1	02/06/24 08:25	02/06/24 13:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2220093	1	02/05/24 13:31	02/05/24 13:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2217601	1	02/01/24 04:06	02/01/24 04:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218526	1.18	02/02/24 10:27	02/05/24 12:08	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2217577	1	02/01/24 08:17	02/01/24 23:28	AGW	Mt. Juliet, TN

SAMPLE SUMMARY

P3-S2 L1700825-14 Solid

Collected by
Collected date/time
Received date/time

01/29/24 12:05
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 12:05	02/04/24 03:06	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218683	1	01/29/24 12:05	02/02/24 15:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 03:29	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/06/24 04:23	AGW	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

P3 L1700825-18 GW

Collected by
Collected date/time
Received date/time

01/29/24 12:50
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2218077	1	02/06/24 08:25	02/06/24 13:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2220093	1	02/05/24 13:53	02/05/24 13:53	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2217601	1	02/01/24 04:27	02/01/24 04:27	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218526	1.14	02/02/24 10:27	02/05/24 12:28	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2217577	2	02/01/24 08:17	02/02/24 00:04	AGW	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

P4-S1 L1700825-19 Solid

Collected by
Collected date/time
Received date/time

01/29/24 13:05
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2218078	5	02/01/24 14:20	02/02/24 16:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 13:05	02/04/24 03:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218683	1	01/29/24 13:05	02/02/24 16:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 03:41	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/06/24 04:42	AGW	Mt. Juliet, TN

9 Sc

P4 L1700825-24 GW

Collected by
Collected date/time
Received date/time

01/29/24 15:00
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2218077	1	02/06/24 08:25	02/06/24 13:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2220093	1	02/05/24 14:16	02/05/24 14:16	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2217601	1	02/01/24 04:48	02/01/24 04:48	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218526	1.18	02/02/24 10:27	02/05/24 12:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2217577	3	02/01/24 08:17	02/02/24 00:22	AGW	Mt. Juliet, TN

P5-S2 L1700825-26 Solid

Collected by
Collected date/time
Received date/time

01/29/24 14:25
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 14:25	02/04/24 03:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218733	1	01/29/24 14:25	02/02/24 11:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 11:49	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/03/24 01:17	MKM	Mt. Juliet, TN

SAMPLE SUMMARY

P5-S3 L1700825-27 Solid

Collected by
Collected date/time
Received date/time

01/29/24 14:30
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218001	1	02/01/24 15:19	02/01/24 15:31	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218691	25	01/29/24 14:30	02/04/24 04:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218733	1	01/29/24 14:30	02/02/24 11:47	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218102	1	02/01/24 17:19	02/02/24 10:47	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2218419	1	02/02/24 09:44	02/06/24 05:02	AGW	Mt. Juliet, TN

P5 L1700825-30 GW

Collected by
Collected date/time
Received date/time

01/29/24 15:50
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2220093	1	02/05/24 16:10	02/05/24 16:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2217601	1	02/01/24 05:09	02/01/24 05:09	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2218526	1.54	02/02/24 10:27	02/05/24 13:09	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2219139	1	02/03/24 07:55	02/06/24 09:06	AGW	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CASE NARRATIVE

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



Shane Gambill
Project Manager



Report Revision History

Level II Report - Version 1: 02/09/24 09:23

Project Narrative

Revision: Sample Id for PS-S1 and PS-S2 was changed to P1-S1 and P1-S2 per the chain of custody.

Sample Delivery Group (SDG) Narrative

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>
L1700825-06	P1	NWTPHDX-NO SGT
L1700825-12	P2	NWTPHDX-NO SGT
L1700825-18	P3	NWTPHDX-NO SGT
L1700825-24	P4	NWTPHDX-NO SGT
L1700825-30	P5	NWTPHDX-NO SGT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	71.6		1	02/01/2024 15:49	WG2217999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Lead	11.2		0.138	2.79	5	02/07/2024 16:35	WG2221502

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		1.56	4.60	25	02/04/2024 02:08	WG2218691
(S) a, a, a-Trifluorotoluene(FID)	92.8			77.0-120		02/04/2024 02:08	WG2218691

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Acetone	U		0.0672	0.0920	1	02/02/2024 15:01	WG2218683
Acrylonitrile	U		0.00665	0.0230	1	02/02/2024 15:01	WG2218683
Benzene	U		0.000860	0.00184	1	02/02/2024 15:01	WG2218683
Bromobenzene	U		0.00166	0.0230	1	02/02/2024 15:01	WG2218683
Bromodichloromethane	U		0.00133	0.00460	1	02/02/2024 15:01	WG2218683
Bromoform	U		0.00215	0.0460	1	02/02/2024 15:01	WG2218683
Bromomethane	U		0.00363	0.0230	1	02/02/2024 15:01	WG2218683
n-Butylbenzene	U		0.00966	0.0230	1	02/02/2024 15:01	WG2218683
sec-Butylbenzene	U		0.00530	0.0230	1	02/02/2024 15:01	WG2218683
tert-Butylbenzene	U		0.00359	0.00920	1	02/02/2024 15:01	WG2218683
Carbon disulfide	U		0.00129	0.0230	1	02/02/2024 15:01	WG2218683
Carbon tetrachloride	U		0.00165	0.00920	1	02/02/2024 15:01	WG2218683
Chlorobenzene	U		0.000387	0.00460	1	02/02/2024 15:01	WG2218683
Chlorodibromomethane	U		0.00113	0.00460	1	02/02/2024 15:01	WG2218683
Chloroethane	U		0.00313	0.00920	1	02/02/2024 15:01	WG2218683
Chloroform	0.00357	B J	0.00190	0.00460	1	02/02/2024 15:01	WG2218683
Chloromethane	U		0.00801	0.0230	1	02/02/2024 15:01	WG2218683
2-Chlorotoluene	U		0.00159	0.00460	1	02/02/2024 15:01	WG2218683
4-Chlorotoluene	U		0.000828	0.00920	1	02/02/2024 15:01	WG2218683
1,2-Dibromo-3-Chloropropane	U		0.00718	0.0460	1	02/02/2024 15:01	WG2218683
1,2-Dibromoethane	U		0.00119	0.00460	1	02/02/2024 15:01	WG2218683
Dibromomethane	U		0.00138	0.00920	1	02/02/2024 15:01	WG2218683
1,2-Dichlorobenzene	U		0.000782	0.00920	1	02/02/2024 15:01	WG2218683
1,3-Dichlorobenzene	U		0.00110	0.00920	1	02/02/2024 15:01	WG2218683
1,4-Dichlorobenzene	U		0.00129	0.00920	1	02/02/2024 15:01	WG2218683
Dichlorodifluoromethane	U		0.00296	0.00920	1	02/02/2024 15:01	WG2218683
1,1-Dichloroethane	U		0.000904	0.00460	1	02/02/2024 15:01	WG2218683
1,2-Dichloroethane	U		0.00119	0.00460	1	02/02/2024 15:01	WG2218683
1,1-Dichloroethene	U		0.00112	0.00460	1	02/02/2024 15:01	WG2218683
cis-1,2-Dichloroethene	U		0.00135	0.00460	1	02/02/2024 15:01	WG2218683
trans-1,2-Dichloroethene	U		0.00191	0.00920	1	02/02/2024 15:01	WG2218683
1,2-Dichloropropane	U		0.00261	0.00920	1	02/02/2024 15:01	WG2218683
1,1-Dichloropropene	U		0.00149	0.00460	1	02/02/2024 15:01	WG2218683
1,3-Dichloropropane	U		0.000922	0.00920	1	02/02/2024 15:01	WG2218683
cis-1,3-Dichloropropene	U		0.00139	0.00460	1	02/02/2024 15:01	WG2218683
trans-1,3-Dichloropropene	U		0.00210	0.00920	1	02/02/2024 15:01	WG2218683
2,2-Dichloropropane	U		0.00254	0.00460	1	02/02/2024 15:01	WG2218683
Di-isopropyl ether	U		0.000755	0.00184	1	02/02/2024 15:01	WG2218683



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		0.00136	0.00460	1	02/02/2024 15:01	WG2218683
Hexachloro-1,3-butadiene	U		0.0110	0.0460	1	02/02/2024 15:01	WG2218683
Isopropylbenzene	U		0.000782	0.00460	1	02/02/2024 15:01	WG2218683
p-Isopropyltoluene	U		0.00469	0.00920	1	02/02/2024 15:01	WG2218683
2-Butanone (MEK)	U		0.117	0.184	1	02/02/2024 15:01	WG2218683
Methylene Chloride	0.0134	J	0.0122	0.0460	1	02/02/2024 15:01	WG2218683
4-Methyl-2-pentanone (MIBK)	U		0.00420	0.0460	1	02/02/2024 15:01	WG2218683
Methyl tert-butyl ether	U		0.000644	0.00184	1	02/02/2024 15:01	WG2218683
Naphthalene	U	C3	0.00898	0.0230	1	02/02/2024 15:01	WG2218683
n-Propylbenzene	U		0.00175	0.00920	1	02/02/2024 15:01	WG2218683
Styrene	U		0.000422	0.0230	1	02/02/2024 15:01	WG2218683
1,1,1,2-Tetrachloroethane	U		0.00175	0.00460	1	02/02/2024 15:01	WG2218683
1,1,2,2-Tetrachloroethane	U		0.00128	0.00460	1	02/02/2024 15:01	WG2218683
1,1,2-Trichlorotrifluoroethane	U		0.00139	0.00460	1	02/02/2024 15:01	WG2218683
Tetrachloroethene	U		0.00165	0.00460	1	02/02/2024 15:01	WG2218683
Toluene	U		0.00239	0.00920	1	02/02/2024 15:01	WG2218683
1,2,3-Trichlorobenzene	U		0.0135	0.0230	1	02/02/2024 15:01	WG2218683
1,2,4-Trichlorobenzene	U		0.00810	0.0230	1	02/02/2024 15:01	WG2218683
1,1,1-Trichloroethane	U		0.00170	0.00460	1	02/02/2024 15:01	WG2218683
1,1,2-Trichloroethane	U		0.00110	0.00460	1	02/02/2024 15:01	WG2218683
Trichloroethene	U		0.00108	0.00184	1	02/02/2024 15:01	WG2218683
Trichlorofluoromethane	U		0.00152	0.00460	1	02/02/2024 15:01	WG2218683
1,2,3-Trichloropropane	U		0.00298	0.0230	1	02/02/2024 15:01	WG2218683
1,2,4-Trimethylbenzene	U		0.00291	0.00920	1	02/02/2024 15:01	WG2218683
1,2,3-Trimethylbenzene	U		0.00291	0.00920	1	02/02/2024 15:01	WG2218683
1,3,5-Trimethylbenzene	U		0.00368	0.00920	1	02/02/2024 15:01	WG2218683
Vinyl chloride	U		0.00214	0.00460	1	02/02/2024 15:01	WG2218683
Xylenes, Total	U		0.00162	0.0120	1	02/02/2024 15:01	WG2218683
(S) Toluene-d8	110			75.0-131		02/02/2024 15:01	WG2218683
(S) 4-Bromofluorobenzene	102			67.0-138		02/02/2024 15:01	WG2218683
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		02/02/2024 15:01	WG2218683

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.86	5.59	1	02/02/2024 11:36	WG2218102
Residual Range Organics (RRO)	U		4.65	14.0	1	02/02/2024 11:36	WG2218102
(S) o-Terphenyl	38.4			18.0-148		02/02/2024 11:36	WG2218102

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		0.00321	0.00838	1	02/02/2024 23:48	WG2218419
Acenaphthene	U		0.00292	0.00838	1	02/02/2024 23:48	WG2218419
Acenaphthylene	U		0.00302	0.00838	1	02/02/2024 23:48	WG2218419
Benzo(a)anthracene	U		0.00242	0.00838	1	02/02/2024 23:48	WG2218419
Benzo(a)pyrene	U		0.00250	0.00838	1	02/02/2024 23:48	WG2218419
Benzo(b)fluoranthene	U		0.00214	0.00838	1	02/02/2024 23:48	WG2218419
Benzo(g,h,i)perylene	U		0.00247	0.00838	1	02/02/2024 23:48	WG2218419
Benzo(k)fluoranthene	U		0.00300	0.00838	1	02/02/2024 23:48	WG2218419
Chrysene	U		0.00324	0.00838	1	02/02/2024 23:48	WG2218419
Dibenz(a,h)anthracene	U		0.00240	0.00838	1	02/02/2024 23:48	WG2218419
Fluoranthene	U		0.00317	0.00838	1	02/02/2024 23:48	WG2218419
Fluorene	U		0.00286	0.00838	1	02/02/2024 23:48	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00253	0.00838	1	02/02/2024 23:48	WG2218419

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		0.00570	0.0279	1	02/02/2024 23:48	WG2218419
Phenanthrene	U		0.00323	0.00838	1	02/02/2024 23:48	WG2218419
Pyrene	U		0.00279	0.00838	1	02/02/2024 23:48	WG2218419
1-Methylnaphthalene	U		0.00627	0.0279	1	02/02/2024 23:48	WG2218419
2-Methylnaphthalene	U		0.00596	0.0279	1	02/02/2024 23:48	WG2218419
2-Chloronaphthalene	U		0.00651	0.0279	1	02/02/2024 23:48	WG2218419
<i>(S)</i> p-Terphenyl-d14	82.4			23.0-120		02/02/2024 23:48	WG2218419
<i>(S)</i> Nitrobenzene-d5	39.1			14.0-149		02/02/2024 23:48	WG2218419
<i>(S)</i> 2-Fluorobiphenyl	58.1			34.0-125		02/02/2024 23:48	WG2218419

- 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
Total Solids	70.3		1	02/01/2024 15:31	WG2218001

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		1.61	4.75	25	02/04/2024 02:27	WG2218691
(S) a,a,a-Trifluorotoluene(FID)	92.8			77.0-120		02/04/2024 02:27	WG2218691

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Acetone	U		0.0694	0.0951	1	02/02/2024 15:20	WG2218683
Acrylonitrile	U		0.00687	0.0238	1	02/02/2024 15:20	WG2218683
Benzene	U		0.000888	0.00190	1	02/02/2024 15:20	WG2218683
Bromobenzene	U		0.00171	0.0238	1	02/02/2024 15:20	WG2218683
Bromodichloromethane	U		0.00138	0.00475	1	02/02/2024 15:20	WG2218683
Bromoform	U		0.00223	0.0475	1	02/02/2024 15:20	WG2218683
Bromomethane	U		0.00375	0.0238	1	02/02/2024 15:20	WG2218683
n-Butylbenzene	U		0.00999	0.0238	1	02/02/2024 15:20	WG2218683
sec-Butylbenzene	U		0.00548	0.0238	1	02/02/2024 15:20	WG2218683
tert-Butylbenzene	U		0.00371	0.00951	1	02/02/2024 15:20	WG2218683
Carbon disulfide	U		0.00133	0.0238	1	02/02/2024 15:20	WG2218683
Carbon tetrachloride	U		0.00171	0.00951	1	02/02/2024 15:20	WG2218683
Chlorobenzene	U		0.000399	0.00475	1	02/02/2024 15:20	WG2218683
Chlorodibromomethane	U		0.00116	0.00475	1	02/02/2024 15:20	WG2218683
Chloroethane	U		0.00323	0.00951	1	02/02/2024 15:20	WG2218683
Chloroform	0.00217	B J	0.00196	0.00475	1	02/02/2024 15:20	WG2218683
Chloromethane	U		0.00827	0.0238	1	02/02/2024 15:20	WG2218683
2-Chlorotoluene	U		0.00165	0.00475	1	02/02/2024 15:20	WG2218683
4-Chlorotoluene	U		0.000856	0.00951	1	02/02/2024 15:20	WG2218683
1,2-Dibromo-3-Chloropropane	U		0.00742	0.0475	1	02/02/2024 15:20	WG2218683
1,2-Dibromoethane	U		0.00123	0.00475	1	02/02/2024 15:20	WG2218683
Dibromomethane	U		0.00143	0.00951	1	02/02/2024 15:20	WG2218683
1,2-Dichlorobenzene	U		0.000808	0.00951	1	02/02/2024 15:20	WG2218683
1,3-Dichlorobenzene	U		0.00114	0.00951	1	02/02/2024 15:20	WG2218683
1,4-Dichlorobenzene	U		0.00133	0.00951	1	02/02/2024 15:20	WG2218683
Dichlorodifluoromethane	U		0.00306	0.00951	1	02/02/2024 15:20	WG2218683
1,1-Dichloroethane	U		0.000934	0.00475	1	02/02/2024 15:20	WG2218683
1,2-Dichloroethane	U		0.00123	0.00475	1	02/02/2024 15:20	WG2218683
1,1-Dichloroethene	U		0.00115	0.00475	1	02/02/2024 15:20	WG2218683
cis-1,2-Dichloroethene	U		0.00140	0.00475	1	02/02/2024 15:20	WG2218683
trans-1,2-Dichloroethene	U		0.00198	0.00951	1	02/02/2024 15:20	WG2218683
1,2-Dichloropropane	U		0.00270	0.00951	1	02/02/2024 15:20	WG2218683
1,1-Dichloropropene	U		0.00154	0.00475	1	02/02/2024 15:20	WG2218683
1,3-Dichloropropane	U		0.000953	0.00951	1	02/02/2024 15:20	WG2218683
cis-1,3-Dichloropropene	U		0.00144	0.00475	1	02/02/2024 15:20	WG2218683
trans-1,3-Dichloropropene	U		0.00217	0.00951	1	02/02/2024 15:20	WG2218683
2,2-Dichloropropane	U		0.00262	0.00475	1	02/02/2024 15:20	WG2218683
Di-isopropyl ether	U		0.000780	0.00190	1	02/02/2024 15:20	WG2218683
Ethylbenzene	U		0.00140	0.00475	1	02/02/2024 15:20	WG2218683
Hexachloro-1,3-butadiene	U		0.0114	0.0475	1	02/02/2024 15:20	WG2218683
Isopropylbenzene	U		0.000808	0.00475	1	02/02/2024 15:20	WG2218683
p-Isopropyltoluene	U		0.00485	0.00951	1	02/02/2024 15:20	WG2218683
2-Butanone (MEK)	U		0.121	0.190	1	02/02/2024 15:20	WG2218683
Methylene Chloride	0.0137	J	0.0126	0.0475	1	02/02/2024 15:20	WG2218683

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		0.00434	0.0475	1	02/02/2024 15:20	WG2218683
Methyl tert-butyl ether	U		0.000666	0.00190	1	02/02/2024 15:20	WG2218683
Naphthalene	U	C3	0.00928	0.0238	1	02/02/2024 15:20	WG2218683
n-Propylbenzene	U		0.00181	0.00951	1	02/02/2024 15:20	WG2218683
Styrene	U		0.000436	0.0238	1	02/02/2024 15:20	WG2218683
1,1,1,2-Tetrachloroethane	U		0.00180	0.00475	1	02/02/2024 15:20	WG2218683
1,1,2,2-Tetrachloroethane	U		0.00132	0.00475	1	02/02/2024 15:20	WG2218683
1,1,2-Trichlorotrifluoroethane	U		0.00143	0.00475	1	02/02/2024 15:20	WG2218683
Tetrachloroethene	U		0.00170	0.00475	1	02/02/2024 15:20	WG2218683
Toluene	U		0.00247	0.00951	1	02/02/2024 15:20	WG2218683
1,2,3-Trichlorobenzene	U		0.0139	0.0238	1	02/02/2024 15:20	WG2218683
1,2,4-Trichlorobenzene	U		0.00837	0.0238	1	02/02/2024 15:20	WG2218683
1,1,1-Trichloroethane	U		0.00176	0.00475	1	02/02/2024 15:20	WG2218683
1,1,2-Trichloroethane	U		0.00114	0.00475	1	02/02/2024 15:20	WG2218683
Trichloroethene	U		0.00111	0.00190	1	02/02/2024 15:20	WG2218683
Trichlorofluoromethane	U		0.00157	0.00475	1	02/02/2024 15:20	WG2218683
1,2,3-Trichloropropane	U		0.00308	0.0238	1	02/02/2024 15:20	WG2218683
1,2,4-Trimethylbenzene	U		0.00301	0.00951	1	02/02/2024 15:20	WG2218683
1,2,3-Trimethylbenzene	U		0.00301	0.00951	1	02/02/2024 15:20	WG2218683
1,3,5-Trimethylbenzene	U		0.00380	0.00951	1	02/02/2024 15:20	WG2218683
Vinyl chloride	U		0.00221	0.00475	1	02/02/2024 15:20	WG2218683
Xylenes, Total	0.00226	J	0.00167	0.0124	1	02/02/2024 15:20	WG2218683
<i>(S) Toluene-d8</i>	110			75.0-131		02/02/2024 15:20	WG2218683
<i>(S) 4-Bromofluorobenzene</i>	103			67.0-138		02/02/2024 15:20	WG2218683
<i>(S) 1,2-Dichloroethane-d4</i>	96.2			70.0-130		02/02/2024 15:20	WG2218683

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.89	5.69	1	02/02/2024 03:04	WG2218102
Residual Range Organics (RRO)	U		4.74	14.2	1	02/02/2024 03:04	WG2218102
<i>(S) o-Terphenyl</i>	34.2			18.0-148		02/02/2024 03:04	WG2218102

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		0.00327	0.00854	1	02/06/2024 03:45	WG2218419
Acenaphthene	U		0.00298	0.00854	1	02/06/2024 03:45	WG2218419
Acenaphthylene	U		0.00307	0.00854	1	02/06/2024 03:45	WG2218419
Benzo(a)anthracene	U		0.00246	0.00854	1	02/06/2024 03:45	WG2218419
Benzo(a)pyrene	U		0.00255	0.00854	1	02/06/2024 03:45	WG2218419
Benzo(b)fluoranthene	U		0.00218	0.00854	1	02/06/2024 03:45	WG2218419
Benzo(g,h,i)perylene	U		0.00252	0.00854	1	02/06/2024 03:45	WG2218419
Benzo(k)fluoranthene	U		0.00306	0.00854	1	02/06/2024 03:45	WG2218419
Chrysene	U		0.00330	0.00854	1	02/06/2024 03:45	WG2218419
Dibenz(a,h)anthracene	U		0.00245	0.00854	1	02/06/2024 03:45	WG2218419
Fluoranthene	U		0.00323	0.00854	1	02/06/2024 03:45	WG2218419
Fluorene	U		0.00292	0.00854	1	02/06/2024 03:45	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00258	0.00854	1	02/06/2024 03:45	WG2218419
Naphthalene	U		0.00581	0.0285	1	02/06/2024 03:45	WG2218419
Phenanthrene	U		0.00329	0.00854	1	02/06/2024 03:45	WG2218419
Pyrene	U		0.00285	0.00854	1	02/06/2024 03:45	WG2218419
1-Methylnaphthalene	U		0.00639	0.0285	1	02/06/2024 03:45	WG2218419
2-Methylnaphthalene	0.0148	J	0.00608	0.0285	1	02/06/2024 03:45	WG2218419
2-Chloronaphthalene	U		0.00663	0.0285	1	02/06/2024 03:45	WG2218419

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	72.7			23.0-120		02/06/2024 03:45	WG2218419
(S) Nitrobenzene-d5	65.6			14.0-149		02/06/2024 03:45	WG2218419
(S) 2-Fluorobiphenyl	61.8			34.0-125		02/06/2024 03:45	WG2218419

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	02/06/2024 13:23	WG2218077

1 Cp

2 Tc

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	32.8	<u>B</u>	31.6	100	1	02/04/2024 18:50	WG2219559
(S) a,a,a-Trifluorotoluene(FID)	96.8			78.0-120		02/04/2024 18:50	WG2219559

3 Ss

4 Cn

5 Sr

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	02/01/2024 03:45	WG2217601
Acrolein	U		2.54	50.0	1	02/01/2024 03:45	WG2217601
Acrylonitrile	U		0.671	10.0	1	02/01/2024 03:45	WG2217601
Benzene	U		0.0941	1.00	1	02/01/2024 03:45	WG2217601
Bromobenzene	U		0.118	1.00	1	02/01/2024 03:45	WG2217601
Bromodichloromethane	U		0.136	1.00	1	02/01/2024 03:45	WG2217601
Bromoform	U		0.129	1.00	1	02/01/2024 03:45	WG2217601
Bromomethane	U		0.605	5.00	1	02/01/2024 03:45	WG2217601
n-Butylbenzene	U		0.157	1.00	1	02/01/2024 03:45	WG2217601
sec-Butylbenzene	U		0.125	1.00	1	02/01/2024 03:45	WG2217601
tert-Butylbenzene	U		0.127	1.00	1	02/01/2024 03:45	WG2217601
Carbon disulfide	U		0.0962	1.00	1	02/01/2024 03:45	WG2217601
Carbon tetrachloride	U		0.128	1.00	1	02/01/2024 03:45	WG2217601
Chlorobenzene	U		0.116	1.00	1	02/01/2024 03:45	WG2217601
Chlorodibromomethane	U		0.140	1.00	1	02/01/2024 03:45	WG2217601
Chloroethane	U		0.192	5.00	1	02/01/2024 03:45	WG2217601
Chloroform	U		0.111	5.00	1	02/01/2024 03:45	WG2217601
Chloromethane	U		0.960	2.50	1	02/01/2024 03:45	WG2217601
2-Chlorotoluene	U		0.106	1.00	1	02/01/2024 03:45	WG2217601
4-Chlorotoluene	U		0.114	1.00	1	02/01/2024 03:45	WG2217601
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/01/2024 03:45	WG2217601
1,2-Dibromoethane	U		0.126	1.00	1	02/01/2024 03:45	WG2217601
Dibromomethane	U		0.122	1.00	1	02/01/2024 03:45	WG2217601
1,2-Dichlorobenzene	U		0.107	1.00	1	02/01/2024 03:45	WG2217601
1,3-Dichlorobenzene	U		0.110	1.00	1	02/01/2024 03:45	WG2217601
1,4-Dichlorobenzene	U		0.120	1.00	1	02/01/2024 03:45	WG2217601
Dichlorodifluoromethane	U		0.374	5.00	1	02/01/2024 03:45	WG2217601
1,1-Dichloroethane	U		0.100	1.00	1	02/01/2024 03:45	WG2217601
1,2-Dichloroethane	U		0.0819	1.00	1	02/01/2024 03:45	WG2217601
1,1-Dichloroethene	U		0.188	1.00	1	02/01/2024 03:45	WG2217601
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/01/2024 03:45	WG2217601
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/01/2024 03:45	WG2217601
1,2-Dichloropropane	U		0.149	1.00	1	02/01/2024 03:45	WG2217601
1,1-Dichloropropene	U		0.142	1.00	1	02/01/2024 03:45	WG2217601
1,3-Dichloropropane	U		0.110	1.00	1	02/01/2024 03:45	WG2217601
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/01/2024 03:45	WG2217601
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/01/2024 03:45	WG2217601
2,2-Dichloropropane	U		0.161	1.00	1	02/01/2024 03:45	WG2217601
Di-isopropyl ether	U		0.105	1.00	1	02/01/2024 03:45	WG2217601
Ethylbenzene	0.320	<u>J</u>	0.137	1.00	1	02/01/2024 03:45	WG2217601
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/01/2024 03:45	WG2217601
Isopropylbenzene	U		0.105	1.00	1	02/01/2024 03:45	WG2217601
p-Isopropyltoluene	U		0.120	1.00	1	02/01/2024 03:45	WG2217601

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	02/01/2024 03:45	WG2217601
Methylene Chloride	U	J4	0.430	5.00	1	02/01/2024 03:45	WG2217601
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/01/2024 03:45	WG2217601
Methyl tert-butyl ether	U		0.101	1.00	1	02/01/2024 03:45	WG2217601
Naphthalene	U		1.00	5.00	1	02/01/2024 03:45	WG2217601
n-Propylbenzene	U		0.0993	1.00	1	02/01/2024 03:45	WG2217601
Styrene	U		0.118	1.00	1	02/01/2024 03:45	WG2217601
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/01/2024 03:45	WG2217601
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/01/2024 03:45	WG2217601
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	02/01/2024 03:45	WG2217601
Tetrachloroethene	U		0.300	1.00	1	02/01/2024 03:45	WG2217601
Toluene	0.363	J	0.278	1.00	1	02/01/2024 03:45	WG2217601
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/01/2024 03:45	WG2217601
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/01/2024 03:45	WG2217601
1,1,1-Trichloroethane	U		0.149	1.00	1	02/01/2024 03:45	WG2217601
1,1,2-Trichloroethane	U		0.158	1.00	1	02/01/2024 03:45	WG2217601
Trichloroethene	U		0.190	1.00	1	02/01/2024 03:45	WG2217601
Trichlorofluoromethane	U		0.160	5.00	1	02/01/2024 03:45	WG2217601
1,2,3-Trichloropropane	U		0.237	2.50	1	02/01/2024 03:45	WG2217601
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/01/2024 03:45	WG2217601
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 03:45	WG2217601
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 03:45	WG2217601
Vinyl chloride	U		0.234	1.00	1	02/01/2024 03:45	WG2217601
Xylenes, Total	2.19	J	0.174	3.00	1	02/01/2024 03:45	WG2217601
(S) Toluene-d8	94.9			80.0-120		02/01/2024 03:45	WG2217601
(S) 4-Bromofluorobenzene	97.9			77.0-126		02/01/2024 03:45	WG2217601
(S) 1,2-Dichloroethane-d4	86.7			70.0-130		02/01/2024 03:45	WG2217601



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)	40.7	J	36.3	109	1.09	02/05/2024 11:48	WG2218526
Residual Range Organics (RRO)	U		90.8	273	1.09	02/05/2024 11:48	WG2218526
(S) o-Terphenyl	78.3			31.0-160		02/05/2024 11:48	WG2218526

Sample Narrative:

L1700825-06 WG2218526: 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		0.0190	0.0500	1	02/01/2024 23:11	WG2217577
Acenaphthene	U		0.0190	0.0500	1	02/01/2024 23:11	WG2217577
Acenaphthylene	U		0.0171	0.0500	1	02/01/2024 23:11	WG2217577
Benzo(a)anthracene	U		0.0203	0.0500	1	02/01/2024 23:11	WG2217577
Benzo(a)pyrene	U		0.0184	0.0500	1	02/01/2024 23:11	WG2217577
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/01/2024 23:11	WG2217577
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/01/2024 23:11	WG2217577
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/01/2024 23:11	WG2217577
Chrysene	U		0.0179	0.0500	1	02/01/2024 23:11	WG2217577
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/01/2024 23:11	WG2217577
Fluoranthene	U		0.0270	0.100	1	02/01/2024 23:11	WG2217577
Fluorene	U		0.0169	0.0500	1	02/01/2024 23:11	WG2217577
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/01/2024 23:11	WG2217577
Naphthalene	U		0.0917	0.250	1	02/01/2024 23:11	WG2217577

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	0.0194	U	0.0180	0.0500	1	02/01/2024 23:11	WG2217577
Pyrene	U		0.0169	0.0500	1	02/01/2024 23:11	WG2217577
1-Methylnaphthalene	U		0.0687	0.250	1	02/01/2024 23:11	WG2217577
2-Methylnaphthalene	U		0.0674	0.250	1	02/01/2024 23:11	WG2217577
2-Chloronaphthalene	U		0.0682	0.250	1	02/01/2024 23:11	WG2217577
(S) Nitrobenzene-d5	91.6			31.0-160		02/01/2024 23:11	WG2217577
(S) 2-Fluorobiphenyl	101			48.0-148		02/01/2024 23:11	WG2217577
(S) p-Terphenyl-d14	103			37.0-146		02/01/2024 23:11	WG2217577

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
Total Solids	70.3		1	02/01/2024 15:31	WG2218001

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Lead	8.04		0.141	2.84	5	02/07/2024 16:51	WG2221502

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		1.59	4.69	25	02/04/2024 02:47	WG2218691
(S) a, a, a-Trifluorotoluene(FID)	92.3			77.0-120		02/04/2024 02:47	WG2218691

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Acetone	U		0.0685	0.0939	1	02/02/2024 15:39	WG2218683
Acrylonitrile	U		0.00678	0.0235	1	02/02/2024 15:39	WG2218683
Benzene	U		0.000877	0.00188	1	02/02/2024 15:39	WG2218683
Bromobenzene	U		0.00169	0.0235	1	02/02/2024 15:39	WG2218683
Bromodichloromethane	U		0.00136	0.00469	1	02/02/2024 15:39	WG2218683
Bromoform	U		0.00220	0.0469	1	02/02/2024 15:39	WG2218683
Bromomethane	U		0.00370	0.0235	1	02/02/2024 15:39	WG2218683
n-Butylbenzene	U		0.00985	0.0235	1	02/02/2024 15:39	WG2218683
sec-Butylbenzene	U		0.00541	0.0235	1	02/02/2024 15:39	WG2218683
tert-Butylbenzene	U		0.00366	0.00939	1	02/02/2024 15:39	WG2218683
Carbon disulfide	U		0.00131	0.0235	1	02/02/2024 15:39	WG2218683
Carbon tetrachloride	U		0.00169	0.00939	1	02/02/2024 15:39	WG2218683
Chlorobenzene	U		0.000394	0.00469	1	02/02/2024 15:39	WG2218683
Chlorodibromomethane	U		0.00115	0.00469	1	02/02/2024 15:39	WG2218683
Chloroethane	U		0.00319	0.00939	1	02/02/2024 15:39	WG2218683
Chloroform	0.00244	B J	0.00193	0.00469	1	02/02/2024 15:39	WG2218683
Chloromethane	U		0.00817	0.0235	1	02/02/2024 15:39	WG2218683
2-Chlorotoluene	U		0.00162	0.00469	1	02/02/2024 15:39	WG2218683
4-Chlorotoluene	U		0.000845	0.00939	1	02/02/2024 15:39	WG2218683
1,2-Dibromo-3-Chloropropane	U		0.00732	0.0469	1	02/02/2024 15:39	WG2218683
1,2-Dibromoethane	U		0.00122	0.00469	1	02/02/2024 15:39	WG2218683
Dibromomethane	U		0.00141	0.00939	1	02/02/2024 15:39	WG2218683
1,2-Dichlorobenzene	U		0.000798	0.00939	1	02/02/2024 15:39	WG2218683
1,3-Dichlorobenzene	U		0.00113	0.00939	1	02/02/2024 15:39	WG2218683
1,4-Dichlorobenzene	U		0.00131	0.00939	1	02/02/2024 15:39	WG2218683
Dichlorodifluoromethane	U		0.00302	0.00939	1	02/02/2024 15:39	WG2218683
1,1-Dichloroethane	U		0.000922	0.00469	1	02/02/2024 15:39	WG2218683
1,2-Dichloroethane	U		0.00122	0.00469	1	02/02/2024 15:39	WG2218683
1,1-Dichloroethene	U		0.00114	0.00469	1	02/02/2024 15:39	WG2218683
cis-1,2-Dichloroethene	U		0.00138	0.00469	1	02/02/2024 15:39	WG2218683
trans-1,2-Dichloroethene	U		0.00195	0.00939	1	02/02/2024 15:39	WG2218683
1,2-Dichloropropane	U		0.00267	0.00939	1	02/02/2024 15:39	WG2218683
1,1-Dichloropropene	U		0.00152	0.00469	1	02/02/2024 15:39	WG2218683
1,3-Dichloropropane	U		0.000940	0.00939	1	02/02/2024 15:39	WG2218683
cis-1,3-Dichloropropene	U		0.00142	0.00469	1	02/02/2024 15:39	WG2218683
trans-1,3-Dichloropropene	U		0.00214	0.00939	1	02/02/2024 15:39	WG2218683
2,2-Dichloropropane	U		0.00259	0.00469	1	02/02/2024 15:39	WG2218683
Di-isopropyl ether	U		0.000770	0.00188	1	02/02/2024 15:39	WG2218683



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		0.00138	0.00469	1	02/02/2024 15:39	WG2218683
Hexachloro-1,3-butadiene	U		0.0113	0.0469	1	02/02/2024 15:39	WG2218683
Isopropylbenzene	U		0.000798	0.00469	1	02/02/2024 15:39	WG2218683
p-Isopropyltoluene	U		0.00479	0.00939	1	02/02/2024 15:39	WG2218683
2-Butanone (MEK)	U		0.119	0.188	1	02/02/2024 15:39	WG2218683
Methylene Chloride	0.0150	J	0.0125	0.0469	1	02/02/2024 15:39	WG2218683
4-Methyl-2-pentanone (MIBK)	U		0.00428	0.0469	1	02/02/2024 15:39	WG2218683
Methyl tert-butyl ether	U		0.000657	0.00188	1	02/02/2024 15:39	WG2218683
Naphthalene	U	C3	0.00916	0.0235	1	02/02/2024 15:39	WG2218683
n-Propylbenzene	U		0.00178	0.00939	1	02/02/2024 15:39	WG2218683
Styrene	U		0.000430	0.0235	1	02/02/2024 15:39	WG2218683
1,1,1,2-Tetrachloroethane	U		0.00178	0.00469	1	02/02/2024 15:39	WG2218683
1,1,2,2-Tetrachloroethane	U		0.00130	0.00469	1	02/02/2024 15:39	WG2218683
1,1,2-Trichlorotrifluoroethane	U		0.00142	0.00469	1	02/02/2024 15:39	WG2218683
Tetrachloroethene	U		0.00168	0.00469	1	02/02/2024 15:39	WG2218683
Toluene	U		0.00244	0.00939	1	02/02/2024 15:39	WG2218683
1,2,3-Trichlorobenzene	U		0.0138	0.0235	1	02/02/2024 15:39	WG2218683
1,2,4-Trichlorobenzene	U		0.00826	0.0235	1	02/02/2024 15:39	WG2218683
1,1,1-Trichloroethane	U		0.00173	0.00469	1	02/02/2024 15:39	WG2218683
1,1,2-Trichloroethane	U		0.00112	0.00469	1	02/02/2024 15:39	WG2218683
Trichloroethene	U		0.00110	0.00188	1	02/02/2024 15:39	WG2218683
Trichlorofluoromethane	U		0.00155	0.00469	1	02/02/2024 15:39	WG2218683
1,2,3-Trichloropropane	U		0.00304	0.0235	1	02/02/2024 15:39	WG2218683
1,2,4-Trimethylbenzene	U		0.00297	0.00939	1	02/02/2024 15:39	WG2218683
1,2,3-Trimethylbenzene	U		0.00297	0.00939	1	02/02/2024 15:39	WG2218683
1,3,5-Trimethylbenzene	U		0.00375	0.00939	1	02/02/2024 15:39	WG2218683
Vinyl chloride	U		0.00218	0.00469	1	02/02/2024 15:39	WG2218683
Xylenes, Total	U		0.00165	0.0122	1	02/02/2024 15:39	WG2218683
(S) Toluene-d8	110			75.0-131		02/02/2024 15:39	WG2218683
(S) 4-Bromofluorobenzene	102			67.0-138		02/02/2024 15:39	WG2218683
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		02/02/2024 15:39	WG2218683

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.89	5.69	1	02/02/2024 03:16	WG2218102
Residual Range Organics (RRO)	U		4.74	14.2	1	02/02/2024 03:16	WG2218102
(S) o-Terphenyl	35.3			18.0-148		02/02/2024 03:16	WG2218102

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		0.00327	0.00853	1	02/06/2024 04:03	WG2218419
Acenaphthene	U		0.00297	0.00853	1	02/06/2024 04:03	WG2218419
Acenaphthylene	U		0.00307	0.00853	1	02/06/2024 04:03	WG2218419
Benzo(a)anthracene	U		0.00246	0.00853	1	02/06/2024 04:03	WG2218419
Benzo(a)pyrene	U		0.00255	0.00853	1	02/06/2024 04:03	WG2218419
Benzo(b)fluoranthene	U		0.00218	0.00853	1	02/06/2024 04:03	WG2218419
Benzo(g,h,i)perylene	U		0.00252	0.00853	1	02/06/2024 04:03	WG2218419
Benzo(k)fluoranthene	U		0.00306	0.00853	1	02/06/2024 04:03	WG2218419
Chrysene	U		0.00330	0.00853	1	02/06/2024 04:03	WG2218419
Dibenz(a,h)anthracene	U		0.00245	0.00853	1	02/06/2024 04:03	WG2218419
Fluoranthene	U		0.00323	0.00853	1	02/06/2024 04:03	WG2218419
Fluorene	U		0.00292	0.00853	1	02/06/2024 04:03	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00257	0.00853	1	02/06/2024 04:03	WG2218419

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		0.00580	0.0284	1	02/06/2024 04:03	WG2218419
Phenanthrene	U		0.00329	0.00853	1	02/06/2024 04:03	WG2218419
Pyrene	U		0.00284	0.00853	1	02/06/2024 04:03	WG2218419
1-Methylnaphthalene	0.00762	J	0.00639	0.0284	1	02/06/2024 04:03	WG2218419
2-Methylnaphthalene	0.0228	J	0.00607	0.0284	1	02/06/2024 04:03	WG2218419
2-Chloronaphthalene	U		0.00663	0.0284	1	02/06/2024 04:03	WG2218419
<i>(S)</i> p-Terphenyl-d14	92.9			23.0-120		02/06/2024 04:03	WG2218419
<i>(S)</i> Nitrobenzene-d5	67.5			14.0-149		02/06/2024 04:03	WG2218419
<i>(S)</i> 2-Fluorobiphenyl	79.1			34.0-125		02/06/2024 04:03	WG2218419

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

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	02/06/2024 13:36	WG2218077

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	98.0	<u>B</u>	31.6	100	1	02/05/2024 13:31	WG2220093
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		02/05/2024 13:31	WG2220093

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	02/01/2024 04:06	WG2217601
Acrolein	U		2.54	50.0	1	02/01/2024 04:06	WG2217601
Acrylonitrile	U		0.671	10.0	1	02/01/2024 04:06	WG2217601
Benzene	U		0.0941	1.00	1	02/01/2024 04:06	WG2217601
Bromobenzene	U		0.118	1.00	1	02/01/2024 04:06	WG2217601
Bromodichloromethane	U		0.136	1.00	1	02/01/2024 04:06	WG2217601
Bromoform	U		0.129	1.00	1	02/01/2024 04:06	WG2217601
Bromomethane	U		0.605	5.00	1	02/01/2024 04:06	WG2217601
n-Butylbenzene	U		0.157	1.00	1	02/01/2024 04:06	WG2217601
sec-Butylbenzene	U		0.125	1.00	1	02/01/2024 04:06	WG2217601
tert-Butylbenzene	U		0.127	1.00	1	02/01/2024 04:06	WG2217601
Carbon disulfide	U		0.0962	1.00	1	02/01/2024 04:06	WG2217601
Carbon tetrachloride	U		0.128	1.00	1	02/01/2024 04:06	WG2217601
Chlorobenzene	U		0.116	1.00	1	02/01/2024 04:06	WG2217601
Chlorodibromomethane	U		0.140	1.00	1	02/01/2024 04:06	WG2217601
Chloroethane	U		0.192	5.00	1	02/01/2024 04:06	WG2217601
Chloroform	U		0.111	5.00	1	02/01/2024 04:06	WG2217601
Chloromethane	U		0.960	2.50	1	02/01/2024 04:06	WG2217601
2-Chlorotoluene	U		0.106	1.00	1	02/01/2024 04:06	WG2217601
4-Chlorotoluene	U		0.114	1.00	1	02/01/2024 04:06	WG2217601
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/01/2024 04:06	WG2217601
1,2-Dibromoethane	U		0.126	1.00	1	02/01/2024 04:06	WG2217601
Dibromomethane	U		0.122	1.00	1	02/01/2024 04:06	WG2217601
1,2-Dichlorobenzene	U		0.107	1.00	1	02/01/2024 04:06	WG2217601
1,3-Dichlorobenzene	U		0.110	1.00	1	02/01/2024 04:06	WG2217601
1,4-Dichlorobenzene	U		0.120	1.00	1	02/01/2024 04:06	WG2217601
Dichlorodifluoromethane	U		0.374	5.00	1	02/01/2024 04:06	WG2217601
1,1-Dichloroethane	U		0.100	1.00	1	02/01/2024 04:06	WG2217601
1,2-Dichloroethane	U		0.0819	1.00	1	02/01/2024 04:06	WG2217601
1,1-Dichloroethene	U		0.188	1.00	1	02/01/2024 04:06	WG2217601
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/01/2024 04:06	WG2217601
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/01/2024 04:06	WG2217601
1,2-Dichloropropane	U		0.149	1.00	1	02/01/2024 04:06	WG2217601
1,1-Dichloropropene	U		0.142	1.00	1	02/01/2024 04:06	WG2217601
1,3-Dichloropropane	U		0.110	1.00	1	02/01/2024 04:06	WG2217601
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/01/2024 04:06	WG2217601
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/01/2024 04:06	WG2217601
2,2-Dichloropropane	U		0.161	1.00	1	02/01/2024 04:06	WG2217601
Di-isopropyl ether	U		0.105	1.00	1	02/01/2024 04:06	WG2217601
Ethylbenzene	U		0.137	1.00	1	02/01/2024 04:06	WG2217601
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/01/2024 04:06	WG2217601
Isopropylbenzene	U		0.105	1.00	1	02/01/2024 04:06	WG2217601
p-Isopropyltoluene	U		0.120	1.00	1	02/01/2024 04:06	WG2217601

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/01/2024 04:06	WG2217601
Methylene Chloride	U	J4	0.430	5.00	1	02/01/2024 04:06	WG2217601
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/01/2024 04:06	WG2217601
Methyl tert-butyl ether	U		0.101	1.00	1	02/01/2024 04:06	WG2217601
Naphthalene	U		1.00	5.00	1	02/01/2024 04:06	WG2217601
n-Propylbenzene	U		0.0993	1.00	1	02/01/2024 04:06	WG2217601
Styrene	U		0.118	1.00	1	02/01/2024 04:06	WG2217601
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/01/2024 04:06	WG2217601
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/01/2024 04:06	WG2217601
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	02/01/2024 04:06	WG2217601
Tetrachloroethene	U		0.300	1.00	1	02/01/2024 04:06	WG2217601
Toluene	U		0.278	1.00	1	02/01/2024 04:06	WG2217601
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/01/2024 04:06	WG2217601
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/01/2024 04:06	WG2217601
1,1,1-Trichloroethane	U		0.149	1.00	1	02/01/2024 04:06	WG2217601
1,1,2-Trichloroethane	U		0.158	1.00	1	02/01/2024 04:06	WG2217601
Trichloroethene	U		0.190	1.00	1	02/01/2024 04:06	WG2217601
Trichlorofluoromethane	U		0.160	5.00	1	02/01/2024 04:06	WG2217601
1,2,3-Trichloropropane	U		0.237	2.50	1	02/01/2024 04:06	WG2217601
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/01/2024 04:06	WG2217601
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:06	WG2217601
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:06	WG2217601
Vinyl chloride	U		0.234	1.00	1	02/01/2024 04:06	WG2217601
Xylenes, Total	U		0.174	3.00	1	02/01/2024 04:06	WG2217601
(S) Toluene-d8	94.1			80.0-120		02/01/2024 04:06	WG2217601
(S) 4-Bromofluorobenzene	95.2			77.0-126		02/01/2024 04:06	WG2217601
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		02/01/2024 04:06	WG2217601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	40.9	J	39.3	118	1.18	02/05/2024 12:08	WG2218526
Residual Range Organics (RRO)	U		98.3	295	1.18	02/05/2024 12:08	WG2218526
(S) o-Terphenyl	82.1			31.0-160		02/05/2024 12:08	WG2218526

Sample Narrative:

L1700825-12 WG2218526: 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		0.0190	0.0500	1	02/01/2024 23:28	WG2217577
Acenaphthene	U		0.0190	0.0500	1	02/01/2024 23:28	WG2217577
Acenaphthylene	U		0.0171	0.0500	1	02/01/2024 23:28	WG2217577
Benzo(a)anthracene	U		0.0203	0.0500	1	02/01/2024 23:28	WG2217577
Benzo(a)pyrene	U		0.0184	0.0500	1	02/01/2024 23:28	WG2217577
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/01/2024 23:28	WG2217577
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/01/2024 23:28	WG2217577
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/01/2024 23:28	WG2217577
Chrysene	U		0.0179	0.0500	1	02/01/2024 23:28	WG2217577
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/01/2024 23:28	WG2217577
Fluoranthene	U		0.0270	0.100	1	02/01/2024 23:28	WG2217577
Fluorene	U		0.0169	0.0500	1	02/01/2024 23:28	WG2217577
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/01/2024 23:28	WG2217577
Naphthalene	U		0.0917	0.250	1	02/01/2024 23:28	WG2217577

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		0.0180	0.0500	1	02/01/2024 23:28	WG2217577
Pyrene	U		0.0169	0.0500	1	02/01/2024 23:28	WG2217577
1-Methylnaphthalene	U		0.0687	0.250	1	02/01/2024 23:28	WG2217577
2-Methylnaphthalene	U		0.0674	0.250	1	02/01/2024 23:28	WG2217577
2-Chloronaphthalene	U		0.0682	0.250	1	02/01/2024 23:28	WG2217577
(S) Nitrobenzene-d5	88.9			31.0-160		02/01/2024 23:28	WG2217577
(S) 2-Fluorobiphenyl	97.4			48.0-148		02/01/2024 23:28	WG2217577
(S) p-Terphenyl-d14	104			37.0-146		02/01/2024 23:28	WG2217577

- 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	74.5		1	02/01/2024 15:31	WG2218001

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	U		1.47	4.32	25	02/04/2024 03:06	WG2218691
(S) a,a,a-Trifluorotoluene(FID)	93.1			77.0-120		02/04/2024 03:06	WG2218691

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		0.0631	0.0864	1	02/02/2024 15:57	WG2218683
Acrylonitrile	U		0.00624	0.0216	1	02/02/2024 15:57	WG2218683
Benzene	U		0.000807	0.00173	1	02/02/2024 15:57	WG2218683
Bromobenzene	U		0.00156	0.0216	1	02/02/2024 15:57	WG2218683
Bromodichloromethane	U		0.00125	0.00432	1	02/02/2024 15:57	WG2218683
Bromoform	U		0.00202	0.0432	1	02/02/2024 15:57	WG2218683
Bromomethane	U		0.00340	0.0216	1	02/02/2024 15:57	WG2218683
n-Butylbenzene	U		0.00907	0.0216	1	02/02/2024 15:57	WG2218683
sec-Butylbenzene	U		0.00498	0.0216	1	02/02/2024 15:57	WG2218683
tert-Butylbenzene	U		0.00337	0.00864	1	02/02/2024 15:57	WG2218683
Carbon disulfide	U		0.00121	0.0216	1	02/02/2024 15:57	WG2218683
Carbon tetrachloride	U		0.00155	0.00864	1	02/02/2024 15:57	WG2218683
Chlorobenzene	U		0.000363	0.00432	1	02/02/2024 15:57	WG2218683
Chlorodibromomethane	U		0.00106	0.00432	1	02/02/2024 15:57	WG2218683
Chloroethane	U		0.00294	0.00864	1	02/02/2024 15:57	WG2218683
Chloroform	0.00223	B J	0.00178	0.00432	1	02/02/2024 15:57	WG2218683
Chloromethane	U		0.00752	0.0216	1	02/02/2024 15:57	WG2218683
2-Chlorotoluene	U		0.00149	0.00432	1	02/02/2024 15:57	WG2218683
4-Chlorotoluene	U		0.000778	0.00864	1	02/02/2024 15:57	WG2218683
1,2-Dibromo-3-Chloropropane	U		0.00674	0.0432	1	02/02/2024 15:57	WG2218683
1,2-Dibromoethane	U		0.00112	0.00432	1	02/02/2024 15:57	WG2218683
Dibromomethane	U		0.00130	0.00864	1	02/02/2024 15:57	WG2218683
1,2-Dichlorobenzene	U		0.000734	0.00864	1	02/02/2024 15:57	WG2218683
1,3-Dichlorobenzene	U		0.00104	0.00864	1	02/02/2024 15:57	WG2218683
1,4-Dichlorobenzene	U		0.00121	0.00864	1	02/02/2024 15:57	WG2218683
Dichlorodifluoromethane	U		0.00278	0.00864	1	02/02/2024 15:57	WG2218683
1,1-Dichloroethane	U		0.000849	0.00432	1	02/02/2024 15:57	WG2218683
1,2-Dichloroethane	U		0.00112	0.00432	1	02/02/2024 15:57	WG2218683
1,1-Dichloroethene	U		0.00105	0.00432	1	02/02/2024 15:57	WG2218683
cis-1,2-Dichloroethene	U		0.00127	0.00432	1	02/02/2024 15:57	WG2218683
trans-1,2-Dichloroethene	U		0.00180	0.00864	1	02/02/2024 15:57	WG2218683
1,2-Dichloropropane	U		0.00245	0.00864	1	02/02/2024 15:57	WG2218683
1,1-Dichloropropene	U		0.00140	0.00432	1	02/02/2024 15:57	WG2218683
1,3-Dichloropropane	U		0.000866	0.00864	1	02/02/2024 15:57	WG2218683
cis-1,3-Dichloropropene	U		0.00131	0.00432	1	02/02/2024 15:57	WG2218683
trans-1,3-Dichloropropene	U		0.00197	0.00864	1	02/02/2024 15:57	WG2218683
2,2-Dichloropropane	U		0.00238	0.00432	1	02/02/2024 15:57	WG2218683
Di-isopropyl ether	U		0.000709	0.00173	1	02/02/2024 15:57	WG2218683
Ethylbenzene	U		0.00127	0.00432	1	02/02/2024 15:57	WG2218683
Hexachloro-1,3-butadiene	U		0.0104	0.0432	1	02/02/2024 15:57	WG2218683
Isopropylbenzene	U		0.000734	0.00432	1	02/02/2024 15:57	WG2218683
p-Isopropyltoluene	U		0.00441	0.00864	1	02/02/2024 15:57	WG2218683
2-Butanone (MEK)	U		0.110	0.173	1	02/02/2024 15:57	WG2218683
Methylene Chloride	0.0118	J	0.0115	0.0432	1	02/02/2024 15:57	WG2218683



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		0.00394	0.0432	1	02/02/2024 15:57	WG2218683
Methyl tert-butyl ether	U		0.000605	0.00173	1	02/02/2024 15:57	WG2218683
Naphthalene	U	C3	0.00843	0.0216	1	02/02/2024 15:57	WG2218683
n-Propylbenzene	U		0.00164	0.00864	1	02/02/2024 15:57	WG2218683
Styrene	U		0.000396	0.0216	1	02/02/2024 15:57	WG2218683
1,1,1,2-Tetrachloroethane	U		0.00164	0.00432	1	02/02/2024 15:57	WG2218683
1,1,2,2-Tetrachloroethane	U		0.00120	0.00432	1	02/02/2024 15:57	WG2218683
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00432	1	02/02/2024 15:57	WG2218683
Tetrachloroethene	U		0.00155	0.00432	1	02/02/2024 15:57	WG2218683
Toluene	U		0.00225	0.00864	1	02/02/2024 15:57	WG2218683
1,2,3-Trichlorobenzene	U		0.0127	0.0216	1	02/02/2024 15:57	WG2218683
1,2,4-Trichlorobenzene	U		0.00760	0.0216	1	02/02/2024 15:57	WG2218683
1,1,1-Trichloroethane	U		0.00160	0.00432	1	02/02/2024 15:57	WG2218683
1,1,2-Trichloroethane	U		0.00103	0.00432	1	02/02/2024 15:57	WG2218683
Trichloroethene	U		0.00101	0.00173	1	02/02/2024 15:57	WG2218683
Trichlorofluoromethane	U		0.00143	0.00432	1	02/02/2024 15:57	WG2218683
1,2,3-Trichloropropane	U		0.00280	0.0216	1	02/02/2024 15:57	WG2218683
1,2,4-Trimethylbenzene	U		0.00273	0.00864	1	02/02/2024 15:57	WG2218683
1,2,3-Trimethylbenzene	U		0.00273	0.00864	1	02/02/2024 15:57	WG2218683
1,3,5-Trimethylbenzene	U		0.00346	0.00864	1	02/02/2024 15:57	WG2218683
Vinyl chloride	U		0.00200	0.00432	1	02/02/2024 15:57	WG2218683
Xylenes, Total	U		0.00152	0.0112	1	02/02/2024 15:57	WG2218683
(S) Toluene-d8	110			75.0-131		02/02/2024 15:57	WG2218683
(S) 4-Bromofluorobenzene	101			67.0-138		02/02/2024 15:57	WG2218683
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		02/02/2024 15:57	WG2218683

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.78	5.37	1	02/02/2024 03:29	WG2218102
Residual Range Organics (RRO)	U		4.47	13.4	1	02/02/2024 03:29	WG2218102
(S) o-Terphenyl	34.3			18.0-148		02/02/2024 03:29	WG2218102

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		0.00309	0.00805	1	02/06/2024 04:23	WG2218419
Acenaphthene	U		0.00280	0.00805	1	02/06/2024 04:23	WG2218419
Acenaphthylene	U		0.00290	0.00805	1	02/06/2024 04:23	WG2218419
Benzo(a)anthracene	U		0.00232	0.00805	1	02/06/2024 04:23	WG2218419
Benzo(a)pyrene	U		0.00240	0.00805	1	02/06/2024 04:23	WG2218419
Benzo(b)fluoranthene	U		0.00205	0.00805	1	02/06/2024 04:23	WG2218419
Benzo(g,h,i)perylene	U		0.00238	0.00805	1	02/06/2024 04:23	WG2218419
Benzo(k)fluoranthene	U		0.00289	0.00805	1	02/06/2024 04:23	WG2218419
Chrysene	U		0.00311	0.00805	1	02/06/2024 04:23	WG2218419
Dibenz(a,h)anthracene	U		0.00231	0.00805	1	02/06/2024 04:23	WG2218419
Fluoranthene	U		0.00305	0.00805	1	02/06/2024 04:23	WG2218419
Fluorene	U		0.00275	0.00805	1	02/06/2024 04:23	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00243	0.00805	1	02/06/2024 04:23	WG2218419
Naphthalene	U		0.00548	0.0268	1	02/06/2024 04:23	WG2218419
Phenanthrene	U		0.00310	0.00805	1	02/06/2024 04:23	WG2218419
Pyrene	U		0.00268	0.00805	1	02/06/2024 04:23	WG2218419
1-Methylnaphthalene	U		0.00603	0.0268	1	02/06/2024 04:23	WG2218419
2-Methylnaphthalene	U		0.00573	0.0268	1	02/06/2024 04:23	WG2218419
2-Chloronaphthalene	U		0.00625	0.0268	1	02/06/2024 04:23	WG2218419

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	81.6			23.0-120		02/06/2024 04:23	WG2218419
(S) Nitrobenzene-d5	77.3			14.0-149		02/06/2024 04:23	WG2218419
(S) 2-Fluorobiphenyl	71.9			34.0-125		02/06/2024 04:23	WG2218419

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

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	02/06/2024 13:39	WG2218077

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	39.1	<u>B</u>	31.6	100	1	02/05/2024 13:53	WG2220093
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/05/2024 13:53	WG2220093

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	02/01/2024 04:27	WG2217601
Acrolein	U		2.54	50.0	1	02/01/2024 04:27	WG2217601
Acrylonitrile	U		0.671	10.0	1	02/01/2024 04:27	WG2217601
Benzene	0.156	<u>J</u>	0.0941	1.00	1	02/01/2024 04:27	WG2217601
Bromobenzene	U		0.118	1.00	1	02/01/2024 04:27	WG2217601
Bromodichloromethane	U		0.136	1.00	1	02/01/2024 04:27	WG2217601
Bromoform	U		0.129	1.00	1	02/01/2024 04:27	WG2217601
Bromomethane	U		0.605	5.00	1	02/01/2024 04:27	WG2217601
n-Butylbenzene	U		0.157	1.00	1	02/01/2024 04:27	WG2217601
sec-Butylbenzene	U		0.125	1.00	1	02/01/2024 04:27	WG2217601
tert-Butylbenzene	U		0.127	1.00	1	02/01/2024 04:27	WG2217601
Carbon disulfide	U		0.0962	1.00	1	02/01/2024 04:27	WG2217601
Carbon tetrachloride	U		0.128	1.00	1	02/01/2024 04:27	WG2217601
Chlorobenzene	U		0.116	1.00	1	02/01/2024 04:27	WG2217601
Chlorodibromomethane	U		0.140	1.00	1	02/01/2024 04:27	WG2217601
Chloroethane	U		0.192	5.00	1	02/01/2024 04:27	WG2217601
Chloroform	U		0.111	5.00	1	02/01/2024 04:27	WG2217601
Chloromethane	U		0.960	2.50	1	02/01/2024 04:27	WG2217601
2-Chlorotoluene	U		0.106	1.00	1	02/01/2024 04:27	WG2217601
4-Chlorotoluene	U		0.114	1.00	1	02/01/2024 04:27	WG2217601
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/01/2024 04:27	WG2217601
1,2-Dibromoethane	U		0.126	1.00	1	02/01/2024 04:27	WG2217601
Dibromomethane	U		0.122	1.00	1	02/01/2024 04:27	WG2217601
1,2-Dichlorobenzene	U		0.107	1.00	1	02/01/2024 04:27	WG2217601
1,3-Dichlorobenzene	U		0.110	1.00	1	02/01/2024 04:27	WG2217601
1,4-Dichlorobenzene	U		0.120	1.00	1	02/01/2024 04:27	WG2217601
Dichlorodifluoromethane	U		0.374	5.00	1	02/01/2024 04:27	WG2217601
1,1-Dichloroethane	U		0.100	1.00	1	02/01/2024 04:27	WG2217601
1,2-Dichloroethane	U		0.0819	1.00	1	02/01/2024 04:27	WG2217601
1,1-Dichloroethene	U		0.188	1.00	1	02/01/2024 04:27	WG2217601
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/01/2024 04:27	WG2217601
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/01/2024 04:27	WG2217601
1,2-Dichloropropane	U		0.149	1.00	1	02/01/2024 04:27	WG2217601
1,1-Dichloropropene	U		0.142	1.00	1	02/01/2024 04:27	WG2217601
1,3-Dichloropropane	U		0.110	1.00	1	02/01/2024 04:27	WG2217601
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/01/2024 04:27	WG2217601
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/01/2024 04:27	WG2217601
2,2-Dichloropropane	U		0.161	1.00	1	02/01/2024 04:27	WG2217601
Di-isopropyl ether	U		0.105	1.00	1	02/01/2024 04:27	WG2217601
Ethylbenzene	U		0.137	1.00	1	02/01/2024 04:27	WG2217601
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/01/2024 04:27	WG2217601
Isopropylbenzene	U		0.105	1.00	1	02/01/2024 04:27	WG2217601
p-Isopropyltoluene	U		0.120	1.00	1	02/01/2024 04:27	WG2217601

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		1.19	10.0	1	02/01/2024 04:27	WG2217601
Methylene Chloride	U	J4	0.430	5.00	1	02/01/2024 04:27	WG2217601
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/01/2024 04:27	WG2217601
Methyl tert-butyl ether	U		0.101	1.00	1	02/01/2024 04:27	WG2217601
Naphthalene	U		1.00	5.00	1	02/01/2024 04:27	WG2217601
n-Propylbenzene	U		0.0993	1.00	1	02/01/2024 04:27	WG2217601
Styrene	U		0.118	1.00	1	02/01/2024 04:27	WG2217601
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/01/2024 04:27	WG2217601
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/01/2024 04:27	WG2217601
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	02/01/2024 04:27	WG2217601
Tetrachloroethene	U		0.300	1.00	1	02/01/2024 04:27	WG2217601
Toluene	U		0.278	1.00	1	02/01/2024 04:27	WG2217601
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/01/2024 04:27	WG2217601
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/01/2024 04:27	WG2217601
1,1,1-Trichloroethane	U		0.149	1.00	1	02/01/2024 04:27	WG2217601
1,1,2-Trichloroethane	U		0.158	1.00	1	02/01/2024 04:27	WG2217601
Trichloroethene	U		0.190	1.00	1	02/01/2024 04:27	WG2217601
Trichlorofluoromethane	U		0.160	5.00	1	02/01/2024 04:27	WG2217601
1,2,3-Trichloropropane	U		0.237	2.50	1	02/01/2024 04:27	WG2217601
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/01/2024 04:27	WG2217601
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:27	WG2217601
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:27	WG2217601
Vinyl chloride	U		0.234	1.00	1	02/01/2024 04:27	WG2217601
Xylenes, Total	U		0.174	3.00	1	02/01/2024 04:27	WG2217601
(S) Toluene-d8	96.4			80.0-120		02/01/2024 04:27	WG2217601
(S) 4-Bromofluorobenzene	97.7			77.0-126		02/01/2024 04:27	WG2217601
(S) 1,2-Dichloroethane-d4	87.3			70.0-130		02/01/2024 04:27	WG2217601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	120		38.0	114	1.14	02/05/2024 12:28	WG2218526
Residual Range Organics (RRO)	103	J	95.0	285	1.14	02/05/2024 12:28	WG2218526
(S) o-Terphenyl	81.1			31.0-160		02/05/2024 12:28	WG2218526

Sample Narrative:

L1700825-18 WG2218526: Sample does not resemble laboratory standards.

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		0.0380	0.100	2	02/02/2024 00:04	WG2217577
Acenaphthene	U		0.0380	0.100	2	02/02/2024 00:04	WG2217577
Acenaphthylene	U		0.0342	0.100	2	02/02/2024 00:04	WG2217577
Benzo(a)anthracene	U		0.0406	0.100	2	02/02/2024 00:04	WG2217577
Benzo(a)pyrene	U		0.0368	0.100	2	02/02/2024 00:04	WG2217577
Benzo(b)fluoranthene	U		0.0336	0.100	2	02/02/2024 00:04	WG2217577
Benzo(g,h,i)perylene	U		0.0368	0.100	2	02/02/2024 00:04	WG2217577
Benzo(k)fluoranthene	U		0.0404	0.100	2	02/02/2024 00:04	WG2217577
Chrysene	U		0.0358	0.100	2	02/02/2024 00:04	WG2217577
Dibenz(a,h)anthracene	U		0.0320	0.100	2	02/02/2024 00:04	WG2217577
Fluoranthene	U		0.0540	0.200	2	02/02/2024 00:04	WG2217577
Fluorene	U		0.0338	0.100	2	02/02/2024 00:04	WG2217577
Indeno(1,2,3-cd)pyrene	U		0.0316	0.100	2	02/02/2024 00:04	WG2217577
Naphthalene	U		0.183	0.500	2	02/02/2024 00:04	WG2217577

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		0.0360	0.100	2	02/02/2024 00:04	WG2217577
Pyrene	U		0.0338	0.100	2	02/02/2024 00:04	WG2217577
1-Methylnaphthalene	U		0.137	0.500	2	02/02/2024 00:04	WG2217577
2-Methylnaphthalene	U		0.135	0.500	2	02/02/2024 00:04	WG2217577
2-Chloronaphthalene	U		0.136	0.500	2	02/02/2024 00:04	WG2217577
(S) Nitrobenzene-d5	168	<u>J1</u>		31.0-160		02/02/2024 00:04	WG2217577
(S) 2-Fluorobiphenyl	183	<u>J1</u>		48.0-148		02/02/2024 00:04	WG2217577
(S) p-Terphenyl-d14	184	<u>J1</u>		37.0-146		02/02/2024 00:04	WG2217577

- 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
Total Solids	68.0		1	02/01/2024 15:31	WG2218001

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Lead	8.13		0.146	2.94	5	02/02/2024 16:41	WG2218078

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		1.71	5.05	25	02/04/2024 03:25	WG2218691
(S) a,a,a-Trifluorotoluene(FID)	91.5			77.0-120		02/04/2024 03:25	WG2218691

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Acetone	U		0.0737	0.101	1	02/02/2024 16:16	WG2218683
Acrylonitrile	U		0.00729	0.0252	1	02/02/2024 16:16	WG2218683
Benzene	U		0.000943	0.00202	1	02/02/2024 16:16	WG2218683
Bromobenzene	U		0.00182	0.0252	1	02/02/2024 16:16	WG2218683
Bromodichloromethane	U		0.00146	0.00505	1	02/02/2024 16:16	WG2218683
Bromoform	U		0.00236	0.0505	1	02/02/2024 16:16	WG2218683
Bromomethane	U		0.00398	0.0252	1	02/02/2024 16:16	WG2218683
n-Butylbenzene	U		0.0106	0.0252	1	02/02/2024 16:16	WG2218683
sec-Butylbenzene	U		0.00582	0.0252	1	02/02/2024 16:16	WG2218683
tert-Butylbenzene	U		0.00394	0.0101	1	02/02/2024 16:16	WG2218683
Carbon disulfide	U		0.00141	0.0252	1	02/02/2024 16:16	WG2218683
Carbon tetrachloride	U		0.00181	0.0101	1	02/02/2024 16:16	WG2218683
Chlorobenzene	U		0.000424	0.00505	1	02/02/2024 16:16	WG2218683
Chlorodibromomethane	U		0.00124	0.00505	1	02/02/2024 16:16	WG2218683
Chloroethane	U		0.00343	0.0101	1	02/02/2024 16:16	WG2218683
Chloroform	0.00269	B J	0.00208	0.00505	1	02/02/2024 16:16	WG2218683
Chloromethane	U		0.00878	0.0252	1	02/02/2024 16:16	WG2218683
2-Chlorotoluene	U		0.00175	0.00505	1	02/02/2024 16:16	WG2218683
4-Chlorotoluene	U		0.000909	0.0101	1	02/02/2024 16:16	WG2218683
1,2-Dibromo-3-Chloropropane	U		0.00788	0.0505	1	02/02/2024 16:16	WG2218683
1,2-Dibromoethane	U		0.00131	0.00505	1	02/02/2024 16:16	WG2218683
Dibromomethane	U		0.00151	0.0101	1	02/02/2024 16:16	WG2218683
1,2-Dichlorobenzene	U		0.000858	0.0101	1	02/02/2024 16:16	WG2218683
1,3-Dichlorobenzene	U		0.00121	0.0101	1	02/02/2024 16:16	WG2218683
1,4-Dichlorobenzene	U		0.00141	0.0101	1	02/02/2024 16:16	WG2218683
Dichlorodifluoromethane	U		0.00325	0.0101	1	02/02/2024 16:16	WG2218683
1,1-Dichloroethane	U		0.000991	0.00505	1	02/02/2024 16:16	WG2218683
1,2-Dichloroethane	U		0.00131	0.00505	1	02/02/2024 16:16	WG2218683
1,1-Dichloroethene	U		0.00122	0.00505	1	02/02/2024 16:16	WG2218683
cis-1,2-Dichloroethene	U		0.00148	0.00505	1	02/02/2024 16:16	WG2218683
trans-1,2-Dichloroethene	U		0.00210	0.0101	1	02/02/2024 16:16	WG2218683
1,2-Dichloropropane	U		0.00287	0.0101	1	02/02/2024 16:16	WG2218683
1,1-Dichloropropene	U		0.00163	0.00505	1	02/02/2024 16:16	WG2218683
1,3-Dichloropropane	U		0.00101	0.0101	1	02/02/2024 16:16	WG2218683
cis-1,3-Dichloropropene	U		0.00153	0.00505	1	02/02/2024 16:16	WG2218683
trans-1,3-Dichloropropene	U		0.00230	0.0101	1	02/02/2024 16:16	WG2218683
2,2-Dichloropropane	U		0.00279	0.00505	1	02/02/2024 16:16	WG2218683
Di-isopropyl ether	U		0.000828	0.00202	1	02/02/2024 16:16	WG2218683

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.00149	0.00505	1	02/02/2024 16:16	WG2218683
Hexachloro-1,3-butadiene	U		0.0121	0.0505	1	02/02/2024 16:16	WG2218683
Isopropylbenzene	U		0.000858	0.00505	1	02/02/2024 16:16	WG2218683
p-Isopropyltoluene	U		0.00515	0.0101	1	02/02/2024 16:16	WG2218683
2-Butanone (MEK)	U		0.128	0.202	1	02/02/2024 16:16	WG2218683
Methylene Chloride	0.0160	J	0.0134	0.0505	1	02/02/2024 16:16	WG2218683
4-Methyl-2-pentanone (MIBK)	U		0.00460	0.0505	1	02/02/2024 16:16	WG2218683
Methyl tert-butyl ether	U		0.000707	0.00202	1	02/02/2024 16:16	WG2218683
Naphthalene	U	C3	0.00985	0.0252	1	02/02/2024 16:16	WG2218683
n-Propylbenzene	U		0.00192	0.0101	1	02/02/2024 16:16	WG2218683
Styrene	U		0.000462	0.0252	1	02/02/2024 16:16	WG2218683
1,1,1,2-Tetrachloroethane	U		0.00191	0.00505	1	02/02/2024 16:16	WG2218683
1,1,2,2-Tetrachloroethane	U		0.00140	0.00505	1	02/02/2024 16:16	WG2218683
1,1,2-Trichlorotrifluoroethane	U		0.00152	0.00505	1	02/02/2024 16:16	WG2218683
Tetrachloroethene	U		0.00181	0.00505	1	02/02/2024 16:16	WG2218683
Toluene	U		0.00263	0.0101	1	02/02/2024 16:16	WG2218683
1,2,3-Trichlorobenzene	U		0.0148	0.0252	1	02/02/2024 16:16	WG2218683
1,2,4-Trichlorobenzene	U		0.00888	0.0252	1	02/02/2024 16:16	WG2218683
1,1,1-Trichloroethane	U		0.00186	0.00505	1	02/02/2024 16:16	WG2218683
1,1,2-Trichloroethane	U		0.00121	0.00505	1	02/02/2024 16:16	WG2218683
Trichloroethene	U		0.00118	0.00202	1	02/02/2024 16:16	WG2218683
Trichlorofluoromethane	U		0.00167	0.00505	1	02/02/2024 16:16	WG2218683
1,2,3-Trichloropropane	U		0.00327	0.0252	1	02/02/2024 16:16	WG2218683
1,2,4-Trimethylbenzene	U		0.00319	0.0101	1	02/02/2024 16:16	WG2218683
1,2,3-Trimethylbenzene	U		0.00319	0.0101	1	02/02/2024 16:16	WG2218683
1,3,5-Trimethylbenzene	U		0.00404	0.0101	1	02/02/2024 16:16	WG2218683
Vinyl chloride	U		0.00234	0.00505	1	02/02/2024 16:16	WG2218683
Xylenes, Total	U		0.00178	0.0131	1	02/02/2024 16:16	WG2218683
(S) Toluene-d8	109			75.0-131		02/02/2024 16:16	WG2218683
(S) 4-Bromofluorobenzene	102			67.0-138		02/02/2024 16:16	WG2218683
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		02/02/2024 16:16	WG2218683

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.96	5.88	1	02/02/2024 03:41	WG2218102
Residual Range Organics (RRO)	U		4.90	14.7	1	02/02/2024 03:41	WG2218102
(S) o-Terphenyl	47.5			18.0-148		02/02/2024 03:41	WG2218102

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		0.00338	0.00882	1	02/06/2024 04:42	WG2218419
Acenaphthene	U		0.00307	0.00882	1	02/06/2024 04:42	WG2218419
Acenaphthylene	U		0.00318	0.00882	1	02/06/2024 04:42	WG2218419
Benzo(a)anthracene	U		0.00254	0.00882	1	02/06/2024 04:42	WG2218419
Benzo(a)pyrene	U		0.00263	0.00882	1	02/06/2024 04:42	WG2218419
Benzo(b)fluoranthene	U		0.00225	0.00882	1	02/06/2024 04:42	WG2218419
Benzo(g,h,i)perylene	U		0.00260	0.00882	1	02/06/2024 04:42	WG2218419
Benzo(k)fluoranthene	U		0.00316	0.00882	1	02/06/2024 04:42	WG2218419
Chrysene	U		0.00341	0.00882	1	02/06/2024 04:42	WG2218419
Dibenz(a,h)anthracene	U		0.00253	0.00882	1	02/06/2024 04:42	WG2218419
Fluoranthene	U		0.00334	0.00882	1	02/06/2024 04:42	WG2218419
Fluorene	U		0.00301	0.00882	1	02/06/2024 04:42	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00266	0.00882	1	02/06/2024 04:42	WG2218419

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		0.00600	0.0294	1	02/06/2024 04:42	WG2218419
Phenanthrene	U		0.00340	0.00882	1	02/06/2024 04:42	WG2218419
Pyrene	U		0.00294	0.00882	1	02/06/2024 04:42	WG2218419
1-Methylnaphthalene	U		0.00660	0.0294	1	02/06/2024 04:42	WG2218419
2-Methylnaphthalene	U		0.00628	0.0294	1	02/06/2024 04:42	WG2218419
2-Chloronaphthalene	U		0.00685	0.0294	1	02/06/2024 04:42	WG2218419
<i>(S) p-Terphenyl-d14</i>	88.0			23.0-120		02/06/2024 04:42	WG2218419
<i>(S) Nitrobenzene-d5</i>	68.1			14.0-149		02/06/2024 04:42	WG2218419
<i>(S) 2-Fluorobiphenyl</i>	81.3			34.0-125		02/06/2024 04:42	WG2218419

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

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	02/06/2024 13:43	WG2218077

1 Cp

2 Tc

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	32.8	<u>B</u>	31.6	100	1	02/05/2024 14:16	WG2220093
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/05/2024 14:16	WG2220093

3 Ss

4 Cn

5 Sr

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	02/01/2024 04:48	WG2217601
Acrolein	U		2.54	50.0	1	02/01/2024 04:48	WG2217601
Acrylonitrile	U		0.671	10.0	1	02/01/2024 04:48	WG2217601
Benzene	U		0.0941	1.00	1	02/01/2024 04:48	WG2217601
Bromobenzene	U		0.118	1.00	1	02/01/2024 04:48	WG2217601
Bromodichloromethane	U		0.136	1.00	1	02/01/2024 04:48	WG2217601
Bromoform	U		0.129	1.00	1	02/01/2024 04:48	WG2217601
Bromomethane	U		0.605	5.00	1	02/01/2024 04:48	WG2217601
n-Butylbenzene	U		0.157	1.00	1	02/01/2024 04:48	WG2217601
sec-Butylbenzene	U		0.125	1.00	1	02/01/2024 04:48	WG2217601
tert-Butylbenzene	U		0.127	1.00	1	02/01/2024 04:48	WG2217601
Carbon disulfide	U		0.0962	1.00	1	02/01/2024 04:48	WG2217601
Carbon tetrachloride	U		0.128	1.00	1	02/01/2024 04:48	WG2217601
Chlorobenzene	U		0.116	1.00	1	02/01/2024 04:48	WG2217601
Chlorodibromomethane	U		0.140	1.00	1	02/01/2024 04:48	WG2217601
Chloroethane	U		0.192	5.00	1	02/01/2024 04:48	WG2217601
Chloroform	U		0.111	5.00	1	02/01/2024 04:48	WG2217601
Chloromethane	U		0.960	2.50	1	02/01/2024 04:48	WG2217601
2-Chlorotoluene	U		0.106	1.00	1	02/01/2024 04:48	WG2217601
4-Chlorotoluene	U		0.114	1.00	1	02/01/2024 04:48	WG2217601
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/01/2024 04:48	WG2217601
1,2-Dibromoethane	U		0.126	1.00	1	02/01/2024 04:48	WG2217601
Dibromomethane	U		0.122	1.00	1	02/01/2024 04:48	WG2217601
1,2-Dichlorobenzene	U		0.107	1.00	1	02/01/2024 04:48	WG2217601
1,3-Dichlorobenzene	U		0.110	1.00	1	02/01/2024 04:48	WG2217601
1,4-Dichlorobenzene	U		0.120	1.00	1	02/01/2024 04:48	WG2217601
Dichlorodifluoromethane	U		0.374	5.00	1	02/01/2024 04:48	WG2217601
1,1-Dichloroethane	U		0.100	1.00	1	02/01/2024 04:48	WG2217601
1,2-Dichloroethane	U		0.0819	1.00	1	02/01/2024 04:48	WG2217601
1,1-Dichloroethene	U		0.188	1.00	1	02/01/2024 04:48	WG2217601
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/01/2024 04:48	WG2217601
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/01/2024 04:48	WG2217601
1,2-Dichloropropane	U		0.149	1.00	1	02/01/2024 04:48	WG2217601
1,1-Dichloropropene	U		0.142	1.00	1	02/01/2024 04:48	WG2217601
1,3-Dichloropropane	U		0.110	1.00	1	02/01/2024 04:48	WG2217601
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/01/2024 04:48	WG2217601
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/01/2024 04:48	WG2217601
2,2-Dichloropropane	U		0.161	1.00	1	02/01/2024 04:48	WG2217601
Di-isopropyl ether	U		0.105	1.00	1	02/01/2024 04:48	WG2217601
Ethylbenzene	U		0.137	1.00	1	02/01/2024 04:48	WG2217601
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/01/2024 04:48	WG2217601
Isopropylbenzene	U		0.105	1.00	1	02/01/2024 04:48	WG2217601
p-Isopropyltoluene	U		0.120	1.00	1	02/01/2024 04:48	WG2217601

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	02/01/2024 04:48	WG2217601
Methylene Chloride	U	J4	0.430	5.00	1	02/01/2024 04:48	WG2217601
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/01/2024 04:48	WG2217601
Methyl tert-butyl ether	U		0.101	1.00	1	02/01/2024 04:48	WG2217601
Naphthalene	U		1.00	5.00	1	02/01/2024 04:48	WG2217601
n-Propylbenzene	U		0.0993	1.00	1	02/01/2024 04:48	WG2217601
Styrene	U		0.118	1.00	1	02/01/2024 04:48	WG2217601
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/01/2024 04:48	WG2217601
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/01/2024 04:48	WG2217601
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	02/01/2024 04:48	WG2217601
Tetrachloroethene	U		0.300	1.00	1	02/01/2024 04:48	WG2217601
Toluene	U		0.278	1.00	1	02/01/2024 04:48	WG2217601
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/01/2024 04:48	WG2217601
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/01/2024 04:48	WG2217601
1,1,1-Trichloroethane	U		0.149	1.00	1	02/01/2024 04:48	WG2217601
1,1,2-Trichloroethane	U		0.158	1.00	1	02/01/2024 04:48	WG2217601
Trichloroethene	U		0.190	1.00	1	02/01/2024 04:48	WG2217601
Trichlorofluoromethane	U		0.160	5.00	1	02/01/2024 04:48	WG2217601
1,2,3-Trichloropropane	U		0.237	2.50	1	02/01/2024 04:48	WG2217601
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/01/2024 04:48	WG2217601
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:48	WG2217601
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 04:48	WG2217601
Vinyl chloride	U		0.234	1.00	1	02/01/2024 04:48	WG2217601
Xylenes, Total	U		0.174	3.00	1	02/01/2024 04:48	WG2217601
(S) Toluene-d8	94.6			80.0-120		02/01/2024 04:48	WG2217601
(S) 4-Bromofluorobenzene	96.9			77.0-126		02/01/2024 04:48	WG2217601
(S) 1,2-Dichloroethane-d4	90.6			70.0-130		02/01/2024 04:48	WG2217601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	40.5	J	39.3	118	1.18	02/05/2024 12:48	WG2218526
Residual Range Organics (RRO)	U		98.3	295	1.18	02/05/2024 12:48	WG2218526
(S) o-Terphenyl	80.4			31.0-160		02/05/2024 12:48	WG2218526

Sample Narrative:

L1700825-24 WG2218526: 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		0.0570	0.150	3	02/02/2024 00:22	WG2217577
Acenaphthene	U		0.0570	0.150	3	02/02/2024 00:22	WG2217577
Acenaphthylene	U		0.0513	0.150	3	02/02/2024 00:22	WG2217577
Benzo(a)anthracene	U		0.0609	0.150	3	02/02/2024 00:22	WG2217577
Benzo(a)pyrene	U		0.0552	0.150	3	02/02/2024 00:22	WG2217577
Benzo(b)fluoranthene	U		0.0504	0.150	3	02/02/2024 00:22	WG2217577
Benzo(g,h,i)perylene	U		0.0552	0.150	3	02/02/2024 00:22	WG2217577
Benzo(k)fluoranthene	U		0.0606	0.150	3	02/02/2024 00:22	WG2217577
Chrysene	U		0.0537	0.150	3	02/02/2024 00:22	WG2217577
Dibenz(a,h)anthracene	U		0.0480	0.150	3	02/02/2024 00:22	WG2217577
Fluoranthene	U		0.0810	0.300	3	02/02/2024 00:22	WG2217577
Fluorene	U		0.0507	0.150	3	02/02/2024 00:22	WG2217577
Indeno(1,2,3-cd)pyrene	U		0.0474	0.150	3	02/02/2024 00:22	WG2217577
Naphthalene	U		0.275	0.750	3	02/02/2024 00:22	WG2217577

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		0.0540	0.150	3	02/02/2024 00:22	WG2217577
Pyrene	U		0.0507	0.150	3	02/02/2024 00:22	WG2217577
1-Methylnaphthalene	U		0.206	0.750	3	02/02/2024 00:22	WG2217577
2-Methylnaphthalene	U		0.202	0.750	3	02/02/2024 00:22	WG2217577
2-Chloronaphthalene	U		0.205	0.750	3	02/02/2024 00:22	WG2217577
(S) Nitrobenzene-d5	103			31.0-160		02/02/2024 00:22	WG2217577
(S) 2-Fluorobiphenyl	96.9			48.0-148		02/02/2024 00:22	WG2217577
(S) p-Terphenyl-d14	88.0			37.0-146		02/02/2024 00:22	WG2217577

- 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	72.2		1	02/01/2024 15:31	WG2218001

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	U		1.54	4.54	25	02/04/2024 03:44	WG2218691
(S) a,a,a-Trifluorotoluene(FID)	93.5			77.0-120		02/04/2024 03:44	WG2218691

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	J4	0.0663	0.0909	1	02/02/2024 11:27	WG2218733
Acrylonitrile	U	J3	0.00656	0.0227	1	02/02/2024 11:27	WG2218733
Benzene	U		0.000849	0.00182	1	02/02/2024 11:27	WG2218733
Bromobenzene	U		0.00164	0.0227	1	02/02/2024 11:27	WG2218733
Bromodichloromethane	U		0.00132	0.00454	1	02/02/2024 11:27	WG2218733
Bromoform	U		0.00213	0.0454	1	02/02/2024 11:27	WG2218733
Bromomethane	U		0.00358	0.0227	1	02/02/2024 11:27	WG2218733
n-Butylbenzene	U		0.00954	0.0227	1	02/02/2024 11:27	WG2218733
sec-Butylbenzene	U		0.00523	0.0227	1	02/02/2024 11:27	WG2218733
tert-Butylbenzene	U		0.00354	0.00909	1	02/02/2024 11:27	WG2218733
Carbon disulfide	U		0.00127	0.0227	1	02/02/2024 11:27	WG2218733
Carbon tetrachloride	U		0.00163	0.00909	1	02/02/2024 11:27	WG2218733
Chlorobenzene	U		0.000382	0.00454	1	02/02/2024 11:27	WG2218733
Chlorodibromomethane	U		0.00111	0.00454	1	02/02/2024 11:27	WG2218733
Chloroethane	U	J4	0.00309	0.00909	1	02/02/2024 11:27	WG2218733
Chloroform	U		0.00187	0.00454	1	02/02/2024 11:27	WG2218733
Chloromethane	U		0.00790	0.0227	1	02/02/2024 11:27	WG2218733
2-Chlorotoluene	U		0.00157	0.00454	1	02/02/2024 11:27	WG2218733
4-Chlorotoluene	U		0.000818	0.00909	1	02/02/2024 11:27	WG2218733
1,2-Dibromo-3-Chloropropane	U	C3	0.00709	0.0454	1	02/02/2024 11:27	WG2218733
1,2-Dibromoethane	U		0.00118	0.00454	1	02/02/2024 11:27	WG2218733
Dibromomethane	U		0.00136	0.00909	1	02/02/2024 11:27	WG2218733
1,2-Dichlorobenzene	U		0.000772	0.00909	1	02/02/2024 11:27	WG2218733
1,3-Dichlorobenzene	U		0.00109	0.00909	1	02/02/2024 11:27	WG2218733
1,4-Dichlorobenzene	U		0.00127	0.00909	1	02/02/2024 11:27	WG2218733
Dichlorodifluoromethane	U		0.00293	0.00909	1	02/02/2024 11:27	WG2218733
1,1-Dichloroethane	U		0.000892	0.00454	1	02/02/2024 11:27	WG2218733
1,2-Dichloroethane	U		0.00118	0.00454	1	02/02/2024 11:27	WG2218733
1,1-Dichloroethene	U		0.00110	0.00454	1	02/02/2024 11:27	WG2218733
cis-1,2-Dichloroethene	U		0.00133	0.00454	1	02/02/2024 11:27	WG2218733
trans-1,2-Dichloroethene	U		0.00189	0.00909	1	02/02/2024 11:27	WG2218733
1,2-Dichloropropane	U		0.00258	0.00909	1	02/02/2024 11:27	WG2218733
1,1-Dichloropropene	U		0.00147	0.00454	1	02/02/2024 11:27	WG2218733
1,3-Dichloropropane	U		0.000910	0.00909	1	02/02/2024 11:27	WG2218733
cis-1,3-Dichloropropene	U		0.00138	0.00454	1	02/02/2024 11:27	WG2218733
trans-1,3-Dichloropropene	U		0.00207	0.00909	1	02/02/2024 11:27	WG2218733
2,2-Dichloropropane	U		0.00251	0.00454	1	02/02/2024 11:27	WG2218733
Di-isopropyl ether	U		0.000745	0.00182	1	02/02/2024 11:27	WG2218733
Ethylbenzene	U		0.00134	0.00454	1	02/02/2024 11:27	WG2218733
Hexachloro-1,3-butadiene	U		0.0109	0.0454	1	02/02/2024 11:27	WG2218733
Isopropylbenzene	U		0.000772	0.00454	1	02/02/2024 11:27	WG2218733
p-Isopropyltoluene	U		0.00463	0.00909	1	02/02/2024 11:27	WG2218733
2-Butanone (MEK)	U	C3 J3	0.115	0.182	1	02/02/2024 11:27	WG2218733
Methylene Chloride	0.0121	J	0.0121	0.0454	1	02/02/2024 11:27	WG2218733



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		0.00414	0.0454	1	02/02/2024 11:27	WG2218733
Methyl tert-butyl ether	U		0.000636	0.00182	1	02/02/2024 11:27	WG2218733
Naphthalene	U	C3	0.00887	0.0227	1	02/02/2024 11:27	WG2218733
n-Propylbenzene	U		0.00173	0.00909	1	02/02/2024 11:27	WG2218733
Styrene	U		0.000416	0.0227	1	02/02/2024 11:27	WG2218733
1,1,1,2-Tetrachloroethane	U		0.00172	0.00454	1	02/02/2024 11:27	WG2218733
1,1,2,2-Tetrachloroethane	U	C3	0.00126	0.00454	1	02/02/2024 11:27	WG2218733
1,1,2-Trichlorotrifluoroethane	U		0.00137	0.00454	1	02/02/2024 11:27	WG2218733
Tetrachloroethene	U		0.00163	0.00454	1	02/02/2024 11:27	WG2218733
Toluene	U		0.00236	0.00909	1	02/02/2024 11:27	WG2218733
1,2,3-Trichlorobenzene	U		0.0133	0.0227	1	02/02/2024 11:27	WG2218733
1,2,4-Trichlorobenzene	U		0.00800	0.0227	1	02/02/2024 11:27	WG2218733
1,1,1-Trichloroethane	U		0.00168	0.00454	1	02/02/2024 11:27	WG2218733
1,1,2-Trichloroethane	U		0.00108	0.00454	1	02/02/2024 11:27	WG2218733
Trichloroethene	U		0.00106	0.00182	1	02/02/2024 11:27	WG2218733
Trichlorofluoromethane	U		0.00150	0.00454	1	02/02/2024 11:27	WG2218733
1,2,3-Trichloropropane	U		0.00294	0.0227	1	02/02/2024 11:27	WG2218733
1,2,4-Trimethylbenzene	U		0.00287	0.00909	1	02/02/2024 11:27	WG2218733
1,2,3-Trimethylbenzene	U		0.00287	0.00909	1	02/02/2024 11:27	WG2218733
1,3,5-Trimethylbenzene	U		0.00363	0.00909	1	02/02/2024 11:27	WG2218733
Vinyl chloride	U		0.00211	0.00454	1	02/02/2024 11:27	WG2218733
Xylenes, Total	U		0.00160	0.0118	1	02/02/2024 11:27	WG2218733
(S) Toluene-d8	93.4			75.0-131		02/02/2024 11:27	WG2218733
(S) 4-Bromofluorobenzene	104			67.0-138		02/02/2024 11:27	WG2218733
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/02/2024 11:27	WG2218733



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)	2.12	J	1.84	5.54	1	02/02/2024 11:49	WG2218102
Residual Range Organics (RRO)	9.80	J	4.61	13.9	1	02/02/2024 11:49	WG2218102
(S) o-Terphenyl	24.9			18.0-148		02/02/2024 11:49	WG2218102

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		0.00319	0.00831	1	02/03/2024 01:17	WG2218419
Acenaphthene	U		0.00290	0.00831	1	02/03/2024 01:17	WG2218419
Acenaphthylene	U		0.00299	0.00831	1	02/03/2024 01:17	WG2218419
Benzo(a)anthracene	U		0.00240	0.00831	1	02/03/2024 01:17	WG2218419
Benzo(a)pyrene	U		0.00248	0.00831	1	02/03/2024 01:17	WG2218419
Benzo(b)fluoranthene	U		0.00212	0.00831	1	02/03/2024 01:17	WG2218419
Benzo(g,h,i)perylene	U		0.00245	0.00831	1	02/03/2024 01:17	WG2218419
Benzo(k)fluoranthene	U		0.00298	0.00831	1	02/03/2024 01:17	WG2218419
Chrysene	U		0.00321	0.00831	1	02/03/2024 01:17	WG2218419
Dibenz(a,h)anthracene	U		0.00238	0.00831	1	02/03/2024 01:17	WG2218419
Fluoranthene	U		0.00315	0.00831	1	02/03/2024 01:17	WG2218419
Fluorene	U		0.00284	0.00831	1	02/03/2024 01:17	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00251	0.00831	1	02/03/2024 01:17	WG2218419
Naphthalene	U		0.00565	0.0277	1	02/03/2024 01:17	WG2218419
Phenanthrene	U		0.00320	0.00831	1	02/03/2024 01:17	WG2218419
Pyrene	U		0.00277	0.00831	1	02/03/2024 01:17	WG2218419
1-Methylnaphthalene	U		0.00622	0.0277	1	02/03/2024 01:17	WG2218419
2-Methylnaphthalene	U		0.00592	0.0277	1	02/03/2024 01:17	WG2218419
2-Chloronaphthalene	U		0.00646	0.0277	1	02/03/2024 01:17	WG2218419

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	97.6			23.0-120		02/03/2024 01:17	WG2218419
(S) Nitrobenzene-d5	58.0			14.0-149		02/03/2024 01:17	WG2218419
(S) 2-Fluorobiphenyl	73.3			34.0-125		02/03/2024 01:17	WG2218419

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	76.0		1	02/01/2024 15:31	WG2218001

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	U		1.43	4.21	25	02/04/2024 04:04	WG2218691
(S) a,a,a-Trifluorotoluene(FID)	93.9			77.0-120		02/04/2024 04:04	WG2218691

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	J4	0.0614	0.0842	1	02/02/2024 11:47	WG2218733
Acrylonitrile	U	J3	0.00608	0.0210	1	02/02/2024 11:47	WG2218733
Benzene	U		0.000786	0.00168	1	02/02/2024 11:47	WG2218733
Bromobenzene	U		0.00152	0.0210	1	02/02/2024 11:47	WG2218733
Bromodichloromethane	U		0.00122	0.00421	1	02/02/2024 11:47	WG2218733
Bromoform	U		0.00197	0.0421	1	02/02/2024 11:47	WG2218733
Bromomethane	U		0.00332	0.0210	1	02/02/2024 11:47	WG2218733
n-Butylbenzene	U		0.00884	0.0210	1	02/02/2024 11:47	WG2218733
sec-Butylbenzene	U		0.00485	0.0210	1	02/02/2024 11:47	WG2218733
tert-Butylbenzene	U		0.00328	0.00842	1	02/02/2024 11:47	WG2218733
Carbon disulfide	U		0.00118	0.0210	1	02/02/2024 11:47	WG2218733
Carbon tetrachloride	U		0.00151	0.00842	1	02/02/2024 11:47	WG2218733
Chlorobenzene	U		0.000354	0.00421	1	02/02/2024 11:47	WG2218733
Chlorodibromomethane	U		0.00103	0.00421	1	02/02/2024 11:47	WG2218733
Chloroethane	U	J4	0.00286	0.00842	1	02/02/2024 11:47	WG2218733
Chloroform	0.00246	B J	0.00173	0.00421	1	02/02/2024 11:47	WG2218733
Chloromethane	U		0.00732	0.0210	1	02/02/2024 11:47	WG2218733
2-Chlorotoluene	U		0.00146	0.00421	1	02/02/2024 11:47	WG2218733
4-Chlorotoluene	U		0.000758	0.00842	1	02/02/2024 11:47	WG2218733
1,2-Dibromo-3-Chloropropane	U	C3	0.00657	0.0421	1	02/02/2024 11:47	WG2218733
1,2-Dibromoethane	U		0.00109	0.00421	1	02/02/2024 11:47	WG2218733
Dibromomethane	U		0.00126	0.00842	1	02/02/2024 11:47	WG2218733
1,2-Dichlorobenzene	U		0.000715	0.00842	1	02/02/2024 11:47	WG2218733
1,3-Dichlorobenzene	U		0.00101	0.00842	1	02/02/2024 11:47	WG2218733
1,4-Dichlorobenzene	U		0.00118	0.00842	1	02/02/2024 11:47	WG2218733
Dichlorodifluoromethane	U		0.00271	0.00842	1	02/02/2024 11:47	WG2218733
1,1-Dichloroethane	U		0.000827	0.00421	1	02/02/2024 11:47	WG2218733
1,2-Dichloroethane	U		0.00109	0.00421	1	02/02/2024 11:47	WG2218733
1,1-Dichloroethene	U		0.00102	0.00421	1	02/02/2024 11:47	WG2218733
cis-1,2-Dichloroethene	U		0.00124	0.00421	1	02/02/2024 11:47	WG2218733
trans-1,2-Dichloroethene	U		0.00175	0.00842	1	02/02/2024 11:47	WG2218733
1,2-Dichloropropane	U		0.00239	0.00842	1	02/02/2024 11:47	WG2218733
1,1-Dichloropropene	U		0.00136	0.00421	1	02/02/2024 11:47	WG2218733
1,3-Dichloropropane	U		0.000843	0.00842	1	02/02/2024 11:47	WG2218733
cis-1,3-Dichloropropene	U		0.00127	0.00421	1	02/02/2024 11:47	WG2218733
trans-1,3-Dichloropropene	U		0.00192	0.00842	1	02/02/2024 11:47	WG2218733
2,2-Dichloropropane	U		0.00232	0.00421	1	02/02/2024 11:47	WG2218733
Di-isopropyl ether	U		0.000690	0.00168	1	02/02/2024 11:47	WG2218733
Ethylbenzene	U		0.00124	0.00421	1	02/02/2024 11:47	WG2218733
Hexachloro-1,3-butadiene	U		0.0101	0.0421	1	02/02/2024 11:47	WG2218733
Isopropylbenzene	U		0.000715	0.00421	1	02/02/2024 11:47	WG2218733
p-Isopropyltoluene	U		0.00429	0.00842	1	02/02/2024 11:47	WG2218733
2-Butanone (MEK)	U	C3 J3	0.107	0.168	1	02/02/2024 11:47	WG2218733
Methylene Chloride	U		0.0112	0.0421	1	02/02/2024 11:47	WG2218733

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		0.00384	0.0421	1	02/02/2024 11:47	WG2218733
Methyl tert-butyl ether	U		0.000589	0.00168	1	02/02/2024 11:47	WG2218733
Naphthalene	U	C3	0.00821	0.0210	1	02/02/2024 11:47	WG2218733
n-Propylbenzene	U		0.00160	0.00842	1	02/02/2024 11:47	WG2218733
Styrene	U		0.000385	0.0210	1	02/02/2024 11:47	WG2218733
1,1,1,2-Tetrachloroethane	U		0.00160	0.00421	1	02/02/2024 11:47	WG2218733
1,1,2,2-Tetrachloroethane	U	C3	0.00117	0.00421	1	02/02/2024 11:47	WG2218733
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00421	1	02/02/2024 11:47	WG2218733
Tetrachloroethene	U		0.00151	0.00421	1	02/02/2024 11:47	WG2218733
Toluene	U		0.00219	0.00842	1	02/02/2024 11:47	WG2218733
1,2,3-Trichlorobenzene	U		0.0123	0.0210	1	02/02/2024 11:47	WG2218733
1,2,4-Trichlorobenzene	U		0.00741	0.0210	1	02/02/2024 11:47	WG2218733
1,1,1-Trichloroethane	U		0.00155	0.00421	1	02/02/2024 11:47	WG2218733
1,1,2-Trichloroethane	U		0.00100	0.00421	1	02/02/2024 11:47	WG2218733
Trichloroethene	U		0.000983	0.00168	1	02/02/2024 11:47	WG2218733
Trichlorofluoromethane	U		0.00139	0.00421	1	02/02/2024 11:47	WG2218733
1,2,3-Trichloropropane	U		0.00273	0.0210	1	02/02/2024 11:47	WG2218733
1,2,4-Trimethylbenzene	U		0.00266	0.00842	1	02/02/2024 11:47	WG2218733
1,2,3-Trimethylbenzene	U		0.00266	0.00842	1	02/02/2024 11:47	WG2218733
1,3,5-Trimethylbenzene	U		0.00337	0.00842	1	02/02/2024 11:47	WG2218733
Vinyl chloride	U		0.00195	0.00421	1	02/02/2024 11:47	WG2218733
Xylenes, Total	U		0.00148	0.0109	1	02/02/2024 11:47	WG2218733
(S) Toluene-d8	92.9			75.0-131		02/02/2024 11:47	WG2218733
(S) 4-Bromofluorobenzene	96.8			67.0-138		02/02/2024 11:47	WG2218733
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		02/02/2024 11:47	WG2218733

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.75	5.27	1	02/02/2024 10:47	WG2218102
Residual Range Organics (RRO)	U		4.38	13.2	1	02/02/2024 10:47	WG2218102
(S) o-Terphenyl	27.9			18.0-148		02/02/2024 10:47	WG2218102

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		0.00303	0.00790	1	02/06/2024 05:02	WG2218419
Acenaphthene	U		0.00275	0.00790	1	02/06/2024 05:02	WG2218419
Acenaphthylene	U		0.00284	0.00790	1	02/06/2024 05:02	WG2218419
Benzo(a)anthracene	U		0.00228	0.00790	1	02/06/2024 05:02	WG2218419
Benzo(a)pyrene	U		0.00236	0.00790	1	02/06/2024 05:02	WG2218419
Benzo(b)fluoranthene	U		0.00201	0.00790	1	02/06/2024 05:02	WG2218419
Benzo(g,h,i)perylene	U		0.00233	0.00790	1	02/06/2024 05:02	WG2218419
Benzo(k)fluoranthene	U		0.00283	0.00790	1	02/06/2024 05:02	WG2218419
Chrysene	U		0.00305	0.00790	1	02/06/2024 05:02	WG2218419
Dibenz(a,h)anthracene	U		0.00226	0.00790	1	02/06/2024 05:02	WG2218419
Fluoranthene	U		0.00299	0.00790	1	02/06/2024 05:02	WG2218419
Fluorene	U		0.00270	0.00790	1	02/06/2024 05:02	WG2218419
Indeno(1,2,3-cd)pyrene	U		0.00238	0.00790	1	02/06/2024 05:02	WG2218419
Naphthalene	U		0.00537	0.0263	1	02/06/2024 05:02	WG2218419
Phenanthrene	U		0.00304	0.00790	1	02/06/2024 05:02	WG2218419
Pyrene	U		0.00263	0.00790	1	02/06/2024 05:02	WG2218419
1-Methylnaphthalene	U		0.00591	0.0263	1	02/06/2024 05:02	WG2218419
2-Methylnaphthalene	U		0.00562	0.0263	1	02/06/2024 05:02	WG2218419
2-Chloronaphthalene	U		0.00614	0.0263	1	02/06/2024 05:02	WG2218419

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	96.2			23.0-120		02/06/2024 05:02	WG2218419
(S) Nitrobenzene-d5	69.2			14.0-149		02/06/2024 05:02	WG2218419
(S) 2-Fluorobiphenyl	81.9			34.0-125		02/06/2024 05:02	WG2218419

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	02/05/2024 16:10	WG2220093
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/05/2024 16:10	WG2220093

- 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	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/01/2024 05:09	WG2217601
Acrolein	U		2.54	50.0	1	02/01/2024 05:09	WG2217601
Acrylonitrile	U		0.671	10.0	1	02/01/2024 05:09	WG2217601
Benzene	0.324	J	0.0941	1.00	1	02/01/2024 05:09	WG2217601
Bromobenzene	U		0.118	1.00	1	02/01/2024 05:09	WG2217601
Bromodichloromethane	U		0.136	1.00	1	02/01/2024 05:09	WG2217601
Bromoform	U		0.129	1.00	1	02/01/2024 05:09	WG2217601
Bromomethane	U		0.605	5.00	1	02/01/2024 05:09	WG2217601
n-Butylbenzene	U		0.157	1.00	1	02/01/2024 05:09	WG2217601
sec-Butylbenzene	U		0.125	1.00	1	02/01/2024 05:09	WG2217601
tert-Butylbenzene	U		0.127	1.00	1	02/01/2024 05:09	WG2217601
Carbon disulfide	U		0.0962	1.00	1	02/01/2024 05:09	WG2217601
Carbon tetrachloride	U		0.128	1.00	1	02/01/2024 05:09	WG2217601
Chlorobenzene	U		0.116	1.00	1	02/01/2024 05:09	WG2217601
Chlorodibromomethane	U		0.140	1.00	1	02/01/2024 05:09	WG2217601
Chloroethane	U		0.192	5.00	1	02/01/2024 05:09	WG2217601
Chloroform	U		0.111	5.00	1	02/01/2024 05:09	WG2217601
Chloromethane	U		0.960	2.50	1	02/01/2024 05:09	WG2217601
2-Chlorotoluene	U		0.106	1.00	1	02/01/2024 05:09	WG2217601
4-Chlorotoluene	U		0.114	1.00	1	02/01/2024 05:09	WG2217601
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/01/2024 05:09	WG2217601
1,2-Dibromoethane	U		0.126	1.00	1	02/01/2024 05:09	WG2217601
Dibromomethane	U		0.122	1.00	1	02/01/2024 05:09	WG2217601
1,2-Dichlorobenzene	U		0.107	1.00	1	02/01/2024 05:09	WG2217601
1,3-Dichlorobenzene	U		0.110	1.00	1	02/01/2024 05:09	WG2217601
1,4-Dichlorobenzene	U		0.120	1.00	1	02/01/2024 05:09	WG2217601
Dichlorodifluoromethane	U		0.374	5.00	1	02/01/2024 05:09	WG2217601
1,1-Dichloroethane	U		0.100	1.00	1	02/01/2024 05:09	WG2217601
1,2-Dichloroethane	U		0.0819	1.00	1	02/01/2024 05:09	WG2217601
1,1-Dichloroethene	U		0.188	1.00	1	02/01/2024 05:09	WG2217601
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/01/2024 05:09	WG2217601
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/01/2024 05:09	WG2217601
1,2-Dichloropropane	U		0.149	1.00	1	02/01/2024 05:09	WG2217601
1,1-Dichloropropene	U		0.142	1.00	1	02/01/2024 05:09	WG2217601
1,3-Dichloropropane	U		0.110	1.00	1	02/01/2024 05:09	WG2217601
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/01/2024 05:09	WG2217601
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/01/2024 05:09	WG2217601
2,2-Dichloropropane	U		0.161	1.00	1	02/01/2024 05:09	WG2217601
Di-isopropyl ether	U		0.105	1.00	1	02/01/2024 05:09	WG2217601
Ethylbenzene	U		0.137	1.00	1	02/01/2024 05:09	WG2217601
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/01/2024 05:09	WG2217601
Isopropylbenzene	U		0.105	1.00	1	02/01/2024 05:09	WG2217601
p-Isopropyltoluene	U		0.120	1.00	1	02/01/2024 05:09	WG2217601
2-Butanone (MEK)	U		1.19	10.0	1	02/01/2024 05:09	WG2217601
Methylene Chloride	U	J4	0.430	5.00	1	02/01/2024 05:09	WG2217601
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/01/2024 05:09	WG2217601
Methyl tert-butyl ether	U		0.101	1.00	1	02/01/2024 05:09	WG2217601
Naphthalene	U		1.00	5.00	1	02/01/2024 05:09	WG2217601

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	02/01/2024 05:09	WG2217601
Styrene	U		0.118	1.00	1	02/01/2024 05:09	WG2217601
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/01/2024 05:09	WG2217601
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/01/2024 05:09	WG2217601
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	02/01/2024 05:09	WG2217601
Tetrachloroethene	U		0.300	1.00	1	02/01/2024 05:09	WG2217601
Toluene	U		0.278	1.00	1	02/01/2024 05:09	WG2217601
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/01/2024 05:09	WG2217601
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/01/2024 05:09	WG2217601
1,1,1-Trichloroethane	U		0.149	1.00	1	02/01/2024 05:09	WG2217601
1,1,2-Trichloroethane	U		0.158	1.00	1	02/01/2024 05:09	WG2217601
Trichloroethene	U		0.190	1.00	1	02/01/2024 05:09	WG2217601
Trichlorofluoromethane	U		0.160	5.00	1	02/01/2024 05:09	WG2217601
1,2,3-Trichloropropane	U		0.237	2.50	1	02/01/2024 05:09	WG2217601
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/01/2024 05:09	WG2217601
1,2,3-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 05:09	WG2217601
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/01/2024 05:09	WG2217601
Vinyl chloride	U		0.234	1.00	1	02/01/2024 05:09	WG2217601
Xylenes, Total	U		0.174	3.00	1	02/01/2024 05:09	WG2217601
(S) Toluene-d8	96.1			80.0-120		02/01/2024 05:09	WG2217601
(S) 4-Bromofluorobenzene	94.3			77.0-126		02/01/2024 05:09	WG2217601
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		02/01/2024 05:09	WG2217601

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		51.3	154	1.54	02/05/2024 13:09	WG2218526
Residual Range Organics (RRO)	U		128	385	1.54	02/05/2024 13:09	WG2218526
(S) o-Terphenyl	75.0			31.0-160		02/05/2024 13:09	WG2218526

Sample Narrative:

L1700825-30 WG2218526: 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		0.0190	0.0500	1	02/06/2024 09:06	WG2219139
Acenaphthene	U		0.0190	0.0500	1	02/06/2024 09:06	WG2219139
Acenaphthylene	U		0.0171	0.0500	1	02/06/2024 09:06	WG2219139
Benzo(a)anthracene	U		0.0203	0.0500	1	02/06/2024 09:06	WG2219139
Benzo(a)pyrene	U		0.0184	0.0500	1	02/06/2024 09:06	WG2219139
Benzo(b)fluoranthene	U		0.0168	0.0500	1	02/06/2024 09:06	WG2219139
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	02/06/2024 09:06	WG2219139
Benzo(k)fluoranthene	U		0.0202	0.0500	1	02/06/2024 09:06	WG2219139
Chrysene	U		0.0179	0.0500	1	02/06/2024 09:06	WG2219139
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	02/06/2024 09:06	WG2219139
Fluoranthene	U		0.0270	0.100	1	02/06/2024 09:06	WG2219139
Fluorene	U	J4	0.0169	0.0500	1	02/06/2024 09:06	WG2219139
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	02/06/2024 09:06	WG2219139
Naphthalene	U		0.0917	0.250	1	02/06/2024 09:06	WG2219139
Phenanthrene	U		0.0180	0.0500	1	02/06/2024 09:06	WG2219139
Pyrene	U		0.0169	0.0500	1	02/06/2024 09:06	WG2219139
1-Methylnaphthalene	U		0.0687	0.250	1	02/06/2024 09:06	WG2219139
2-Methylnaphthalene	U	J4	0.0674	0.250	1	02/06/2024 09:06	WG2219139
2-Chloronaphthalene	U		0.0682	0.250	1	02/06/2024 09:06	WG2219139

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
(S) Nitrobenzene-d5	45.5			31.0-160		02/06/2024 09:06	WG2219139
(S) 2-Fluorobiphenyl	31.7	J2		48.0-148		02/06/2024 09:06	WG2219139
(S) p-Terphenyl-d14	9.37	J2		37.0-146		02/06/2024 09:06	WG2219139

Sample Narrative:

L1700825-30 WG2219139: Duplicate analysis performed. Results confirm, matrix impacting surrogates.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4029124-1 02/01/24 15:49

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

1 Cp

2 Tc

3 Ss

L1700825-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1700825-01 02/01/24 15:49 • (DUP) R4029124-3 02/01/24 15:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	71.6	72.8	1	1.60		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4029124-2 02/01/24 15:49

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4029123-1 02/01/24 15:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

L1700838-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1700838-02 02/01/24 15:31 • (DUP) R4029123-3 02/01/24 15:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	94.9	94.2	1	0.696		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4029123-2 02/01/24 15:31

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4030312-1 02/06/24 12:54

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

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4030312-2 02/06/24 12:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	49.6	99.2	80.0-120	

⁴Cn

⁵Sr

L1700481-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700481-03 02/06/24 13:01 • (MS) R4030312-4 02/06/24 13:07 • (MSD) R4030312-5 02/06/24 13:10

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	46.8	47.1	93.5	94.2	1	75.0-125			0.707	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029341-1 02/02/24 16:02

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4029341-2 02/02/24 16:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Lead	100	81.6	81.6	80.0-120	

4 Cn

5 Sr

L1700847-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700847-01 02/02/24 16:08 • (MS) R4029341-5 02/02/24 16:18 • (MSD) R4029341-6 02/02/24 16:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Lead	100	5.41	106	105	100	99.9	5	75.0-125			0.265	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4031047-1 02/07/24 16:29

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) R4031047-2 02/07/24 16:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	92.9	92.9	80.0-120	

L1700825-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700825-01 02/07/24 16:35 • (MS) R4031047-5 02/07/24 16:45 • (MSD) R4031047-6 02/07/24 16:48

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 %
Lead	140	11.2	143	133	94.6	87.5	5	75.0-125			7.16	20

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

Method Blank (MB)

(MB) R4029947-3 02/03/24 21:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	92.5			77.0-120

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

(LCS) R4029947-1 02/03/24 20:12 • (LCSD) R4029947-2 02/03/24 20:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.19	4.96	94.4	90.2	71.0-124			4.53	20
(S) a,a,a-Trifluorotoluene(FID)				96.7	96.8	77.0-120				

L1700356-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700356-62 02/03/24 23:34 • (MS) R4029947-4 02/04/24 06:00 • (MSD) R4029947-5 02/04/24 06:19

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	180	U	117	151	64.8	83.6	25	50.0-150			25.4	27
(S) a,a,a-Trifluorotoluene(FID)					96.6	99.4		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) R4029991-2 02/04/24 12:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	64.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	98.2			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4029991-1 02/04/24 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6090	111	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			98.4	78.0-120	

L1699398-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-05 02/04/24 12:42 • (MS) R4029991-3 02/04/24 20:52 • (MSD) R4029991-4 02/04/24 21:16

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	5500	U	5780	5940	105	108	1	10.0-155			2.73	21
(S) a,a,a-Trifluorotoluene(FID)					100	101		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) R4030401-3 02/05/24 09:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	50.5	↓	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120

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

(LCS) R4030401-1 02/05/24 08:45 • (LCSD) R4030401-2 02/05/24 09:07

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 %
Gasoline Range Organics-NWTPH	5500	5990	6360	109	116	70.0-124			5.99	20
(S) a,a,a-Trifluorotoluene(FID)				112	114	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) R4028971-3 02/01/24 00:37

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) R4028971-3 02/01/24 00:37

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	97.5			80.0-120
(S) 4-Bromofluorobenzene	98.2			77.0-126
(S) 1,2-Dichloroethane-d4	85.5			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4028971-1 01/31/24 23:13 • (LCSD) R4028971-2 01/31/24 23:34

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	26.7	27.3	107	109	19.0-160			2.22	27
Acrolein	25.0	25.8	26.2	103	105	10.0-160			1.54	26
Acrylonitrile	25.0	29.5	30.4	118	122	55.0-149			3.01	20

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

(LCS) R4028971-1 01/31/24 23:13 • (LCSD) R4028971-2 01/31/24 23:34

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 %
Benzene	5.00	5.94	5.70	119	114	70.0-123			4.12	20
Bromobenzene	5.00	4.82	4.85	96.4	97.0	73.0-121			0.620	20
Bromodichloromethane	5.00	5.56	5.48	111	110	75.0-120			1.45	20
Bromoform	5.00	5.17	4.97	103	99.4	68.0-132			3.94	20
Bromomethane	5.00	3.26	3.77	65.2	75.4	10.0-160			14.5	25
n-Butylbenzene	5.00	5.66	5.40	113	108	73.0-125			4.70	20
sec-Butylbenzene	5.00	5.16	5.04	103	101	75.0-125			2.35	20
tert-Butylbenzene	5.00	5.19	5.00	104	100	76.0-124			3.73	20
Carbon disulfide	5.00	6.24	6.03	125	121	61.0-128			3.42	20
Carbon tetrachloride	5.00	5.37	5.48	107	110	68.0-126			2.03	20
Chlorobenzene	5.00	5.43	5.14	109	103	80.0-121			5.49	20
Chlorodibromomethane	5.00	5.35	5.07	107	101	77.0-125			5.37	20
Chloroethane	5.00	6.02	7.11	120	142	47.0-150			16.6	20
Chloroform	5.00	5.47	5.32	109	106	73.0-120			2.78	20
Chloromethane	5.00	6.12	6.39	122	128	41.0-142			4.32	20
2-Chlorotoluene	5.00	5.24	5.03	105	101	76.0-123			4.09	20
4-Chlorotoluene	5.00	5.13	4.89	103	97.8	75.0-122			4.79	20
1,2-Dibromo-3-Chloropropane	5.00	4.86	4.97	97.2	99.4	58.0-134			2.24	20
1,2-Dibromoethane	5.00	5.21	5.19	104	104	80.0-122			0.385	20
Dibromomethane	5.00	5.47	5.25	109	105	80.0-120			4.10	20
1,2-Dichlorobenzene	5.00	5.26	5.20	105	104	79.0-121			1.15	20
1,3-Dichlorobenzene	5.00	5.21	5.18	104	104	79.0-120			0.577	20
1,4-Dichlorobenzene	5.00	5.22	4.97	104	99.4	79.0-120			4.91	20
Dichlorodifluoromethane	5.00	5.56	5.82	111	116	51.0-149			4.57	20
1,1-Dichloroethane	5.00	5.75	5.69	115	114	70.0-126			1.05	20
1,2-Dichloroethane	5.00	5.03	5.19	101	104	70.0-128			3.13	20
1,1-Dichloroethene	5.00	5.87	5.80	117	116	71.0-124			1.20	20
cis-1,2-Dichloroethene	5.00	5.69	5.71	114	114	73.0-120			0.351	20
trans-1,2-Dichloroethene	5.00	5.59	5.50	112	110	73.0-120			1.62	20
1,2-Dichloropropane	5.00	6.10	5.75	122	115	77.0-125			5.91	20
1,1-Dichloropropene	5.00	5.51	5.67	110	113	74.0-126			2.86	20
1,3-Dichloropropane	5.00	5.22	5.18	104	104	80.0-120			0.769	20
cis-1,3-Dichloropropene	5.00	5.49	5.45	110	109	80.0-123			0.731	20
trans-1,3-Dichloropropene	5.00	5.30	5.14	106	103	78.0-124			3.07	20
2,2-Dichloropropane	5.00	4.96	4.93	99.2	98.6	58.0-130			0.607	20
Di-isopropyl ether	5.00	5.74	5.73	115	115	58.0-138			0.174	20
Ethylbenzene	5.00	5.43	5.23	109	105	79.0-123			3.75	20
Hexachloro-1,3-butadiene	5.00	5.78	5.60	116	112	54.0-138			3.16	20
Isopropylbenzene	5.00	5.37	5.10	107	102	76.0-127			5.16	20
p-Isopropyltoluene	5.00	5.44	5.23	109	105	76.0-125			3.94	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4028971-1 01/31/24 23:13 • (LCSD) R4028971-2 01/31/24 23:34

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	27.8	28.8	111	115	44.0-160			3.53	20
Methylene Chloride	5.00	5.90	6.05	118	121	67.0-120		J4	2.51	20
4-Methyl-2-pentanone (MIBK)	25.0	27.1	26.5	108	106	68.0-142			2.24	20
Methyl tert-butyl ether	5.00	5.55	5.45	111	109	68.0-125			1.82	20
Naphthalene	5.00	4.70	4.95	94.0	99.0	54.0-135			5.18	20
n-Propylbenzene	5.00	5.01	4.86	100	97.2	77.0-124			3.04	20
Styrene	5.00	6.34	6.07	127	121	73.0-130			4.35	20
1,1,1,2-Tetrachloroethane	5.00	5.06	5.03	101	101	75.0-125			0.595	20
1,1,2,2-Tetrachloroethane	5.00	5.06	4.93	101	98.6	65.0-130			2.60	20
1,1,2-Trichlorotrifluoroethane	5.00	10.5	10.8	210	216	69.0-132	J4	J4	2.82	20
Tetrachloroethene	5.00	5.59	5.30	112	106	72.0-132			5.33	20
Toluene	5.00	5.31	5.08	106	102	79.0-120			4.43	20
1,2,3-Trichlorobenzene	5.00	5.33	5.60	107	112	50.0-138			4.94	20
1,2,4-Trichlorobenzene	5.00	5.35	5.14	107	103	57.0-137			4.00	20
1,1,1-Trichloroethane	5.00	5.25	5.32	105	106	73.0-124			1.32	20
1,1,2-Trichloroethane	5.00	5.39	5.10	108	102	80.0-120			5.53	20
Trichloroethene	5.00	5.62	5.49	112	110	78.0-124			2.34	20
Trichlorofluoromethane	5.00	5.38	5.55	108	111	59.0-147			3.11	20
1,2,3-Trichloropropane	5.00	4.90	4.78	98.0	95.6	73.0-130			2.48	20
1,2,4-Trimethylbenzene	5.00	5.31	5.17	106	103	76.0-121			2.67	20
1,2,3-Trimethylbenzene	5.00	4.96	4.99	99.2	99.8	77.0-120			0.603	20
1,3,5-Trimethylbenzene	5.00	5.14	5.07	103	101	76.0-122			1.37	20
Vinyl chloride	5.00	6.17	6.26	123	125	67.0-131			1.45	20
Xylenes, Total	15.0	16.4	15.6	109	104	79.0-123			5.00	20
(S) Toluene-d8				93.3	91.7	80.0-120				
(S) 4-Bromofluorobenzene				96.3	96.9	77.0-126				
(S) 1,2-Dichloroethane-d4				85.4	88.7	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) R4030163-3 02/02/24 09:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	0.00195	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	0.0127	U	0.00600	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4030163-3 02/02/24 09:01

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	0.00875	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	0.00258	U	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	111			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	95.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4030163-1 02/02/24 07:27 • (LCSD) R4030163-2 02/02/24 07:46

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	0.721	0.636	115	102	10.0-160			12.5	31
Acrylonitrile	0.625	0.693	0.710	111	114	45.0-153			2.42	22
Benzene	0.125	0.118	0.129	94.4	103	70.0-123			8.91	20
Bromobenzene	0.125	0.134	0.140	107	112	73.0-121			4.38	20

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

(LCS) R4030163-1 02/02/24 07:27 • (LCSD) R4030163-2 02/02/24 07:46

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 %
Bromodichloromethane	0.125	0.122	0.127	97.6	102	73.0-121			4.02	20
Bromoform	0.125	0.123	0.119	98.4	95.2	64.0-132			3.31	20
Bromomethane	0.125	0.105	0.123	84.0	98.4	56.0-147			15.8	20
n-Butylbenzene	0.125	0.107	0.110	85.6	88.0	68.0-135			2.76	20
sec-Butylbenzene	0.125	0.138	0.144	110	115	74.0-130			4.26	20
tert-Butylbenzene	0.125	0.134	0.143	107	114	75.0-127			6.50	20
Carbon disulfide	0.125	0.116	0.136	92.8	109	56.0-133			15.9	20
Carbon tetrachloride	0.125	0.112	0.124	89.6	99.2	66.0-128			10.2	20
Chlorobenzene	0.125	0.124	0.125	99.2	100	76.0-128			0.803	20
Chlorodibromomethane	0.125	0.131	0.134	105	107	74.0-127			2.26	20
Chloroethane	0.125	0.114	0.132	91.2	106	61.0-134			14.6	20
Chloroform	0.125	0.119	0.125	95.2	100	72.0-123			4.92	20
Chloromethane	0.125	0.111	0.131	88.8	105	51.0-138			16.5	20
2-Chlorotoluene	0.125	0.129	0.134	103	107	75.0-124			3.80	20
4-Chlorotoluene	0.125	0.133	0.147	106	118	75.0-124			10.0	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.104	84.8	83.2	59.0-130			1.90	20
1,2-Dibromoethane	0.125	0.141	0.136	113	109	74.0-128			3.61	20
Dibromomethane	0.125	0.121	0.127	96.8	102	75.0-122			4.84	20
1,2-Dichlorobenzene	0.125	0.127	0.128	102	102	76.0-124			0.784	20
1,3-Dichlorobenzene	0.125	0.132	0.136	106	109	76.0-125			2.99	20
1,4-Dichlorobenzene	0.125	0.120	0.124	96.0	99.2	77.0-121			3.28	20
Dichlorodifluoromethane	0.125	0.108	0.127	86.4	102	43.0-156			16.2	20
1,1-Dichloroethane	0.125	0.120	0.131	96.0	105	70.0-127			8.76	20
1,2-Dichloroethane	0.125	0.118	0.126	94.4	101	65.0-131			6.56	20
1,1-Dichloroethene	0.125	0.130	0.145	104	116	65.0-131			10.9	20
cis-1,2-Dichloroethene	0.125	0.113	0.122	90.4	97.6	73.0-125			7.66	20
trans-1,2-Dichloroethene	0.125	0.122	0.137	97.6	110	71.0-125			11.6	20
1,2-Dichloropropane	0.125	0.130	0.137	104	110	74.0-125			5.24	20
1,1-Dichloropropene	0.125	0.130	0.142	104	114	73.0-125			8.82	20
1,3-Dichloropropane	0.125	0.142	0.140	114	112	80.0-125			1.42	20
cis-1,3-Dichloropropene	0.125	0.127	0.130	102	104	76.0-127			2.33	20
trans-1,3-Dichloropropene	0.125	0.136	0.140	109	112	73.0-127			2.90	20
2,2-Dichloropropane	0.125	0.118	0.134	94.4	107	59.0-135			12.7	20
Di-isopropyl ether	0.125	0.130	0.138	104	110	60.0-136			5.97	20
Ethylbenzene	0.125	0.123	0.129	98.4	103	74.0-126			4.76	20
Hexachloro-1,3-butadiene	0.125	0.111	0.115	88.8	92.0	57.0-150			3.54	20
Isopropylbenzene	0.125	0.133	0.136	106	109	72.0-127			2.23	20
p-Isopropyltoluene	0.125	0.131	0.140	105	112	72.0-133			6.64	20
2-Butanone (MEK)	0.625	0.617	0.662	98.7	106	30.0-160			7.04	24
Methylene Chloride	0.125	0.113	0.125	90.4	100	68.0-123			10.1	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4030163-1 02/02/24 07:27 • (LCSD) R4030163-2 02/02/24 07:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.625	0.824	0.810	132	130	56.0-143			1.71	20
Methyl tert-butyl ether	0.125	0.121	0.131	96.8	105	66.0-132			7.94	20
Naphthalene	0.125	0.0993	0.112	79.4	89.6	59.0-130			12.0	20
n-Propylbenzene	0.125	0.139	0.144	111	115	74.0-126			3.53	20
Styrene	0.125	0.112	0.114	89.6	91.2	72.0-127			1.77	20
1,1,1,2-Tetrachloroethane	0.125	0.130	0.129	104	103	74.0-129			0.772	20
1,1,2,2-Tetrachloroethane	0.125	0.128	0.132	102	106	68.0-128			3.08	20
1,1,2-Trichlorotrifluoroethane	0.125	0.108	0.125	86.4	100	61.0-139			14.6	20
Tetrachloroethene	0.125	0.132	0.134	106	107	70.0-136			1.50	20
Toluene	0.125	0.130	0.130	104	104	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.109	0.128	87.2	102	59.0-139			16.0	20
1,2,4-Trichlorobenzene	0.125	0.109	0.118	87.2	94.4	62.0-137			7.93	20
1,1,1-Trichloroethane	0.125	0.124	0.136	99.2	109	69.0-126			9.23	20
1,1,2-Trichloroethane	0.125	0.142	0.139	114	111	78.0-123			2.14	20
Trichloroethene	0.125	0.125	0.132	100	106	76.0-126			5.45	20
Trichlorofluoromethane	0.125	0.110	0.125	88.0	100	61.0-142			12.8	20
1,2,3-Trichloropropane	0.125	0.129	0.142	103	114	67.0-129			9.59	20
1,2,4-Trimethylbenzene	0.125	0.131	0.138	105	110	70.0-126			5.20	20
1,2,3-Trimethylbenzene	0.125	0.128	0.129	102	103	74.0-124			0.778	20
1,3,5-Trimethylbenzene	0.125	0.125	0.132	100	106	73.0-127			5.45	20
Vinyl chloride	0.125	0.122	0.144	97.6	115	63.0-134			16.5	20
Xylenes, Total	0.375	0.380	0.391	101	104	72.0-127			2.85	20
(S) Toluene-d8				109	107	75.0-131				
(S) 4-Bromofluorobenzene				101	99.4	67.0-138				
(S) 1,2-Dichloroethane-d4				96.9	101	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) R4031441-3 02/02/24 09:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	0.00110	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) R4031441-3 02/02/24 09:34

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	U		0.000880	0.00650
(S) Toluene-d8	96.6			75.0-131
(S) 4-Bromofluorobenzene	98.4			67.0-138
(S) 1,2-Dichloroethane-d4	97.5			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4031441-1 02/02/24 07:55 • (LCSD) R4031441-2 02/02/24 08:15

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	0.764	1.01	122	162	10.0-160	J4		27.7	31
Acrylonitrile	0.625	0.598	0.750	95.7	120	45.0-153	J3		22.6	22
Benzene	0.125	0.129	0.131	103	105	70.0-123			1.54	20
Bromobenzene	0.125	0.114	0.125	91.2	100	73.0-121			9.21	20

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

(LCS) R4031441-1 02/02/24 07:55 • (LCSD) R4031441-2 02/02/24 08:15

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 %
Bromodichloromethane	0.125	0.126	0.133	101	106	73.0-121			5.41	20
Bromoform	0.125	0.114	0.119	91.2	95.2	64.0-132			4.29	20
Bromomethane	0.125	0.146	0.151	117	121	56.0-147			3.37	20
n-Butylbenzene	0.125	0.107	0.117	85.6	93.6	68.0-135			8.93	20
sec-Butylbenzene	0.125	0.110	0.122	88.0	97.6	74.0-130			10.3	20
tert-Butylbenzene	0.125	0.105	0.121	84.0	96.8	75.0-127			14.2	20
Carbon disulfide	0.125	0.124	0.136	99.2	109	56.0-133			9.23	20
Carbon tetrachloride	0.125	0.132	0.142	106	114	66.0-128			7.30	20
Chlorobenzene	0.125	0.120	0.128	96.0	102	76.0-128			6.45	20
Chlorodibromomethane	0.125	0.114	0.123	91.2	98.4	74.0-127			7.59	20
Chloroethane	0.125	0.170	0.187	136	150	61.0-134	J4	J4	9.52	20
Chloroform	0.125	0.133	0.135	106	108	72.0-123			1.49	20
Chloromethane	0.125	0.130	0.140	104	112	51.0-138			7.41	20
2-Chlorotoluene	0.125	0.115	0.113	92.0	90.4	75.0-124			1.75	20
4-Chlorotoluene	0.125	0.110	0.121	88.0	96.8	75.0-124			9.52	20
1,2-Dibromo-3-Chloropropane	0.125	0.0955	0.103	76.4	82.4	59.0-130			7.56	20
1,2-Dibromoethane	0.125	0.115	0.124	92.0	99.2	74.0-128			7.53	20
Dibromomethane	0.125	0.120	0.135	96.0	108	75.0-122			11.8	20
1,2-Dichlorobenzene	0.125	0.112	0.112	89.6	89.6	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.110	0.118	88.0	94.4	76.0-125			7.02	20
1,4-Dichlorobenzene	0.125	0.111	0.113	88.8	90.4	77.0-121			1.79	20
Dichlorodifluoromethane	0.125	0.130	0.133	104	106	43.0-156			2.28	20
1,1-Dichloroethane	0.125	0.129	0.141	103	113	70.0-127			8.89	20
1,2-Dichloroethane	0.125	0.132	0.135	106	108	65.0-131			2.25	20
1,1-Dichloroethene	0.125	0.131	0.142	105	114	65.0-131			8.06	20
cis-1,2-Dichloroethene	0.125	0.118	0.132	94.4	106	73.0-125			11.2	20
trans-1,2-Dichloroethene	0.125	0.114	0.135	91.2	108	71.0-125			16.9	20
1,2-Dichloropropane	0.125	0.129	0.139	103	111	74.0-125			7.46	20
1,1-Dichloropropene	0.125	0.128	0.138	102	110	73.0-125			7.52	20
1,3-Dichloropropane	0.125	0.119	0.125	95.2	100	80.0-125			4.92	20
cis-1,3-Dichloropropene	0.125	0.128	0.134	102	107	76.0-127			4.58	20
trans-1,3-Dichloropropene	0.125	0.116	0.127	92.8	102	73.0-127			9.05	20
2,2-Dichloropropane	0.125	0.132	0.149	106	119	59.0-135			12.1	20
Di-isopropyl ether	0.125	0.137	0.143	110	114	60.0-136			4.29	20
Ethylbenzene	0.125	0.116	0.124	92.8	99.2	74.0-126			6.67	20
Hexachloro-1,3-butadiene	0.125	0.136	0.130	109	104	57.0-150			4.51	20
Isopropylbenzene	0.125	0.114	0.125	91.2	100	72.0-127			9.21	20
p-Isopropyltoluene	0.125	0.117	0.124	93.6	99.2	72.0-133			5.81	20
2-Butanone (MEK)	0.625	0.464	0.674	74.2	108	30.0-160		J3	36.9	24
Methylene Chloride	0.125	0.118	0.130	94.4	104	68.0-123			9.68	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4031441-1 02/02/24 07:55 • (LCSD) R4031441-2 02/02/24 08:15

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	0.625	0.662	100	106	56.0-143			5.75	20
Methyl tert-butyl ether	0.125	0.126	0.134	101	107	66.0-132			6.15	20
Naphthalene	0.125	0.0832	0.0778	66.6	62.2	59.0-130			6.71	20
n-Propylbenzene	0.125	0.104	0.117	83.2	93.6	74.0-126			11.8	20
Styrene	0.125	0.106	0.114	84.8	91.2	72.0-127			7.27	20
1,1,1,2-Tetrachloroethane	0.125	0.125	0.132	100	106	74.0-129			5.45	20
1,1,2,2-Tetrachloroethane	0.125	0.0978	0.107	78.2	85.6	68.0-128			8.98	20
1,1,2-Trichlorotrifluoroethane	0.125	0.136	0.145	109	116	61.0-139			6.41	20
Tetrachloroethene	0.125	0.124	0.142	99.2	114	70.0-136			13.5	20
Toluene	0.125	0.117	0.127	93.6	102	75.0-121			8.20	20
1,2,3-Trichlorobenzene	0.125	0.114	0.102	91.2	81.6	59.0-139			11.1	20
1,2,4-Trichlorobenzene	0.125	0.116	0.104	92.8	83.2	62.0-137			10.9	20
1,1,1-Trichloroethane	0.125	0.142	0.148	114	118	69.0-126			4.14	20
1,1,2-Trichloroethane	0.125	0.115	0.121	92.0	96.8	78.0-123			5.08	20
Trichloroethene	0.125	0.137	0.150	110	120	76.0-126			9.06	20
Trichlorofluoromethane	0.125	0.127	0.135	102	108	61.0-142			6.11	20
1,2,3-Trichloropropane	0.125	0.108	0.112	86.4	89.6	67.0-129			3.64	20
1,2,4-Trimethylbenzene	0.125	0.103	0.120	82.4	96.0	70.0-126			15.2	20
1,2,3-Trimethylbenzene	0.125	0.105	0.111	84.0	88.8	74.0-124			5.56	20
1,3,5-Trimethylbenzene	0.125	0.107	0.116	85.6	92.8	73.0-127			8.07	20
Vinyl chloride	0.125	0.138	0.157	110	126	63.0-134			12.9	20
Xylenes, Total	0.375	0.333	0.360	88.8	96.0	72.0-127			7.79	20
(S) Toluene-d8				92.5	95.2	75.0-131				
(S) 4-Bromofluorobenzene				98.5	98.1	67.0-138				
(S) 1,2-Dichloroethane-d4				106	105	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) R4029255-2 02/02/24 02:27

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
<i>(S) o-Terphenyl</i>	60.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4029255-1 02/02/24 02:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	32.0	64.0	50.0-150	
<i>(S) o-Terphenyl</i>			50.5	18.0-148	

L1700836-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700836-01 02/02/24 13:40 • (MS) R4029255-3 02/02/24 13:53 • (MSD) R4029255-4 02/02/24 14:05

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 %
Diesel Range Organics (DRO)	49.0	564	413	779	0.000	440	10	50.0-150	<u>V</u>	<u>J3 V</u>	61.4	20
<i>(S) o-Terphenyl</i>					46.9	64.3		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4030753-1 02/05/24 09:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Diesel Range Organics (DRO)	U		33.3	100
Residual Range Organics (RRO)	U		83.3	250
<i>(S) o-Terphenyl</i>	72.5			31.0-160

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

(LCS) R4030753-2 02/05/24 09:46 • (LCSD) R4030753-3 02/05/24 10:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Diesel Range Organics (DRO)	1500	1010	1140	67.3	76.0	50.0-150			12.1	20
<i>(S) o-Terphenyl</i>				74.5	82.0	31.0-160				

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

Method Blank (MB)

(MB) R4029364-3 02/01/24 18:27

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	0.0852		0.0203	0.0500
Benzo(a)pyrene	0.0893		0.0184	0.0500
Benzo(b)fluoranthene	0.0513		0.0168	0.0500
Benzo(g,h,i)perylene	0.105		0.0184	0.0500
Benzo(k)fluoranthene	0.125		0.0202	0.0500
Chrysene	0.120		0.0179	0.0500
Dibenz(a,h)anthracene	0.128		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Indeno(1,2,3-cd)pyrene	0.0713		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	98.5			31.0-160
(S) 2-Fluorobiphenyl	97.0			48.0-148
(S) p-Terphenyl-d14	99.0			37.0-146

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4029364-1 02/01/24 17:52 • (LCSD) R4029364-2 02/01/24 18:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	2.14	2.09	107	104	67.0-150			2.36	20
Acenaphthene	2.00	1.92	1.94	96.0	97.0	65.0-138			1.04	20
Acenaphthylene	2.00	2.10	2.09	105	104	66.0-140			0.477	20
Benzo(a)anthracene	2.00	2.06	2.11	103	105	61.0-140			2.40	20
Benzo(a)pyrene	2.00	2.19	2.21	109	111	60.0-143			0.909	20
Benzo(b)fluoranthene	2.00	1.86	1.94	93.0	97.0	58.0-141			4.21	20
Benzo(g,h,i)perylene	2.00	1.90	1.95	95.0	97.5	52.0-153			2.60	20
Benzo(k)fluoranthene	2.00	1.82	1.94	91.0	97.0	58.0-148			6.38	20
Chrysene	2.00	2.04	2.08	102	104	64.0-144			1.94	20
Dibenz(a,h)anthracene	2.00	2.18	2.22	109	111	52.0-155			1.82	20
Fluoranthene	2.00	2.25	2.25	112	112	69.0-153			0.000	20

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

(LCS) R4029364-1 02/01/24 17:52 • (LCSD) R4029364-2 02/01/24 18:09

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	2.22	2.20	111	110	64.0-136			0.905	20
Indeno(1,2,3-cd)pyrene	2.00	2.15	2.20	107	110	54.0-153			2.30	20
Naphthalene	2.00	1.97	1.96	98.5	98.0	61.0-137			0.509	20
Phenanthrene	2.00	2.04	2.06	102	103	62.0-137			0.976	20
Pyrene	2.00	1.88	1.89	94.0	94.5	60.0-142			0.531	20
1-Methylnaphthalene	2.00	2.03	2.04	102	102	66.0-142			0.491	20
2-Methylnaphthalene	2.00	2.12	2.11	106	105	62.0-136			0.473	20
2-Chloronaphthalene	2.00	1.99	1.97	99.5	98.5	64.0-140			1.01	20
<i>(S) Nitrobenzene-d5</i>				103	96.0	31.0-160				
<i>(S) 2-Fluorobiphenyl</i>				98.0	98.5	48.0-148				
<i>(S) p-Terphenyl-d14</i>				93.5	93.5	37.0-146				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4031079-3 02/06/24 02:09

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	131			31.0-160
(S) 2-Fluorobiphenyl	134			48.0-148
(S) p-Terphenyl-d14	130			37.0-146

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4031079-1 02/06/24 01:34 • (LCSD) R4031079-2 02/06/24 01:51

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	2.50	2.56	125	128	67.0-150			2.37	20
Acenaphthene	2.00	2.44	2.44	122	122	65.0-138			0.000	20
Acenaphthylene	2.00	2.68	2.65	134	133	66.0-140			1.13	20
Benzo(a)anthracene	2.00	2.62	2.63	131	132	61.0-140			0.381	20
Benzo(a)pyrene	2.00	2.48	2.50	124	125	60.0-143			0.803	20
Benzo(b)fluoranthene	2.00	2.60	2.64	130	132	58.0-141			1.53	20
Benzo(g,h,i)perylene	2.00	2.53	2.53	126	126	52.0-153			0.000	20
Benzo(k)fluoranthene	2.00	2.51	2.48	126	124	58.0-148			1.20	20
Chrysene	2.00	2.65	2.72	133	136	64.0-144			2.61	20
Dibenz(a,h)anthracene	2.00	2.63	2.57	132	129	52.0-155			2.31	20
Fluoranthene	2.00	2.63	2.70	132	135	69.0-153			2.63	20

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

(LCS) R4031079-1 02/06/24 01:34 • (LCSD) R4031079-2 02/06/24 01:51

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 %
Fluorene	2.00	2.80	2.77	140	138	64.0-136	J4	J4	1.08	20
Indeno(1,2,3-cd)pyrene	2.00	2.50	2.49	125	124	54.0-153			0.401	20
Naphthalene	2.00	2.57	2.58	129	129	61.0-137			0.388	20
Phenanthrene	2.00	2.58	2.64	129	132	62.0-137			2.30	20
Pyrene	2.00	2.58	2.62	129	131	60.0-142			1.54	20
1-Methylnaphthalene	2.00	2.68	2.70	134	135	66.0-142			0.744	20
2-Methylnaphthalene	2.00	2.68	2.73	134	137	62.0-136		J4	1.85	20
2-Chloronaphthalene	2.00	2.75	2.76	137	138	64.0-140			0.363	20
<i>(S) Nitrobenzene-d5</i>				132	132	31.0-160				
<i>(S) 2-Fluorobiphenyl</i>				136	134	48.0-148				
<i>(S) p-Terphenyl-d14</i>				127	130	37.0-146				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4029943-2 02/02/24 22:02

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	85.0			23.0-120
(S) Nitrobenzene-d5	61.9			14.0-149
(S) 2-Fluorobiphenyl	77.1			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029943-1 02/02/24 21:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0718	89.8	50.0-126	
Acenaphthene	0.0800	0.0681	85.1	50.0-120	
Acenaphthylene	0.0800	0.0698	87.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0724	90.5	45.0-120	
Benzo(a)pyrene	0.0800	0.0695	86.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0764	95.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0776	97.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0694	86.8	49.0-125	
Chrysene	0.0800	0.0760	95.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0811	101	47.0-125	
Fluoranthene	0.0800	0.0812	102	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4029943-1 02/02/24 21:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0784	98.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0882	110	46.0-125	
Naphthalene	0.0800	0.0670	83.8	50.0-120	
Phenanthrene	0.0800	0.0750	93.8	47.0-120	
Pyrene	0.0800	0.0721	90.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0718	89.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0733	91.6	50.0-120	
2-Chloronaphthalene	0.0800	0.0687	85.9	50.0-120	
(S) p-Terphenyl-d14			89.6	23.0-120	
(S) Nitrobenzene-d5			75.7	14.0-149	
(S) 2-Fluorobiphenyl			87.1	34.0-125	

L1700845-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700845-01 02/03/24 02:10 • (MS) R4029943-3 02/03/24 02:28 • (MSD) R4029943-4 02/03/24 02:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	U	0.0797	0.0742	99.6	94.2	1	10.0-145			7.15	30
Acenaphthene	0.0800	U	0.0669	0.0680	83.6	86.3	1	14.0-127			1.63	27
Acenaphthylene	0.0800	U	0.0670	0.0682	83.8	86.5	1	21.0-124			1.78	25
Benzo(a)anthracene	0.0800	U	0.0691	0.0710	86.4	90.1	1	10.0-139			2.71	30
Benzo(a)pyrene	0.0800	U	0.0782	0.0770	97.8	97.7	1	10.0-141			1.55	31
Benzo(b)fluoranthene	0.0800	U	0.0713	0.0723	89.1	91.8	1	10.0-140			1.39	36
Benzo(g,h,i)perylene	0.0800	U	0.0780	0.0759	97.5	96.3	1	10.0-140			2.73	33
Benzo(k)fluoranthene	0.0800	U	0.0777	0.0791	97.1	100	1	10.0-137			1.79	31
Chrysene	0.0800	U	0.0831	0.0753	104	95.6	1	10.0-145			9.85	30
Dibenz(a,h)anthracene	0.0800	U	0.0827	0.0806	103	102	1	10.0-132			2.57	31
Fluoranthene	0.0800	U	0.0834	0.0835	104	106	1	10.0-153			0.120	33
Fluorene	0.0800	U	0.0743	0.0740	92.9	93.9	1	11.0-130			0.405	29
Indeno(1,2,3-cd)pyrene	0.0800	U	0.0833	0.0790	104	100	1	10.0-137			5.30	32
Naphthalene	0.0800	U	0.0674	0.0659	84.3	83.6	1	10.0-135			2.25	27
Phenanthrene	0.0800	U	0.0747	0.0740	93.4	93.9	1	10.0-144			0.941	31
Pyrene	0.0800	U	0.0732	0.0729	91.5	92.5	1	10.0-148			0.411	35
1-Methylnaphthalene	0.0800	U	0.0778	0.0770	97.3	97.7	1	10.0-142			1.03	28
2-Methylnaphthalene	0.0800	U	0.0785	0.0707	98.1	89.7	1	10.0-137			10.5	28
2-Chloronaphthalene	0.0800	U	0.0641	0.0640	80.1	81.2	1	29.0-120			0.156	24
(S) p-Terphenyl-d14					78.8	91.5		23.0-120				
(S) Nitrobenzene-d5					56.1	64.1		14.0-149				
(S) 2-Fluorobiphenyl					74.7	83.1		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

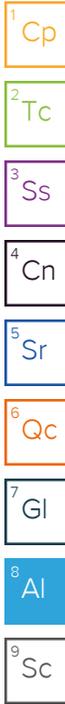
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



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 #: 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	Lead Time: 10 days (std.) 5 days 72 hours 48 hours 24 hours Other _____
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Project Name: American Market

Project #: 2080.012.007

Sampler Name: B. Warner, R. Kemp

Sample Preservative					
Solids: Liquids:	Solids:	Solids: Liquids:	Solids: Liquids:		

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	Requested Analyses							Comments	
					TPH Gasoline by NWTPH-Gx	TPH as Diesel by NWTPH-Dx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Dissolved Pb by EPA 6020B (Field Filtered)	Total Pb by EPA 6020B			
P1-S1	1/29/2024	8:45	S	2	X	X	X	X		X			L 1700625
P1-S2	1/29/2024	8:50	S	2	X	X	X	X					-01
P1-S3	1/29/2024	8:55	S	2									-02
P1-S4	1/29/2024	9:00	S	2									-03
P1-S5	1/29/2024	9:05	S	2									-04
P1-S1 P1	1/29/2024	10:00	W	12	X	X	X	X	X				-05
P2-S1	1/29/2024	11:00	S	2									-06
P2-S2	1/29/2024	11:05	S	2									-07
P2-S3	1/29/2024	11:10	S	2	X	X	X	X		X			-08
P2-S4	1/29/2024	11:15	S	2									-09
P2-S5	1/29/2024	11:20	S	2									-10
P2	1/29/2024	11:15	W	12	X	X	X	X	X				-11
P3-S1	1/29/2024	12:00	S	2									-12
P3-S2	1/29/2024	12:05	S	2	X	X	X	X					-13
P3-S3	1/29/2024	12:10	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.

Return non-analyzed samples on hold.

NO Row

Relinquished By: <i>BRAEDON WARNER</i>	Agency/Agent: <i>GSI</i>	Received By: <i>Julian Peter</i>	Agency/Agent: <i>GSI</i>
Signature: <i>[Signature]</i>	Time & Date: <i>1/30/24 11:00</i>	Signature: <i>[Signature]</i>	Time & Date: <i>1/30/24 11:00</i>
Relinquished By: <i>Julian Peter</i>	Agency/Agent: <i>GSI</i>	Received By: <i>Troy Chumley</i>	Agency/Agent: <i>GSI</i>
Signature: <i>[Signature]</i>	Time & Date: <i>1/30/24 12:00</i>	Signature: <i>[Signature]</i>	Time & Date: <i>1/31/24 09:30</i>

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S A

D IN THE PRICE AGREEMENT ARE

Sample Receipt Checklist *total #116*

COC Seal Present/Intact: *Y N* If Applicable

COC Signed/Accurate: *Y N* VOA Zero Headspace: *Y N* *116*

Bottles arrive intact: *Y N* Pres. Correct/Check: *Y N*

Correct bottles used: *Y N*

Sufficient volume sent: *Y N* *two 2108 8810*

RA Screen <0.5 mR/hr: *Y N*

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, bwarner@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: American Market Project #: 2060.012.007 Sampler Name: B. Warner, R. Kemp				Sample Preservative				61700623
				Solids: Liquids:	Solids: Liquids:	Solids: Liquids:	Solids: Liquids:	

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers	Requested Analyses							Comments	
					TPH Gasoline by NWTPH-Gx	TPH as Diesel by NWTPH-Dx	VOCs (Full List) by EPA8260D	PAHs by EPA8270E-SIM	Disolved Pb by EPA 6020B (Field Filtered)	Total Pb by EPA 6020B			
P3-S4	11/29/24	1215	S	2									-16
P3-S5	11/29/24	1220	S	2									-17
P3	11/29/24	1250	W	12	X	X	X	X	X				-18
P4-S1	11/29/24	1305	S	2	X	X	X	X		X			-19
P4-S2	11/29/24	1310	S	2									-20
P4-S3	11/29/24	1315	S	2									-21
P4-S4	11/29/24	1320	S	2									-22
P4-S5	11/29/24	1325	S	2									-23
P4	11/29/24	1500	W	12	X	X	X	X	X				-24
P5-S1	11/29/24	1420	S	2									-25
P5-S2	11/29/24	1425	S	2	X	X	X	X					-26
P5-S3	11/29/24	1430	S	2	X	X	X	X					-27
P5-S4	11/29/24	1435	S	2									-28
P5-S5	11/29/24	1440	S	2									-29
P5	11/29/24	1550	W	12	X	X	X	X					-30

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.

Return non-analyzed samples on hold.

Relinquished By: <i>Braedon Warner</i>	Agency/Agent: <i>GSI</i>	Received By: <i>Julian Peter</i>	Agency/Agent: <i>GSI</i>
Signature: <i>[Signature]</i>	Time & Date: <i>11/30/24 11:00</i>	Signature: <i>[Signature]</i>	Time & Date: <i>1/30/24 11:00</i>
Relinquished By: <i>Julian Peter</i>	Agency/Agent: <i>GSI</i>	Received By: <i>Trey Chumley</i>	Agency/Agent:
Signature: <i>[Signature]</i>	Time & Date: <i>12:00</i>	Signature: <i>[Signature]</i>	Time & Date: <i>01/30/24 0930</i>

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