

March 12, 2024

Revised Report

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1700815
Samples Received: 01/31/2024
Project Number: 22136
Description: OMSI District Road Parcels Sampling

Report To: Sarah Weppner
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

Pace Analytical National

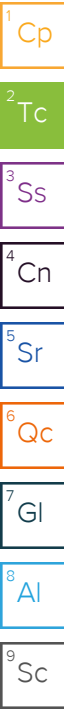
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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

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SAMPLE SUMMARY

OD-BH5-SC-5'-15' L1700815-01 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 12:55

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:31	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:42	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217581	1	02/01/24 14:08	02/02/24 01:15	JMB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

OD-BH5-SC-15'-25' L1700815-02 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 13:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:33	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:44	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217581	1	02/01/24 14:08	02/02/24 01:26	JMB	Mt. Juliet, TN

OD-BH6-SG-15' L1700815-03 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 15:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221972	29	01/23/24 15:30	02/08/24 10:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/23/24 15:30	02/06/24 21:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/23/24 15:30	02/09/24 00:01	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217632	1	02/01/24 16:40	02/01/24 23:48	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 02:02	MKM	Mt. Juliet, TN

OD-BH6-SC-0'-5' L1700815-04 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 14:15

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:36	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:49	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 22:14	JMB	Mt. Juliet, TN

OD-BH6-SC-10'-15' L1700815-05 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 15:40

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 12:59	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:26	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 22:23	JMB	Mt. Juliet, TN

OD-BH6-SC-15'-25' L1700815-06 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 15:50

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217677	1	02/01/24 10:01	02/01/24 10:10	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:38	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:46	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 22:49	JMB	Mt. Juliet, TN

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

22136

SDG:

L1700815

DATE/TIME:

03/12/24 14:03

PAGE:

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SAMPLE SUMMARY

OD-BH7-SG-15' L1700815-07 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 16:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221972	26.5	01/23/24 16:00	02/08/24 10:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/23/24 16:00	02/06/24 21:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/23/24 16:00	02/09/24 01:54	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217631	1	02/01/24 16:01	02/02/24 02:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 02:54	MKM	Mt. Juliet, TN

OD-BH7-SC-0'-5' L1700815-08 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 14:35

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:47	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 22:58	JMB	Mt. Juliet, TN

OD-BH7-SC-5'-15' L1700815-09 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 16:05

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:51	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:07	JMB	Mt. Juliet, TN

OD-BH7-SC-15'-25' L1700815-10 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 16:10

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 13:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:52	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:16	JMB	Mt. Juliet, TN

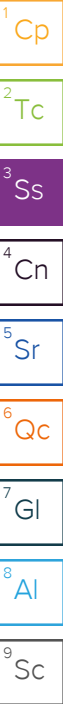
OD-BH8-SG-20' L1700815-11 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 09:25

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	28	01/24/24 09:25	02/06/24 19:35	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	29.8	01/24/24 09:25	02/06/24 22:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	29.8	01/24/24 09:25	02/09/24 02:15	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217631	1	02/01/24 16:01	02/02/24 02:29	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 03:12	MKM	Mt. Juliet, TN



SAMPLE SUMMARY

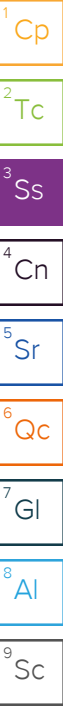
OD-BH8-SC-0'-5' L1700815-12 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 11:10

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 18:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:47	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:24	JMB	Mt. Juliet, TN



OD-BH8-SC-5'-15' L1700815-13 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 09:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 18:55	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:49	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:33	JMB	Mt. Juliet, TN

OD-BH8-SC-15'-25' L1700815-14 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 09:40

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 18:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:51	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:42	JMB	Mt. Juliet, TN

OD-BH9-SG-15' L1700815-15 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 15:20

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25.8	01/24/24 15:20	02/06/24 19:58	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/24/24 15:20	02/06/24 22:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/24/24 15:20	02/09/24 02:36	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217631	1	02/01/24 16:01	02/02/24 02:42	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 03:30	MKM	Mt. Juliet, TN

OD-BH9-SC-0'-5' L1700815-16 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 13:25

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217678	1	02/01/24 09:46	02/01/24 09:59	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:00	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:53	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/01/24 23:51	JMB	Mt. Juliet, TN

OD-BH9-SC-5'-15' L1700815-17 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 15:25

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:02	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:54	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:00	JMB	Mt. Juliet, TN

SAMPLE SUMMARY

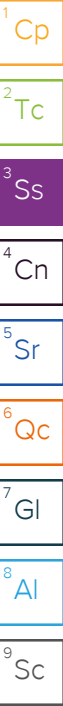
OD-BH9-SC-15'-25' L1700815-18 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 15:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/02/24 00:00	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:08	JMB	Mt. Juliet, TN



OD-BH10-SG-20' L1700815-19 Solid

Collected by
Brady Brantley

Collected date/time
01/25/24 09:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	25	01/25/24 09:00	02/06/24 20:21	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/25/24 09:00	02/06/24 22:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/25/24 09:00	02/09/24 02:58	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217631	1	02/01/24 16:01	02/02/24 02:55	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 03:47	MKM	Mt. Juliet, TN

OD-BH10-SC-0'-5' L1700815-20 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 14:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:07	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/02/24 00:01	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:17	JMB	Mt. Juliet, TN

OD-BH10-SC-5'-15' L1700815-21 Solid

Collected by
Brady Brantley

Collected date/time
01/25/24 09:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:15	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/02/24 00:03	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/02/24 12:39	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:26	JMB	Mt. Juliet, TN

OD-BH10-SC-15'-25' L1700815-22 Solid

Collected by
Brady Brantley

Collected date/time
01/25/24 09:05

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217751	1	02/01/24 09:14	02/01/24 19:17	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/02/24 00:05	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:35	JMB	Mt. Juliet, TN

OD-BH11-SG-15' L1700815-23 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 11:45

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221007	37.8	01/24/24 11:45	02/06/24 20:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/24/24 11:45	02/06/24 23:15	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

OD-BH11-SG-15' L1700815-23 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 11:45

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/24/24 11:45	02/09/24 03:19	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217632	1	02/01/24 16:40	02/02/24 00:27	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 04:05	MKM	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

OD-BH11-SC-0'-5' L1700815-24 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 15:45

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:54	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:44	JMB	Mt. Juliet, TN

Collected by
Brady Brantley

Collected date/time
01/24/24 11:50

Received date/time
01/31/24 09:30

OD-BH11-SC-5'-15' L1700815-25 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:12	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:55	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/03/24 10:54	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 00:52	JMB	Mt. Juliet, TN

Collected by
Brady Brantley

Collected date/time
01/24/24 14:35

Received date/time
01/31/24 09:30

OD-BH12-SG-15' L1700815-26 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217679	1	02/01/24 12:21	02/01/24 12:42	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221972	25	01/24/24 14:35	02/08/24 10:54	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/24/24 14:35	02/06/24 23:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/24/24 14:35	02/09/24 03:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217632	1	02/01/24 16:40	02/02/24 00:41	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 04:23	MKM	Mt. Juliet, TN

Collected by
Brady Brantley

Collected date/time
01/23/24 17:00

Received date/time
01/31/24 09:30

OD-BH12-SC-0'-5' L1700815-27 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:15	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 17:57	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 01:01	JMB	Mt. Juliet, TN

Collected by
Brady Brantley

Collected date/time
01/24/24 14:40

Received date/time
01/31/24 09:30

OD-BH12-SC-5'-15' L1700815-28 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:17	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 18:02	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 01:10	JMB	Mt. Juliet, TN

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

22136

SDG:

L1700815

DATE/TIME:

03/12/24 14:03

PAGE:

8 of 153

SAMPLE SUMMARY

OD-BH12-SC-15'-25' L1700815-29 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 14:45

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 20:33	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218282	1	02/01/24 16:25	02/01/24 23:22	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217623	1	02/01/24 14:02	02/02/24 01:52	JMB	Mt. Juliet, TN

OD-BH15-SG-15' L1700815-30 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 12:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2221972	25	01/23/24 12:30	02/08/24 11:17	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221351	25	01/23/24 12:30	02/06/24 23:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2221979	25	01/23/24 12:30	02/09/24 04:02	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2217632	1	02/01/24 16:40	02/02/24 00:53	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2217633	1	02/01/24 19:04	02/02/24 04:40	MKM	Mt. Juliet, TN

OD-BH15-SC-5'-15' L1700815-31 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 12:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:20	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 18:04	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217583	1	02/01/24 14:11	02/02/24 01:19	JMB	Mt. Juliet, TN

OD-BH16-SC-5'-15' L1700815-32 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 14:25

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2217680	1	02/01/24 12:04	02/01/24 12:18	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2217753	1	02/01/24 09:54	02/01/24 21:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2217811	1	02/01/24 13:39	02/02/24 18:05	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2217623	1	02/01/24 14:02	02/02/24 02:20	JMB	Mt. Juliet, TN

TRIP BLANK L1700815-33 GW

Collected by
Brady Brantley

Collected date/time
01/23/24 00:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218041	1	02/01/24 18:01	02/01/24 18:01	JCP	Mt. Juliet, TN

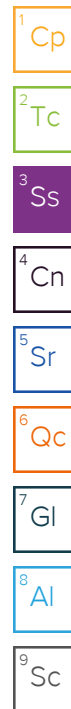
OD-BH1-SG-15' L1700815-36 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 13:30

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218501	1	02/02/24 09:35	02/02/24 09:47	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218642	25	01/23/24 13:30	02/03/24 20:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218764	26.3	01/23/24 13:30	02/02/24 17:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 14:27	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 05:25	MKM	Mt. Juliet, TN



SAMPLE SUMMARY

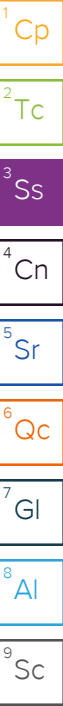
OD-BH1-SC-0'-5' L1700815-37 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 12:10

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218501	1	02/02/24 09:35	02/02/24 09:47	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:28	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218674	1	02/02/24 15:21	02/03/24 20:07	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 00:29	JMB	Mt. Juliet, TN



OD-BH1-SC-5'-15' L1700815-38 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 13:35

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:30	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218674	1	02/02/24 15:21	02/03/24 20:09	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2223066	2	02/05/24 14:49	02/10/24 14:24	JMB	Mt. Juliet, TN

OD-BH1-SC-15'-25' L1700815-39 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 13:45

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:33	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218674	1	02/02/24 15:21	02/03/24 20:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218674	5	02/02/24 15:21	02/04/24 10:14	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2223066	2	02/05/24 14:49	02/10/24 14:34	JMB	Mt. Juliet, TN

OD-BH2-SG-15' L1700815-40 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 14:35

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218642	25	01/23/24 14:35	02/03/24 20:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2220176	25	01/23/24 14:35	02/06/24 02:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 18:22	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 02:50	MKM	Mt. Juliet, TN

OD-BH2-SC-0'-5' L1700815-41 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 12:30

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:35	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218668	1	02/05/24 01:28	02/05/24 13:41	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 00:55	JMB	Mt. Juliet, TN

OD-BH2-SC-5'-15' L1700815-42 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 14:40

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:38	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218668	1	02/05/24 01:28	02/05/24 13:44	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:04	JMB	Mt. Juliet, TN

SAMPLE SUMMARY

OD-BH2-SC-15'-25' L1700815-43 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 14:50

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:40	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218668	1	02/05/24 01:28	02/05/24 13:47	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:13	JMB	Mt. Juliet, TN

OD-BH3-SG-15' L1700815-44 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 09:45

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218642	25	01/23/24 09:45	02/03/24 21:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218764	25	01/23/24 09:45	02/02/24 17:56	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 15:06	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 05:43	MKM	Mt. Juliet, TN

OD-BH3-SC-0'-5' L1700815-45 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 15:20

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 15:43	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218668	1	02/05/24 01:28	02/05/24 13:55	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:22	JMB	Mt. Juliet, TN

OD-BH3-SC-5'-15' L1700815-46 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 09:50

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2219098	1	02/03/24 09:36	02/04/24 16:02	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218668	1	02/05/24 01:28	02/05/24 13:58	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:31	JMB	Mt. Juliet, TN

OD-BH3-SC-15'-25' L1700815-47 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 09:55

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218502	1	02/02/24 09:20	02/02/24 09:32	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:05	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:39	JMB	Mt. Juliet, TN

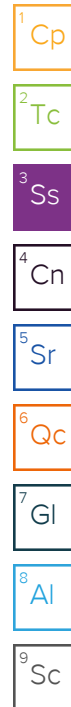
OD-BH4-SG-15' L1700815-48 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 10:15

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218505	1	02/02/24 17:23	02/02/24 17:32	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218642	25	01/23/24 10:15	02/03/24 22:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218764	25	01/23/24 10:15	02/02/24 18:17	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 15:19	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 06:01	MKM	Mt. Juliet, TN



SAMPLE SUMMARY

OD-BH4-SC-0'-5' L1700815-49 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 15:40

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:44	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:06	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:48	JMB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

OD-BH4-SC-5'-15' L1700815-50 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 10:20

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218664	1	02/02/24 15:19	02/03/24 20:59	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 01:57	JMB	Mt. Juliet, TN

OD-BH4-SC-15'-25' L1700815-51 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 10:25

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:49	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:08	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 02:06	JMB	Mt. Juliet, TN

OD-BH5-SG-15' L1700815-52 Solid

Collected by
Brady Brantley

Collected date/time
01/23/24 12:50

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218642	25.8	01/23/24 12:50	02/03/24 22:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218764	25	01/23/24 12:50	02/02/24 18:38	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 15:32	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 06:18	MKM	Mt. Juliet, TN

OD-BH5-SC-0'-5' L1700815-53 Solid

Collected by
Brady Brantley

Collected date/time
01/22/24 16:00

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:51	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:13	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 02:15	JMB	Mt. Juliet, TN

OD-BH13-SG-15' L1700815-54 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 13:45

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2218681	25	01/24/24 13:45	02/03/24 15:47	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218764	25	01/24/24 13:45	02/02/24 19:00	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2219220	1	02/03/24 07:49	02/03/24 15:45	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218524	1	02/02/24 09:42	02/03/24 06:36	MKM	Mt. Juliet, TN

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

22136

SDG:

L1700815

DATE/TIME:

03/12/24 14:03

PAGE:

12 of 153

SAMPLE SUMMARY

OD-BH13-SC-0'-5' L1700815-55 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 11:50

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 13:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:15	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 02:24	JMB	Mt. Juliet, TN

OD-BH13-SC-5'-15' L1700815-56 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 13:50

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 14:01	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:16	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 02:32	JMB	Mt. Juliet, TN

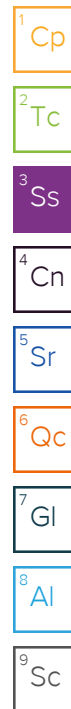
OD-BH13-SC-15'-25' L1700815-57 Solid

Collected by
Brady Brantley

Collected date/time
01/24/24 14:00

Received date/time
02/01/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2218504	1	02/02/24 16:04	02/02/24 16:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2218640	1	02/05/24 11:53	02/06/24 14:03	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218660	1	02/02/24 22:12	02/03/24 17:18	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219631	1	02/05/24 14:49	02/06/24 02:41	JMB	Mt. Juliet, TN



CASE NARRATIVE

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



Kelly Mercer
Project Manager

Report Revision History

Level II Report - Version 1: 02/13/24 10:18

Project Narrative

Total PCBs



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.5		1	02/01/2024 10:10	WG2217677

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0213	J	0.0180	0.0400	1	02/05/2024 13:31	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.09		0.544	2.00	1	02/02/2024 17:42	WG2217811
Arsenic	4.10		0.518	2.00	1	02/02/2024 17:42	WG2217811
Beryllium	0.0510	J	0.0315	0.200	1	02/02/2024 17:42	WG2217811
Cadmium	0.0955	J	0.0471	0.500	1	02/02/2024 17:42	WG2217811
Chromium	13.5		0.133	1.00	1	02/02/2024 17:42	WG2217811
Copper	16.7		0.400	2.00	1	02/02/2024 17:42	WG2217811
Lead	16.7		0.208	0.500	1	02/02/2024 17:42	WG2217811
Nickel	13.0		0.132	2.00	1	02/02/2024 17:42	WG2217811
Selenium	0.833	J	0.764	2.00	1	02/02/2024 17:42	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:42	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:42	WG2217811
Zinc	47.5		0.832	5.00	1	02/02/2024 17:42	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 01:15	WG2217581
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:15	WG2217581
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:15	WG2217581
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:15	WG2217581
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:15	WG2217581
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:15	WG2217581
PCB 1260	U		0.00738	0.0170	1	02/02/2024 01:15	WG2217581
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:15	WG2217581
(S) Decachlorobiphenyl	72.6			10.0-135		02/02/2024 01:15	WG2217581
(S) Tetrachloro-m-xylene	83.7			10.0-139		02/02/2024 01:15	WG2217581

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.8		1	02/01/2024 10:10	WG2217677

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0214	J	0.0180	0.0400	1	02/05/2024 13:33	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.64	J	0.544	2.00	1	02/02/2024 17:44	WG2217811
Arsenic	6.46		0.518	2.00	1	02/02/2024 17:44	WG2217811
Beryllium	0.156	J	0.0315	0.200	1	02/02/2024 17:44	WG2217811
Cadmium	0.0773	J	0.0471	0.500	1	02/02/2024 17:44	WG2217811
Chromium	15.6		0.133	1.00	1	02/02/2024 17:44	WG2217811
Copper	18.5		0.400	2.00	1	02/02/2024 17:44	WG2217811
Lead	19.0		0.208	0.500	1	02/02/2024 17:44	WG2217811
Nickel	13.8		0.132	2.00	1	02/02/2024 17:44	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:44	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:44	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:44	WG2217811
Zinc	52.7		0.832	5.00	1	02/02/2024 17:44	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 01:26	WG2217581
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:26	WG2217581
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:26	WG2217581
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:26	WG2217581
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:26	WG2217581
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:26	WG2217581
PCB 1260	U		0.00738	0.0170	1	02/02/2024 01:26	WG2217581
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:26	WG2217581
(S) Decachlorobiphenyl	62.9			10.0-135		02/02/2024 01:26	WG2217581
(S) Tetrachloro-m-xylene	72.6			10.0-139		02/02/2024 01:26	WG2217581

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	02/01/2024 10:10	WG2217677

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.34	B J Q	0.983	2.90	29	02/08/2024 10:09	WG2221972
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		02/08/2024 10:09	WG2221972

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 21:29	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 21:29	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 21:29	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 21:29	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 21:29	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 21:29	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 21:29	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 21:29	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 21:29	WG2221351
Methyl tert-butyl ether	U	C3 J3	0.00875	0.0250	25	02/06/2024 21:29	WG2221351
1,2-Dichloroethane	U	J3	0.0113	0.0250	25	02/06/2024 21:29	WG2221351
1,2-Dibromoethane	U	J3	0.00625	0.0250	25	02/06/2024 21:29	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 21:29	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 21:29	WG2221351
cis-1,2-Dichloroethene	U	J3	0.0119	0.0250	25	02/06/2024 21:29	WG2221351
trans-1,2-Dichloroethene	U	J3	0.0125	0.0250	25	02/06/2024 21:29	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 21:29	WG2221351
1,1-Dichloroethane	U	J3	0.00670	0.0250	25	02/06/2024 21:29	WG2221351
1,1,1-Trichloroethane	U	J3	0.00925	0.0250	25	02/06/2024 21:29	WG2221351
Vinyl chloride	U	J3	0.00565	0.0250	25	02/06/2024 21:29	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 00:01	WG2221979
(S) Toluene-d8	122			75.0-131		02/06/2024 21:29	WG2221351
(S) Toluene-d8	117			75.0-131		02/09/2024 00:01	WG2221979
(S) 4-Bromofluorobenzene	99.2			67.0-138		02/06/2024 21:29	WG2221351
(S) 4-Bromofluorobenzene	92.2			67.0-138		02/09/2024 00:01	WG2221979
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		02/06/2024 21:29	WG2221351
(S) 1,2-Dichloroethane-d4	83.3			70.0-130		02/09/2024 00:01	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.31	J J3 J6	1.33	4.00	1	02/01/2024 23:48	WG2217632
Residual Range Organics (RRO)	U		3.33	10.0	1	02/01/2024 23:48	WG2217632
(S) o-Terphenyl	32.9			18.0-148		02/01/2024 23:48	WG2217632

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U	J3	0.00209	0.00600	1	02/02/2024 02:02	WG2217633
Anthracene	U	J3	0.00230	0.00600	1	02/02/2024 02:02	WG2217633
Benzo(a)anthracene	U	J3	0.00173	0.00600	1	02/02/2024 02:02	WG2217633
Benzo(a)pyrene	U	J3	0.00179	0.00600	1	02/02/2024 02:02	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U	J3	0.00153	0.00600	1	02/02/2024 02:02	WG2217633
Benzo(k)fluoranthene	U	J3	0.00215	0.00600	1	02/02/2024 02:02	WG2217633
Chrysene	U	J3	0.00232	0.00600	1	02/02/2024 02:02	WG2217633
Fluoranthene	U	J3	0.00227	0.00600	1	02/02/2024 02:02	WG2217633
Fluorene	U	J3	0.00205	0.00600	1	02/02/2024 02:02	WG2217633
Pyrene	U	J3	0.00200	0.00600	1	02/02/2024 02:02	WG2217633
(S) p-Terphenyl-d14	60.7			23.0-120		02/02/2024 02:02	WG2217633
(S) Nitrobenzene-d5	74.8			14.0-149		02/02/2024 02:02	WG2217633
(S) 2-Fluorobiphenyl	78.8			34.0-125		02/02/2024 02:02	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	02/01/2024 10:10	WG2217677

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0767		0.0180	0.0400	1	02/05/2024 13:36	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.61	J	0.544	2.00	1	02/02/2024 17:49	WG2217811
Arsenic	3.60		0.518	2.00	1	02/02/2024 17:49	WG2217811
Beryllium	U		0.0315	0.200	1	02/02/2024 17:49	WG2217811
Cadmium	0.215	J	0.0471	0.500	1	02/02/2024 17:49	WG2217811
Chromium	12.0		0.133	1.00	1	02/02/2024 17:49	WG2217811
Copper	36.0		0.400	2.00	1	02/02/2024 17:49	WG2217811
Lead	23.9		0.208	0.500	1	02/02/2024 17:49	WG2217811
Nickel	15.6		0.132	2.00	1	02/02/2024 17:49	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:49	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:49	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:49	WG2217811
Zinc	93.3		0.832	5.00	1	02/02/2024 17:49	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 22:14	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 22:14	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 22:14	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 22:14	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 22:14	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 22:14	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 22:14	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 22:14	WG2217583
(S) Decachlorobiphenyl	87.2			10.0-135		02/01/2024 22:14	WG2217583
(S) Tetrachloro-m-xylene	97.5			10.0-139		02/01/2024 22:14	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.2		1	02/01/2024 10:10	WG2217677

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0269	J J3 J5 O1	0.0180	0.0400	1	02/05/2024 12:59	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.70	J J6	0.544	2.00	1	02/02/2024 17:26	WG2217811
Arsenic	4.90	J6	0.518	2.00	1	02/02/2024 17:26	WG2217811
Beryllium	0.121	J	0.0315	0.200	1	02/02/2024 17:26	WG2217811
Cadmium	0.137	J	0.0471	0.500	1	02/02/2024 17:26	WG2217811
Chromium	17.4		0.133	1.00	1	02/02/2024 17:26	WG2217811
Copper	20.7		0.400	2.00	1	02/02/2024 17:26	WG2217811
Lead	20.2		0.208	0.500	1	02/02/2024 17:26	WG2217811
Nickel	14.0		0.132	2.00	1	02/02/2024 17:26	WG2217811
Selenium	1.35	J	0.764	2.00	1	02/02/2024 17:26	WG2217811
Silver	U	J6	0.127	1.00	1	02/02/2024 17:26	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:26	WG2217811
Zinc	55.9		0.832	5.00	1	02/02/2024 17:26	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 22:23	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 22:23	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 22:23	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 22:23	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 22:23	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 22:23	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 22:23	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 22:23	WG2217583
(S) Decachlorobiphenyl	78.9			10.0-135		02/01/2024 22:23	WG2217583
(S) Tetrachloro-m-xylene	86.1			10.0-139		02/01/2024 22:23	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.0		1	02/01/2024 10:10	WG2217677

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0272	J	0.0180	0.0400	1	02/05/2024 13:38	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.83	J	0.544	2.00	1	02/02/2024 17:46	WG2217811
Arsenic	4.98		0.518	2.00	1	02/02/2024 17:46	WG2217811
Beryllium	0.214		0.0315	0.200	1	02/02/2024 17:46	WG2217811
Cadmium	0.114	J	0.0471	0.500	1	02/02/2024 17:46	WG2217811
Chromium	16.7		0.133	1.00	1	02/02/2024 17:46	WG2217811
Copper	15.9		0.400	2.00	1	02/02/2024 17:46	WG2217811
Lead	15.5		0.208	0.500	1	02/02/2024 17:46	WG2217811
Nickel	12.9		0.132	2.00	1	02/02/2024 17:46	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:46	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:46	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:46	WG2217811
Zinc	50.9		0.832	5.00	1	02/02/2024 17:46	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 22:49	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 22:49	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 22:49	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 22:49	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 22:49	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 22:49	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 22:49	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 22:49	WG2217583
(S) Decachlorobiphenyl	56.8			10.0-135		02/01/2024 22:49	WG2217583
(S) Tetrachloro-m-xylene	76.3			10.0-139		02/01/2024 22:49	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.9		1	02/01/2024 09:59	WG2217678

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.09	B J Q	0.898	2.65	26.5	02/08/2024 10:31	WG2221972
(S) a,a,a-Trifluorotoluene(FID)	93.9			77.0-120		02/08/2024 10:31	WG2221972

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 21:50	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 21:50	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 21:50	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 21:50	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 21:50	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 21:50	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 21:50	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 21:50	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 21:50	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 21:50	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 21:50	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 21:50	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 21:50	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 21:50	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 21:50	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 21:50	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 21:50	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 21:50	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 21:50	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 21:50	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 01:54	WG2221979
(S) Toluene-d8	107			75.0-131		02/06/2024 21:50	WG2221351
(S) Toluene-d8	111			75.0-131		02/09/2024 01:54	WG2221979
(S) 4-Bromofluorobenzene	105			67.0-138		02/06/2024 21:50	WG2221351
(S) 4-Bromofluorobenzene	102			67.0-138		02/09/2024 01:54	WG2221979
(S) 1,2-Dichloroethane-d4	93.7			70.0-130		02/06/2024 21:50	WG2221351
(S) 1,2-Dichloroethane-d4	97.0			70.0-130		02/09/2024 01:54	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 02:16	WG2217631
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 02:16	WG2217631
(S) o-Terphenyl	21.6			18.0-148		02/02/2024 02:16	WG2217631

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 02:54	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 02:54	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 02:54	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 02:54	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 02:54	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 02:54	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 02:54	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 02:54	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 02:54	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 02:54	WG2217633
(S) p-Terphenyl-d14	88.8			23.0-120		02/02/2024 02:54	WG2217633
(S) Nitrobenzene-d5	90.7			14.0-149		02/02/2024 02:54	WG2217633
(S) 2-Fluorobiphenyl	90.4			34.0-125		02/02/2024 02:54	WG2217633

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0374	J	0.0180	0.0400	1	02/05/2024 13:41	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.49		0.544	2.00	1	02/02/2024 17:47	WG2217811
Arsenic	3.13		0.518	2.00	1	02/02/2024 17:47	WG2217811
Beryllium	U		0.0315	0.200	1	02/02/2024 17:47	WG2217811
Cadmium	0.157	J	0.0471	0.500	1	02/02/2024 17:47	WG2217811
Chromium	15.5		0.133	1.00	1	02/02/2024 17:47	WG2217811
Copper	33.9		0.400	2.00	1	02/02/2024 17:47	WG2217811
Lead	32.3		0.208	0.500	1	02/02/2024 17:47	WG2217811
Nickel	18.3		0.132	2.00	1	02/02/2024 17:47	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:47	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:47	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:47	WG2217811
Zinc	55.7		0.832	5.00	1	02/02/2024 17:47	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 22:58	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 22:58	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 22:58	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 22:58	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 22:58	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 22:58	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 22:58	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 22:58	WG2217583
(S) Decachlorobiphenyl	83.5			10.0-135		02/01/2024 22:58	WG2217583
(S) Tetrachloro-m-xylene	96.5			10.0-139		02/01/2024 22:58	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.6		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0306	J	0.0180	0.0400	1	02/05/2024 13:43	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.77	J	0.544	2.00	1	02/02/2024 17:51	WG2217811
Arsenic	4.48		0.518	2.00	1	02/02/2024 17:51	WG2217811
Beryllium	0.119	J	0.0315	0.200	1	02/02/2024 17:51	WG2217811
Cadmium	0.142	J	0.0471	0.500	1	02/02/2024 17:51	WG2217811
Chromium	19.8		0.133	1.00	1	02/02/2024 17:51	WG2217811
Copper	22.5		0.400	2.00	1	02/02/2024 17:51	WG2217811
Lead	26.6		0.208	0.500	1	02/02/2024 17:51	WG2217811
Nickel	14.8		0.132	2.00	1	02/02/2024 17:51	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:51	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:51	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:51	WG2217811
Zinc	58.1		0.832	5.00	1	02/02/2024 17:51	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:07	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:07	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:07	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:07	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:07	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:07	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:07	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:07	WG2217583
(S) Decachlorobiphenyl	80.5			10.0-135		02/01/2024 23:07	WG2217583
(S) Tetrachloro-m-xylene	92.0			10.0-139		02/01/2024 23:07	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.3		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0454		0.0180	0.0400	1	02/05/2024 13:46	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.54		0.544	2.00	1	02/02/2024 17:52	WG2217811
Arsenic	6.68		0.518	2.00	1	02/02/2024 17:52	WG2217811
Beryllium	0.175	J	0.0315	0.200	1	02/02/2024 17:52	WG2217811
Cadmium	0.128	J	0.0471	0.500	1	02/02/2024 17:52	WG2217811
Chromium	18.4		0.133	1.00	1	02/02/2024 17:52	WG2217811
Copper	17.7		0.400	2.00	1	02/02/2024 17:52	WG2217811
Lead	17.2		0.208	0.500	1	02/02/2024 17:52	WG2217811
Nickel	14.1		0.132	2.00	1	02/02/2024 17:52	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:52	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:52	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:52	WG2217811
Zinc	53.6		0.832	5.00	1	02/02/2024 17:52	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:16	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:16	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:16	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:16	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:16	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:16	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:16	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:16	WG2217583
(S) Decachlorobiphenyl	65.4			10.0-135		02/01/2024 23:16	WG2217583
(S) Tetrachloro-m-xylene	79.9			10.0-139		02/01/2024 23:16	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	02/01/2024 09:59	WG2217678

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.67	B J	0.949	2.80	28	02/06/2024 19:35	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	94.4			77.0-120		02/06/2024 19:35	WG2221007

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.0112	0.0298	29.8	02/06/2024 22:11	WG2221351
Toluene	U		0.0367	0.149	29.8	02/06/2024 22:11	WG2221351
Ethylbenzene	U		0.00894	0.0298	29.8	02/06/2024 22:11	WG2221351
Xylenes, Total	U		0.0149	0.0894	29.8	02/06/2024 22:11	WG2221351
Naphthalene	U		0.145	0.373	29.8	02/06/2024 22:11	WG2221351
Isopropylbenzene	U		0.0127	0.0745	29.8	02/06/2024 22:11	WG2221351
n-Propylbenzene	U	C3 J4	0.0283	0.149	29.8	02/06/2024 22:11	WG2221351
1,2,4-Trimethylbenzene	U		0.0471	0.149	29.8	02/06/2024 22:11	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0596	0.149	29.8	02/06/2024 22:11	WG2221351
Methyl tert-butyl ether	U	C3	0.0104	0.0298	29.8	02/06/2024 22:11	WG2221351
1,2-Dichloroethane	U		0.0134	0.0298	29.8	02/06/2024 22:11	WG2221351
1,2-Dibromoethane	U		0.00745	0.0298	29.8	02/06/2024 22:11	WG2221351
Tetrachloroethene	U		0.0267	0.0745	29.8	02/06/2024 22:11	WG2221351
Trichloroethene	U		0.00596	0.0298	29.8	02/06/2024 22:11	WG2221351
cis-1,2-Dichloroethene	U		0.0142	0.0298	29.8	02/06/2024 22:11	WG2221351
trans-1,2-Dichloroethene	U		0.0149	0.0298	29.8	02/06/2024 22:11	WG2221351
1,1-Dichloroethene	U		0.0106	0.0298	29.8	02/06/2024 22:11	WG2221351
1,1-Dichloroethane	U		0.00799	0.0298	29.8	02/06/2024 22:11	WG2221351
1,1,1-Trichloroethane	U		0.0110	0.0298	29.8	02/06/2024 22:11	WG2221351
Vinyl chloride	U		0.00673	0.0298	29.8	02/06/2024 22:11	WG2221351
1,4-Dioxane	U	Q	2.26	2.98	29.8	02/09/2024 02:15	WG2221979
(S) Toluene-d8	113			75.0-131		02/06/2024 22:11	WG2221351
(S) Toluene-d8	124			75.0-131		02/09/2024 02:15	WG2221979
(S) 4-Bromofluorobenzene	102			67.0-138		02/06/2024 22:11	WG2221351
(S) 4-Bromofluorobenzene	99.9			67.0-138		02/09/2024 02:15	WG2221979
(S) 1,2-Dichloroethane-d4	86.6			70.0-130		02/06/2024 22:11	WG2221351
(S) 1,2-Dichloroethane-d4	78.6			70.0-130		02/09/2024 02:15	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 02:29	WG2217631
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 02:29	WG2217631
(S) o-Terphenyl	30.0			18.0-148		02/02/2024 02:29	WG2217631

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 03:12	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 03:12	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 03:12	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 03:12	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 03:12	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 03:12	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 03:12	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 03:12	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 03:12	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 03:12	WG2217633
(S) p-Terphenyl-d14	109			23.0-120		02/02/2024 03:12	WG2217633
(S) Nitrobenzene-d5	99.8			14.0-149		02/02/2024 03:12	WG2217633
(S) 2-Fluorobiphenyl	108			34.0-125		02/02/2024 03:12	WG2217633

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 date / time	Batch
Total Solids	90.3		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0240	J	0.0180	0.0400	1	02/01/2024 18:53	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.14	J	0.544	2.00	1	02/01/2024 23:47	WG2218282
Arsenic	0.680	J	0.518	2.00	1	02/01/2024 23:47	WG2218282
Beryllium	U		0.0315	0.200	1	02/01/2024 23:47	WG2218282
Cadmium	0.0680	J	0.0471	0.500	1	02/01/2024 23:47	WG2218282
Chromium	4.36		0.133	1.00	1	02/01/2024 23:47	WG2218282
Copper	10.8		0.400	2.00	1	02/01/2024 23:47	WG2218282
Lead	12.2		0.208	0.500	1	02/01/2024 23:47	WG2218282
Nickel	5.19		0.132	2.00	1	02/01/2024 23:47	WG2218282
Selenium	1.92	J	0.764	2.00	1	02/01/2024 23:47	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:47	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:47	WG2218282
Zinc	23.0		0.832	5.00	1	02/01/2024 23:47	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:24	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:24	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:24	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:24	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:24	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:24	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:24	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:24	WG2217583
(S) Decachlorobiphenyl	87.9			10.0-135		02/01/2024 23:24	WG2217583
(S) Tetrachloro-m-xylene	99.4			10.0-139		02/01/2024 23:24	WG2217583

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 18:55	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.19	J	0.544	2.00	1	02/01/2024 23:49	WG2218282
Arsenic	1.38	J	0.518	2.00	1	02/01/2024 23:49	WG2218282
Beryllium	0.130	J	0.0315	0.200	1	02/01/2024 23:49	WG2218282
Cadmium	0.0929	J	0.0471	0.500	1	02/01/2024 23:49	WG2218282
Chromium	6.83		0.133	1.00	1	02/01/2024 23:49	WG2218282
Copper	13.6		0.400	2.00	1	02/01/2024 23:49	WG2218282
Lead	6.37		0.208	0.500	1	02/01/2024 23:49	WG2218282
Nickel	9.31		0.132	2.00	1	02/01/2024 23:49	WG2218282
Selenium	1.36	J	0.764	2.00	1	02/01/2024 23:49	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:49	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:49	WG2218282
Zinc	28.1		0.832	5.00	1	02/01/2024 23:49	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:33	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:33	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:33	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:33	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:33	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:33	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:33	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:33	WG2217583
(S) Decachlorobiphenyl	75.2			10.0-135		02/01/2024 23:33	WG2217583
(S) Tetrachloro-m-xylene	85.1			10.0-139		02/01/2024 23:33	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 18:58	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.05	J	0.544	2.00	1	02/01/2024 23:51	WG2218282
Arsenic	2.42		0.518	2.00	1	02/01/2024 23:51	WG2218282
Beryllium	0.0618	J	0.0315	0.200	1	02/01/2024 23:51	WG2218282
Cadmium	0.0842	J	0.0471	0.500	1	02/01/2024 23:51	WG2218282
Chromium	24.8		0.133	1.00	1	02/01/2024 23:51	WG2218282
Copper	25.4		0.400	2.00	1	02/01/2024 23:51	WG2218282
Lead	24.7		0.208	0.500	1	02/01/2024 23:51	WG2218282
Nickel	12.3		0.132	2.00	1	02/01/2024 23:51	WG2218282
Selenium	0.963	J	0.764	2.00	1	02/01/2024 23:51	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:51	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:51	WG2218282
Zinc	42.8		0.832	5.00	1	02/01/2024 23:51	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:42	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:42	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:42	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:42	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:42	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:42	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:42	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:42	WG2217583
(S) Decachlorobiphenyl	70.9			10.0-135		02/01/2024 23:42	WG2217583
(S) Tetrachloro-m-xylene	75.5			10.0-139		02/01/2024 23:42	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	02/01/2024 09:59	WG2217678

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.18	B J	0.875	2.58	25.8	02/06/2024 19:58	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	93.6			77.0-120		02/06/2024 19:58	WG2221007

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 22:33	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 22:33	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 22:33	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 22:33	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 22:33	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 22:33	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 22:33	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 22:33	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 22:33	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 22:33	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 22:33	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 22:33	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 22:33	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 22:33	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 22:33	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 22:33	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 22:33	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 22:33	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 22:33	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 22:33	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 02:36	WG2221979
(S) Toluene-d8	107			75.0-131		02/06/2024 22:33	WG2221351
(S) Toluene-d8	119			75.0-131		02/09/2024 02:36	WG2221979
(S) 4-Bromofluorobenzene	101			67.0-138		02/06/2024 22:33	WG2221351
(S) 4-Bromofluorobenzene	112			67.0-138		02/09/2024 02:36	WG2221979
(S) 1,2-Dichloroethane-d4	91.5			70.0-130		02/06/2024 22:33	WG2221351
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/09/2024 02:36	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 02:42	WG2217631
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 02:42	WG2217631
(S) o-Terphenyl	31.8			18.0-148		02/02/2024 02:42	WG2217631

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 03:30	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 03:30	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 03:30	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 03:30	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 03:30	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 03:30	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 03:30	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 03:30	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 03:30	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 03:30	WG2217633
(S) p-Terphenyl-d14	107			23.0-120		02/02/2024 03:30	WG2217633
(S) Nitrobenzene-d5	97.2			14.0-149		02/02/2024 03:30	WG2217633
(S) 2-Fluorobiphenyl	106			34.0-125		02/02/2024 03:30	WG2217633

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	02/01/2024 09:59	WG2217678

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0245	J	0.0180	0.0400	1	02/01/2024 19:00	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.68	J	0.544	2.00	1	02/01/2024 23:53	WG2218282
Arsenic	1.74	J	0.518	2.00	1	02/01/2024 23:53	WG2218282
Beryllium	0.0635	J	0.0315	0.200	1	02/01/2024 23:53	WG2218282
Cadmium	0.0964	J	0.0471	0.500	1	02/01/2024 23:53	WG2218282
Chromium	8.59		0.133	1.00	1	02/01/2024 23:53	WG2218282
Copper	26.3		0.400	2.00	1	02/01/2024 23:53	WG2218282
Lead	24.2		0.208	0.500	1	02/01/2024 23:53	WG2218282
Nickel	8.72		0.132	2.00	1	02/01/2024 23:53	WG2218282
Selenium	1.86	J	0.764	2.00	1	02/01/2024 23:53	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:53	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:53	WG2218282
Zinc	66.2		0.832	5.00	1	02/01/2024 23:53	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/01/2024 23:51	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/01/2024 23:51	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/01/2024 23:51	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/01/2024 23:51	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/01/2024 23:51	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/01/2024 23:51	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/01/2024 23:51	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/01/2024 23:51	WG2217583
(S) Decachlorobiphenyl	71.8			10.0-135		02/01/2024 23:51	WG2217583
(S) Tetrachloro-m-xylene	78.9			10.0-139		02/01/2024 23:51	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.0		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 19:02	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	U		0.544	2.00	1	02/01/2024 23:54	WG2218282
Arsenic	1.12	J	0.518	2.00	1	02/01/2024 23:54	WG2218282
Beryllium	U		0.0315	0.200	1	02/01/2024 23:54	WG2218282
Cadmium	0.111	J	0.0471	0.500	1	02/01/2024 23:54	WG2218282
Chromium	7.05		0.133	1.00	1	02/01/2024 23:54	WG2218282
Copper	14.2		0.400	2.00	1	02/01/2024 23:54	WG2218282
Lead	9.31		0.208	0.500	1	02/01/2024 23:54	WG2218282
Nickel	8.30		0.132	2.00	1	02/01/2024 23:54	WG2218282
Selenium	1.58	J	0.764	2.00	1	02/01/2024 23:54	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:54	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:54	WG2218282
Zinc	33.8		0.832	5.00	1	02/01/2024 23:54	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:00	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:00	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:00	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:00	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:00	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:00	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:00	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:00	WG2217583
(S) Decachlorobiphenyl	92.7			10.0-135		02/02/2024 00:00	WG2217583
(S) Tetrachloro-m-xylene	101			10.0-139		02/02/2024 00:00	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 19:05	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.79	J	0.544	2.00	1	02/02/2024 00:00	WG2218282
Arsenic	1.18	J	0.518	2.00	1	02/02/2024 00:00	WG2218282
Beryllium	U		0.0315	0.200	1	02/02/2024 00:00	WG2218282
Cadmium	0.0667	J	0.0471	0.500	1	02/02/2024 00:00	WG2218282
Chromium	10.7		0.133	1.00	1	02/02/2024 00:00	WG2218282
Copper	20.9		0.400	2.00	1	02/02/2024 00:00	WG2218282
Lead	14.6		0.208	0.500	1	02/02/2024 00:00	WG2218282
Nickel	11.1		0.132	2.00	1	02/02/2024 00:00	WG2218282
Selenium	2.80		0.764	2.00	1	02/02/2024 00:00	WG2218282
Silver	U		0.127	1.00	1	02/02/2024 00:00	WG2218282
Thallium	U		0.394	2.00	1	02/02/2024 00:00	WG2218282
Zinc	36.9		0.832	5.00	1	02/02/2024 00:00	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:08	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:08	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:08	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:08	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:08	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:08	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:08	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:08	WG2217583
(S) Decachlorobiphenyl	80.0			10.0-135		02/02/2024 00:08	WG2217583
(S) Tetrachloro-m-xylene	86.5			10.0-139		02/02/2024 00:08	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	02/01/2024 12:42	WG2217679

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.93	B J	0.848	2.50	25	02/06/2024 20:21	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	95.4			77.0-120		02/06/2024 20:21	WG2221007

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 22:54	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 22:54	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 22:54	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 22:54	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 22:54	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 22:54	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 22:54	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 22:54	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 22:54	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 22:54	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 22:54	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 22:54	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 22:54	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 22:54	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 22:54	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 22:54	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 22:54	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 22:54	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 22:54	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 22:54	WG2221351
1,4-Dioxane	U		1.90	2.50	25	02/09/2024 02:58	WG2221979
(S) Toluene-d8	113			75.0-131		02/06/2024 22:54	WG2221351
(S) Toluene-d8	114			75.0-131		02/09/2024 02:58	WG2221979
(S) 4-Bromofluorobenzene	100			67.0-138		02/06/2024 22:54	WG2221351
(S) 4-Bromofluorobenzene	112			67.0-138		02/09/2024 02:58	WG2221979
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/06/2024 22:54	WG2221351
(S) 1,2-Dichloroethane-d4	78.4			70.0-130		02/09/2024 02:58	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 02:55	WG2217631
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 02:55	WG2217631
(S) o-Terphenyl	47.2			18.0-148		02/02/2024 02:55	WG2217631

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 03:47	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 03:47	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 03:47	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 03:47	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 03:47	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 03:47	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 03:47	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 03:47	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 03:47	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 03:47	WG2217633
(S) p-Terphenyl-d14	96.3			23.0-120		02/02/2024 03:47	WG2217633
(S) Nitrobenzene-d5	89.5			14.0-149		02/02/2024 03:47	WG2217633
(S) 2-Fluorobiphenyl	97.1			34.0-125		02/02/2024 03:47	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0289	J	0.0180	0.0400	1	02/01/2024 19:07	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	U		0.544	2.00	1	02/02/2024 00:01	WG2218282
Arsenic	2.13		0.518	2.00	1	02/02/2024 00:01	WG2218282
Beryllium	0.0992	J	0.0315	0.200	1	02/02/2024 00:01	WG2218282
Cadmium	0.0815	J	0.0471	0.500	1	02/02/2024 00:01	WG2218282
Chromium	8.89		0.133	1.00	1	02/02/2024 00:01	WG2218282
Copper	18.1		0.400	2.00	1	02/02/2024 00:01	WG2218282
Lead	21.2		0.208	0.500	1	02/02/2024 00:01	WG2218282
Nickel	10.5		0.132	2.00	1	02/02/2024 00:01	WG2218282
Selenium	1.85	J	0.764	2.00	1	02/02/2024 00:01	WG2218282
Silver	U		0.127	1.00	1	02/02/2024 00:01	WG2218282
Thallium	U		0.394	2.00	1	02/02/2024 00:01	WG2218282
Zinc	42.5		0.832	5.00	1	02/02/2024 00:01	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:17	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:17	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:17	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:17	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:17	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:17	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:17	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:17	WG2217583
(S) Decachlorobiphenyl	84.8			10.0-135		02/02/2024 00:17	WG2217583
(S) Tetrachloro-m-xylene	94.9			10.0-139		02/02/2024 00:17	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 19:15	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	U		0.544	2.00	1	02/02/2024 00:03	WG2218282
Arsenic	3.01		0.518	2.00	1	02/02/2024 12:39	WG2218282
Beryllium	0.152	J	0.0315	0.200	1	02/02/2024 00:03	WG2218282
Cadmium	0.775		0.0471	0.500	1	02/02/2024 00:03	WG2218282
Chromium	14.2		0.133	1.00	1	02/02/2024 00:03	WG2218282
Copper	29.6		0.400	2.00	1	02/02/2024 00:03	WG2218282
Lead	11.1		0.208	0.500	1	02/02/2024 00:03	WG2218282
Nickel	20.2		0.132	2.00	1	02/02/2024 00:03	WG2218282
Selenium	4.41		0.764	2.00	1	02/02/2024 00:03	WG2218282
Silver	U		0.127	1.00	1	02/02/2024 00:03	WG2218282
Thallium	1.13	J	0.394	2.00	1	02/02/2024 00:03	WG2218282
Zinc	40.8		0.832	5.00	1	02/02/2024 00:03	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:26	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:26	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:26	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:26	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:26	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:26	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:26	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:26	WG2217583
(S) Decachlorobiphenyl	82.6			10.0-135		02/02/2024 00:26	WG2217583
(S) Tetrachloro-m-xylene	92.4			10.0-139		02/02/2024 00:26	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 19:17	WG2217751

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	U		0.544	2.00	1	02/02/2024 00:05	WG2218282
Arsenic	1.60	J	0.518	2.00	1	02/02/2024 00:05	WG2218282
Beryllium	U		0.0315	0.200	1	02/02/2024 00:05	WG2218282
Cadmium	0.0634	J	0.0471	0.500	1	02/02/2024 00:05	WG2218282
Chromium	7.20		0.133	1.00	1	02/02/2024 00:05	WG2218282
Copper	14.8		0.400	2.00	1	02/02/2024 00:05	WG2218282
Lead	7.91		0.208	0.500	1	02/02/2024 00:05	WG2218282
Nickel	12.0		0.132	2.00	1	02/02/2024 00:05	WG2218282
Selenium	1.50	J	0.764	2.00	1	02/02/2024 00:05	WG2218282
Silver	U		0.127	1.00	1	02/02/2024 00:05	WG2218282
Thallium	U		0.394	2.00	1	02/02/2024 00:05	WG2218282
Zinc	33.4		0.832	5.00	1	02/02/2024 00:05	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:35	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:35	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:35	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:35	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:35	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:35	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:35	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:35	WG2217583
(S) Decachlorobiphenyl	79.8			10.0-135		02/02/2024 00:35	WG2217583
(S) Tetrachloro-m-xylene	90.0			10.0-139		02/02/2024 00:35	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	02/01/2024 12:42	WG2217679

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.19	B J	1.28	3.78	37.8	02/06/2024 20:44	WG2221007
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		02/06/2024 20:44	WG2221007

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 23:15	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 23:15	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 23:15	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 23:15	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 23:15	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 23:15	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 23:15	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 23:15	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 23:15	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 23:15	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 23:15	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 23:15	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 23:15	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 23:15	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 23:15	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 23:15	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 23:15	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 23:15	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 23:15	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 23:15	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 03:19	WG2221979
(S) Toluene-d8	111			75.0-131		02/06/2024 23:15	WG2221351
(S) Toluene-d8	123			75.0-131		02/09/2024 03:19	WG2221979
(S) 4-Bromofluorobenzene	103			67.0-138		02/06/2024 23:15	WG2221351
(S) 4-Bromofluorobenzene	94.6			67.0-138		02/09/2024 03:19	WG2221979
(S) 1,2-Dichloroethane-d4	86.3			70.0-130		02/06/2024 23:15	WG2221351
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		02/09/2024 03:19	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 00:27	WG2217632
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 00:27	WG2217632
(S) o-Terphenyl	70.1			18.0-148		02/02/2024 00:27	WG2217632

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 04:05	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 04:05	WG2217633
Benzo(a)anthracene	0.00265	J	0.00173	0.00600	1	02/02/2024 04:05	WG2217633
Benzo(a)pyrene	0.00242	J	0.00179	0.00600	1	02/02/2024 04:05	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.00319	U	0.00153	0.00600	1	02/02/2024 04:05	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 04:05	WG2217633
Chrysene	0.00367	U	0.00232	0.00600	1	02/02/2024 04:05	WG2217633
Fluoranthene	0.00407	U	0.00227	0.00600	1	02/02/2024 04:05	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 04:05	WG2217633
Pyrene	0.00435	U	0.00200	0.00600	1	02/02/2024 04:05	WG2217633
(S) p-Terphenyl-d14	90.4			23.0-120		02/02/2024 04:05	WG2217633
(S) Nitrobenzene-d5	87.5			14.0-149		02/02/2024 04:05	WG2217633
(S) 2-Fluorobiphenyl	90.7			34.0-125		02/02/2024 04:05	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 21:05	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.46	J	0.544	2.00	1	02/02/2024 17:54	WG2217811
Arsenic	1.83	J	0.518	2.00	1	02/02/2024 17:54	WG2217811
Beryllium	U		0.0315	0.200	1	02/02/2024 17:54	WG2217811
Cadmium	0.101	J	0.0471	0.500	1	02/02/2024 17:54	WG2217811
Chromium	7.11		0.133	1.00	1	02/02/2024 17:54	WG2217811
Copper	20.0		0.400	2.00	1	02/02/2024 17:54	WG2217811
Lead	12.2		0.208	0.500	1	02/02/2024 17:54	WG2217811
Nickel	8.67		0.132	2.00	1	02/02/2024 17:54	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:54	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:54	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:54	WG2217811
Zinc	38.8		0.832	5.00	1	02/02/2024 17:54	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:44	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:44	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:44	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:44	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:44	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:44	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:44	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:44	WG2217583
(S) Decachlorobiphenyl	82.5			10.0-135		02/02/2024 00:44	WG2217583
(S) Tetrachloro-m-xylene	89.9			10.0-139		02/02/2024 00:44	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.2		1	02/01/2024 12:42	WG2217679

Mercury by Method 7471B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0180	0.0400	1	02/01/2024 21:12	WG2217753

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.91	J	0.544	2.00	1	02/02/2024 17:55	WG2217811
Arsenic	2.74		0.518	2.00	1	02/02/2024 17:55	WG2217811
Beryllium	U		0.0315	0.200	1	02/02/2024 17:55	WG2217811
Cadmium	0.197	J	0.0471	0.500	1	02/02/2024 17:55	WG2217811
Chromium	12.8		0.133	1.00	1	02/02/2024 17:55	WG2217811
Copper	20.5		0.400	2.00	1	02/02/2024 17:55	WG2217811
Lead	12.7		0.208	0.500	1	02/02/2024 17:55	WG2217811
Nickel	13.7		0.132	2.00	1	02/02/2024 17:55	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 17:55	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:55	WG2217811
Thallium	U		0.394	2.00	1	02/03/2024 10:54	WG2217811
Zinc	51.9		0.832	5.00	1	02/02/2024 17:55	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0118	0.0340	1	02/02/2024 00:52	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 00:52	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 00:52	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 00:52	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 00:52	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 00:52	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 00:52	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 00:52	WG2217583
(S) Decachlorobiphenyl	87.4			10.0-135		02/02/2024 00:52	WG2217583
(S) Tetrachloro-m-xylene	94.3			10.0-139		02/02/2024 00:52	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	02/01/2024 12:42	WG2217679

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.868	B J Q	0.848	2.50	25	02/08/2024 10:54	WG2221972
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		02/08/2024 10:54	WG2221972

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 23:36	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 23:36	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 23:36	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 23:36	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 23:36	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 23:36	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 23:36	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 23:36	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 23:36	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 23:36	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 23:36	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 23:36	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 23:36	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 23:36	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 23:36	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 23:36	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 23:36	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 23:36	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 23:36	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 23:36	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 03:40	WG2221979
(S) Toluene-d8	117			75.0-131		02/06/2024 23:36	WG2221351
(S) Toluene-d8	113			75.0-131		02/09/2024 03:40	WG2221979
(S) 4-Bromofluorobenzene	98.1			67.0-138		02/06/2024 23:36	WG2221351
(S) 4-Bromofluorobenzene	105			67.0-138		02/09/2024 03:40	WG2221979
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		02/06/2024 23:36	WG2221351
(S) 1,2-Dichloroethane-d4	93.2			70.0-130		02/09/2024 03:40	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 00:41	WG2217632
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 00:41	WG2217632
(S) o-Terphenyl	15.1	J2		18.0-148		02/02/2024 00:41	WG2217632

Sample Narrative:

L1700815-26 WG2217632: Duplicate Analysis performed due to surrogate failure. Results confirm.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 04:23	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 04:23	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 04:23	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 04:23	WG2217633
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 04:23	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 04:23	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 04:23	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 04:23	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 04:23	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 04:23	WG2217633
(S) p-Terphenyl-d14	65.3			23.0-120		02/02/2024 04:23	WG2217633
(S) Nitrobenzene-d5	73.8			14.0-149		02/02/2024 04:23	WG2217633
(S) 2-Fluorobiphenyl	57.1			34.0-125		02/02/2024 04:23	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.1		1	02/01/2024 12:18	WG2217680

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0558		0.0180	0.0400	1	02/01/2024 21:15	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.81	J	0.544	2.00	1	02/02/2024 17:57	WG2217811
Arsenic	3.25		0.518	2.00	1	02/02/2024 17:57	WG2217811
Beryllium	0.0723	J	0.0315	0.200	1	02/02/2024 17:57	WG2217811
Cadmium	0.127	J	0.0471	0.500	1	02/02/2024 17:57	WG2217811
Chromium	15.2		0.133	1.00	1	02/02/2024 17:57	WG2217811
Copper	17.8		0.400	2.00	1	02/02/2024 17:57	WG2217811
Lead	20.8		0.208	0.500	1	02/02/2024 17:57	WG2217811
Nickel	12.8		0.132	2.00	1	02/02/2024 17:57	WG2217811
Selenium	1.09	J	0.764	2.00	1	02/02/2024 17:57	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 17:57	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 17:57	WG2217811
Zinc	58.8		0.832	5.00	1	02/02/2024 17:57	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 01:01	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:01	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:01	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:01	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:01	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:01	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 01:01	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:01	WG2217583
(S) Decachlorobiphenyl	78.1			10.0-135		02/02/2024 01:01	WG2217583
(S) Tetrachloro-m-xylene	87.1			10.0-139		02/02/2024 01:01	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	02/01/2024 12:18	WG2217680

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0256	J	0.0180	0.0400	1	02/01/2024 21:17	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.81	J	0.544	2.00	1	02/02/2024 18:02	WG2217811
Arsenic	4.48		0.518	2.00	1	02/02/2024 18:02	WG2217811
Beryllium	0.196	J	0.0315	0.200	1	02/02/2024 18:02	WG2217811
Cadmium	0.127	J	0.0471	0.500	1	02/02/2024 18:02	WG2217811
Chromium	14.9		0.133	1.00	1	02/02/2024 18:02	WG2217811
Copper	24.1		0.400	2.00	1	02/02/2024 18:02	WG2217811
Lead	25.3		0.208	0.500	1	02/02/2024 18:02	WG2217811
Nickel	12.6		0.132	2.00	1	02/02/2024 18:02	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 18:02	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 18:02	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 18:02	WG2217811
Zinc	53.1		0.832	5.00	1	02/02/2024 18:02	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 01:10	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:10	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:10	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:10	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:10	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:10	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 01:10	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:10	WG2217583
(S) Decachlorobiphenyl	81.9			10.0-135		02/02/2024 01:10	WG2217583
(S) Tetrachloro-m-xylene	91.1			10.0-139		02/02/2024 01:10	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.1		1	02/01/2024 12:18	WG2217680

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0258	J	0.0180	0.0400	1	02/01/2024 20:33	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	0.611	J J6	0.544	2.00	1	02/01/2024 23:22	WG2218282
Arsenic	4.08		0.518	2.00	1	02/01/2024 23:22	WG2218282
Beryllium	0.170	J	0.0315	0.200	1	02/01/2024 23:22	WG2218282
Cadmium	0.0647	J	0.0471	0.500	1	02/01/2024 23:22	WG2218282
Chromium	11.7		0.133	1.00	1	02/01/2024 23:22	WG2218282
Copper	19.3		0.400	2.00	1	02/01/2024 23:22	WG2218282
Lead	15.7		0.208	0.500	1	02/01/2024 23:22	WG2218282
Nickel	10.3		0.132	2.00	1	02/01/2024 23:22	WG2218282
Selenium	2.44		0.764	2.00	1	02/01/2024 23:22	WG2218282
Silver	U		0.127	1.00	1	02/01/2024 23:22	WG2218282
Thallium	U		0.394	2.00	1	02/01/2024 23:22	WG2218282
Zinc	42.8		0.832	5.00	1	02/01/2024 23:22	WG2218282

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U	J5	0.0118	0.0340	1	02/02/2024 01:52	WG2217623
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:52	WG2217623
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:52	WG2217623
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:52	WG2217623
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:52	WG2217623
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:52	WG2217623
PCB 1260	U	J5	0.00738	0.0170	1	02/02/2024 01:52	WG2217623
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:52	WG2217623
(S) Decachlorobiphenyl	85.8			10.0-135		02/02/2024 01:52	WG2217623
(S) Tetrachloro-m-xylene	92.0			10.0-139		02/02/2024 01:52	WG2217623

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.2		1	02/01/2024 12:18	WG2217680

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.860	B J Q	0.848	2.50	25	02/08/2024 11:17	WG2221972
(S) a,a,a-Trifluorotoluene(FID)	94.3			77.0-120		02/08/2024 11:17	WG2221972

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 23:58	WG2221351
Toluene	U		0.0308	0.125	25	02/06/2024 23:58	WG2221351
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 23:58	WG2221351
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 23:58	WG2221351
Naphthalene	U		0.122	0.313	25	02/06/2024 23:58	WG2221351
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 23:58	WG2221351
n-Propylbenzene	U	C3 J4	0.0238	0.125	25	02/06/2024 23:58	WG2221351
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 23:58	WG2221351
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 23:58	WG2221351
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 23:58	WG2221351
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 23:58	WG2221351
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 23:58	WG2221351
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 23:58	WG2221351
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 23:58	WG2221351
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 23:58	WG2221351
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 23:58	WG2221351
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 23:58	WG2221351
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 23:58	WG2221351
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 23:58	WG2221351
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 23:58	WG2221351
1,4-Dioxane	U	Q	1.90	2.50	25	02/09/2024 04:02	WG2221979
(S) Toluene-d8	112			75.0-131		02/06/2024 23:58	WG2221351
(S) Toluene-d8	113			75.0-131		02/09/2024 04:02	WG2221979
(S) 4-Bromofluorobenzene	104			67.0-138		02/06/2024 23:58	WG2221351
(S) 4-Bromofluorobenzene	98.9			67.0-138		02/09/2024 04:02	WG2221979
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/06/2024 23:58	WG2221351
(S) 1,2-Dichloroethane-d4	82.6			70.0-130		02/09/2024 04:02	WG2221979

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/02/2024 00:53	WG2217632
Residual Range Organics (RRO)	U		3.33	10.0	1	02/02/2024 00:53	WG2217632
(S) o-Terphenyl	28.9			18.0-148		02/02/2024 00:53	WG2217632

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/02/2024 04:40	WG2217633
Anthracene	U		0.00230	0.00600	1	02/02/2024 04:40	WG2217633
Benzo(a)anthracene	U		0.00173	0.00600	1	02/02/2024 04:40	WG2217633
Benzo(a)pyrene	U		0.00179	0.00600	1	02/02/2024 04:40	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/02/2024 04:40	WG2217633
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/02/2024 04:40	WG2217633
Chrysene	U		0.00232	0.00600	1	02/02/2024 04:40	WG2217633
Fluoranthene	U		0.00227	0.00600	1	02/02/2024 04:40	WG2217633
Fluorene	U		0.00205	0.00600	1	02/02/2024 04:40	WG2217633
Pyrene	U		0.00200	0.00600	1	02/02/2024 04:40	WG2217633
(S) p-Terphenyl-d14	51.6			23.0-120		02/02/2024 04:40	WG2217633
(S) Nitrobenzene-d5	78.1			14.0-149		02/02/2024 04:40	WG2217633
(S) 2-Fluorobiphenyl	47.1			34.0-125		02/02/2024 04:40	WG2217633

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.6		1	02/01/2024 12:18	WG2217680

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 21:20	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.09		0.544	2.00	1	02/02/2024 18:04	WG2217811
Arsenic	3.50		0.518	2.00	1	02/02/2024 18:04	WG2217811
Beryllium	0.161	J	0.0315	0.200	1	02/02/2024 18:04	WG2217811
Cadmium	0.149	J	0.0471	0.500	1	02/02/2024 18:04	WG2217811
Chromium	17.4		0.133	1.00	1	02/02/2024 18:04	WG2217811
Copper	18.7		0.400	2.00	1	02/02/2024 18:04	WG2217811
Lead	20.0		0.208	0.500	1	02/02/2024 18:04	WG2217811
Nickel	15.7		0.132	2.00	1	02/02/2024 18:04	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 18:04	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 18:04	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 18:04	WG2217811
Zinc	54.7		0.832	5.00	1	02/02/2024 18:04	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 01:19	WG2217583
PCB 1221	U		0.0118	0.0340	1	02/02/2024 01:19	WG2217583
PCB 1232	U		0.0118	0.0340	1	02/02/2024 01:19	WG2217583
PCB 1242	U		0.0118	0.0340	1	02/02/2024 01:19	WG2217583
PCB 1248	U		0.00738	0.0170	1	02/02/2024 01:19	WG2217583
PCB 1254	U		0.00738	0.0170	1	02/02/2024 01:19	WG2217583
PCB 1260	U		0.00738	0.0170	1	02/02/2024 01:19	WG2217583
Total PCBs	U		0.00738	0.0170	1	02/02/2024 01:19	WG2217583
(S) Decachlorobiphenyl	56.3			10.0-135		02/02/2024 01:19	WG2217583
(S) Tetrachloro-m-xylene	75.2			10.0-139		02/02/2024 01:19	WG2217583

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.3		1	02/01/2024 12:18	WG2217680

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/01/2024 21:22	WG2217753

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.06		0.544	2.00	1	02/02/2024 18:05	WG2217811
Arsenic	5.32		0.518	2.00	1	02/02/2024 18:05	WG2217811
Beryllium	U		0.0315	0.200	1	02/02/2024 18:05	WG2217811
Cadmium	0.129	J	0.0471	0.500	1	02/02/2024 18:05	WG2217811
Chromium	13.7		0.133	1.00	1	02/02/2024 18:05	WG2217811
Copper	24.0		0.400	2.00	1	02/02/2024 18:05	WG2217811
Lead	22.2		0.208	0.500	1	02/02/2024 18:05	WG2217811
Nickel	13.4		0.132	2.00	1	02/02/2024 18:05	WG2217811
Selenium	U		0.764	2.00	1	02/02/2024 18:05	WG2217811
Silver	U		0.127	1.00	1	02/02/2024 18:05	WG2217811
Thallium	U		0.394	2.00	1	02/02/2024 18:05	WG2217811
Zinc	58.0		0.832	5.00	1	02/02/2024 18:05	WG2217811

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/02/2024 02:20	WG2217623
PCB 1221	U		0.0118	0.0340	1	02/02/2024 02:20	WG2217623
PCB 1232	U		0.0118	0.0340	1	02/02/2024 02:20	WG2217623
PCB 1242	U		0.0118	0.0340	1	02/02/2024 02:20	WG2217623
PCB 1248	U		0.00738	0.0170	1	02/02/2024 02:20	WG2217623
PCB 1254	U		0.00738	0.0170	1	02/02/2024 02:20	WG2217623
PCB 1260	U		0.00738	0.0170	1	02/02/2024 02:20	WG2217623
Total PCBs	U		0.00738	0.0170	1	02/02/2024 02:20	WG2217623
(S) Decachlorobiphenyl	89.2			10.0-135		02/02/2024 02:20	WG2217623
(S) Tetrachloro-m-xylene	88.8			10.0-139		02/02/2024 02:20	WG2217623

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/01/2024 18:01	WG2218041
Toluene	U		0.000278	0.00100	1	02/01/2024 18:01	WG2218041
Ethylbenzene	U		0.000137	0.00100	1	02/01/2024 18:01	WG2218041
Xylenes, Total	U		0.000174	0.00300	1	02/01/2024 18:01	WG2218041
Naphthalene	U		0.00100	0.00500	1	02/01/2024 18:01	WG2218041
Isopropylbenzene	U		0.000105	0.00100	1	02/01/2024 18:01	WG2218041
n-Propylbenzene	U		0.0000993	0.00100	1	02/01/2024 18:01	WG2218041
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/01/2024 18:01	WG2218041
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/01/2024 18:01	WG2218041
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/01/2024 18:01	WG2218041
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/01/2024 18:01	WG2218041
1,2-Dibromoethane	U		0.000126	0.00100	1	02/01/2024 18:01	WG2218041
Tetrachloroethene	U		0.000300	0.00100	1	02/01/2024 18:01	WG2218041
Trichloroethene	U		0.000190	0.00100	1	02/01/2024 18:01	WG2218041
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/01/2024 18:01	WG2218041
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/01/2024 18:01	WG2218041
1,1-Dichloroethene	U		0.000188	0.00100	1	02/01/2024 18:01	WG2218041
1,1-Dichloroethane	U		0.000100	0.00100	1	02/01/2024 18:01	WG2218041
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/01/2024 18:01	WG2218041
Vinyl chloride	U		0.000234	0.00100	1	02/01/2024 18:01	WG2218041
1,4-Dioxane	U		0.0360	0.100	1	02/01/2024 18:01	WG2218041
(S) Toluene-d8	111			80.0-120		02/01/2024 18:01	WG2218041
(S) 4-Bromofluorobenzene	102			77.0-126		02/01/2024 18:01	WG2218041
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		02/01/2024 18:01	WG2218041

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	02/02/2024 09:47	WG2218501

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.74	B	0.848	2.50	25	02/03/2024 20:19	WG2218642
(S) a,a,a-Trifluorotoluene(FID)	92.3			77.0-120		02/03/2024 20:19	WG2218642

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

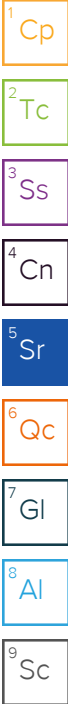
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00986	0.0263	26.3	02/02/2024 17:13	WG2218764
Toluene	U		0.0323	0.131	26.3	02/02/2024 17:13	WG2218764
Ethylbenzene	U		0.00789	0.0263	26.3	02/02/2024 17:13	WG2218764
Xylenes, Total	U		0.0131	0.0789	26.3	02/02/2024 17:13	WG2218764
Naphthalene	U	C3	0.128	0.329	26.3	02/02/2024 17:13	WG2218764
Isopropylbenzene	U		0.0112	0.0657	26.3	02/02/2024 17:13	WG2218764
n-Propylbenzene	U		0.0250	0.131	26.3	02/02/2024 17:13	WG2218764
1,2,4-Trimethylbenzene	U		0.0416	0.131	26.3	02/02/2024 17:13	WG2218764
1,3,5-Trimethylbenzene	U		0.0526	0.131	26.3	02/02/2024 17:13	WG2218764
Methyl tert-butyl ether	U		0.00920	0.0263	26.3	02/02/2024 17:13	WG2218764
1,2-Dichloroethane	U		0.0118	0.0263	26.3	02/02/2024 17:13	WG2218764
1,2-Dibromoethane	U		0.00657	0.0263	26.3	02/02/2024 17:13	WG2218764
Tetrachloroethene	U		0.0236	0.0657	26.3	02/02/2024 17:13	WG2218764
Trichloroethene	U		0.00526	0.0263	26.3	02/02/2024 17:13	WG2218764
cis-1,2-Dichloroethene	U		0.0125	0.0263	26.3	02/02/2024 17:13	WG2218764
trans-1,2-Dichloroethene	U		0.0131	0.0263	26.3	02/02/2024 17:13	WG2218764
1,1-Dichloroethene	U		0.00934	0.0263	26.3	02/02/2024 17:13	WG2218764
1,1-Dichloroethane	U		0.00705	0.0263	26.3	02/02/2024 17:13	WG2218764
1,1,1-Trichloroethane	U		0.00973	0.0263	26.3	02/02/2024 17:13	WG2218764
Vinyl chloride	U		0.00594	0.0263	26.3	02/02/2024 17:13	WG2218764
1,4-Dioxane	U	C3	2.00	2.63	26.3	02/02/2024 17:13	WG2218764
(S) Toluene-d8	112			75.0-131		02/02/2024 17:13	WG2218764
(S) 4-Bromofluorobenzene	90.1			67.0-138		02/02/2024 17:13	WG2218764
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/02/2024 17:13	WG2218764

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 14:27	WG2219220
Residual Range Organics (RRO)	U		3.33	10.0	1	02/03/2024 14:27	WG2219220
(S) o-Terphenyl	35.4			18.0-148		02/03/2024 14:27	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 05:25	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 05:25	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 05:25	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 05:25	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 05:25	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 05:25	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 05:25	WG2218524



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 05:25	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 05:25	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 05:25	WG2218524
(S) p-Terphenyl-d14	68.3			23.0-120		02/03/2024 05:25	WG2218524
(S) Nitrobenzene-d5	45.4			14.0-149		02/03/2024 05:25	WG2218524
(S) 2-Fluorobiphenyl	53.3			34.0-125		02/03/2024 05:25	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	02/02/2024 09:47	WG2218501

¹Cp

²Tc

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0253	J	0.0180	0.0400	1	02/04/2024 15:28	WG2219098

³Ss

⁴Cn

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.19		0.544	2.00	1	02/03/2024 20:07	WG2218674
Arsenic	3.66		0.518	2.00	1	02/03/2024 20:07	WG2218674
Beryllium	U		0.0315	0.200	1	02/03/2024 20:07	WG2218674
Cadmium	0.246	J	0.0471	0.500	1	02/03/2024 20:07	WG2218674
Chromium	17.2		0.133	1.00	1	02/03/2024 20:07	WG2218674
Copper	23.5		0.400	2.00	1	02/03/2024 20:07	WG2218674
Lead	19.7		0.208	0.500	1	02/03/2024 20:07	WG2218674
Nickel	19.8		0.132	2.00	1	02/03/2024 20:07	WG2218674
Selenium	U		0.764	2.00	1	02/03/2024 20:07	WG2218674
Silver	U		0.127	1.00	1	02/03/2024 20:07	WG2218674
Thallium	U		0.394	2.00	1	02/03/2024 20:07	WG2218674
Zinc	49.8		0.832	5.00	1	02/03/2024 20:07	WG2218674

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 00:29	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 00:29	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 00:29	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 00:29	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 00:29	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 00:29	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 00:29	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 00:29	WG2219631
(S) Decachlorobiphenyl	60.4			10.0-135		02/06/2024 00:29	WG2219631
(S) Tetrachloro-m-xylene	69.8			10.0-139		02/06/2024 00:29	WG2219631

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0220	J	0.0180	0.0400	1	02/04/2024 15:30	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.89	J	0.544	2.00	1	02/03/2024 20:09	WG2218674
Arsenic	2.50		0.518	2.00	1	02/03/2024 20:09	WG2218674
Beryllium	U		0.0315	0.200	1	02/03/2024 20:09	WG2218674
Cadmium	0.155	J	0.0471	0.500	1	02/03/2024 20:09	WG2218674
Chromium	12.5		0.133	1.00	1	02/03/2024 20:09	WG2218674
Copper	15.1		0.400	2.00	1	02/03/2024 20:09	WG2218674
Lead	14.4		0.208	0.500	1	02/03/2024 20:09	WG2218674
Nickel	13.9		0.132	2.00	1	02/03/2024 20:09	WG2218674
Selenium	U		0.764	2.00	1	02/03/2024 20:09	WG2218674
Silver	U		0.127	1.00	1	02/03/2024 20:09	WG2218674
Thallium	U		0.394	2.00	1	02/03/2024 20:09	WG2218674
Zinc	39.6		0.832	5.00	1	02/03/2024 20:09	WG2218674

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0236	0.0680	2	02/10/2024 14:24	WG2223066
PCB 1221	U		0.0236	0.0680	2	02/10/2024 14:24	WG2223066
PCB 1232	U		0.0236	0.0680	2	02/10/2024 14:24	WG2223066
PCB 1242	U		0.0236	0.0680	2	02/10/2024 14:24	WG2223066
PCB 1248	U		0.0148	0.0340	2	02/10/2024 14:24	WG2223066
PCB 1254	U		0.0148	0.0340	2	02/10/2024 14:24	WG2223066
PCB 1260	U		0.0148	0.0340	2	02/10/2024 14:24	WG2223066
Total PCBs	U		0.0148	0.0340	2	02/10/2024 14:24	WG2223066
(S) Decachlorobiphenyl	66.8			10.0-135		02/10/2024 14:24	WG2223066
(S) Tetrachloro-m-xylene	78.0			10.0-139		02/10/2024 14:24	WG2223066

Sample Narrative:

L1700815-38 WG2223066: Dilution due to sulfur cleanup.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.6		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/04/2024 15:33	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	3.50		0.544	2.00	1	02/03/2024 20:11	WG2218674
Arsenic	2.51		0.518	2.00	1	02/03/2024 20:11	WG2218674
Beryllium	U		0.0315	0.200	1	02/03/2024 20:11	WG2218674
Cadmium	0.264	J	0.0471	0.500	1	02/03/2024 20:11	WG2218674
Chromium	11.7		0.133	1.00	1	02/03/2024 20:11	WG2218674
Copper	15.8		0.400	2.00	1	02/03/2024 20:11	WG2218674
Lead	23.0		0.208	0.500	1	02/03/2024 20:11	WG2218674
Nickel	15.4		0.132	2.00	1	02/03/2024 20:11	WG2218674
Selenium	U		0.764	2.00	1	02/03/2024 20:11	WG2218674
Silver	U		0.127	1.00	1	02/03/2024 20:11	WG2218674
Thallium	U		1.97	10.0	5	02/04/2024 10:14	WG2218674
Zinc	59.9		0.832	5.00	1	02/03/2024 20:11	WG2218674

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0236	0.0680	2	02/10/2024 14:34	WG2223066
PCB 1221	U		0.0236	0.0680	2	02/10/2024 14:34	WG2223066
PCB 1232	U		0.0236	0.0680	2	02/10/2024 14:34	WG2223066
PCB 1242	U		0.0236	0.0680	2	02/10/2024 14:34	WG2223066
PCB 1248	U		0.0148	0.0340	2	02/10/2024 14:34	WG2223066
PCB 1254	U		0.0148	0.0340	2	02/10/2024 14:34	WG2223066
PCB 1260	U		0.0148	0.0340	2	02/10/2024 14:34	WG2223066
Total PCBs	U		0.0148	0.0340	2	02/10/2024 14:34	WG2223066
(S) Decachlorobiphenyl	66.9			10.0-135		02/10/2024 14:34	WG2223066
(S) Tetrachloro-m-xylene	76.3			10.0-139		02/10/2024 14:34	WG2223066

Sample Narrative:

L1700815-39 WG2223066: Dilution due to sulfur cleanup.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.4		1	02/02/2024 09:32	WG2218502

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.97	B	0.848	2.50	25	02/03/2024 20:46	WG2218642
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		02/03/2024 20:46	WG2218642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/06/2024 02:24	WG2220176
Toluene	U		0.0308	0.125	25	02/06/2024 02:24	WG2220176
Ethylbenzene	U		0.00750	0.0250	25	02/06/2024 02:24	WG2220176
Xylenes, Total	U		0.0125	0.0750	25	02/06/2024 02:24	WG2220176
Naphthalene	U		0.122	0.313	25	02/06/2024 02:24	WG2220176
Isopropylbenzene	U		0.0106	0.0625	25	02/06/2024 02:24	WG2220176
n-Propylbenzene	U	C3	0.0238	0.125	25	02/06/2024 02:24	WG2220176
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/06/2024 02:24	WG2220176
1,3,5-Trimethylbenzene	U	C3	0.0500	0.125	25	02/06/2024 02:24	WG2220176
Methyl tert-butyl ether	U	C3	0.00875	0.0250	25	02/06/2024 02:24	WG2220176
1,2-Dichloroethane	U		0.0113	0.0250	25	02/06/2024 02:24	WG2220176
1,2-Dibromoethane	U		0.00625	0.0250	25	02/06/2024 02:24	WG2220176
Tetrachloroethene	U		0.0224	0.0625	25	02/06/2024 02:24	WG2220176
Trichloroethene	U		0.00500	0.0250	25	02/06/2024 02:24	WG2220176
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/06/2024 02:24	WG2220176
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/06/2024 02:24	WG2220176
1,1-Dichloroethene	U		0.00888	0.0250	25	02/06/2024 02:24	WG2220176
1,1-Dichloroethane	U		0.00670	0.0250	25	02/06/2024 02:24	WG2220176
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/06/2024 02:24	WG2220176
Vinyl chloride	U		0.00565	0.0250	25	02/06/2024 02:24	WG2220176
1,4-Dioxane	U		1.90	2.50	25	02/06/2024 02:24	WG2220176
(S) Toluene-d8	109			75.0-131		02/06/2024 02:24	WG2220176
(S) 4-Bromofluorobenzene	101			67.0-138		02/06/2024 02:24	WG2220176
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		02/06/2024 02:24	WG2220176

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 18:22	WG2219220
Residual Range Organics (RRO)	5.71	J	3.33	10.0	1	02/03/2024 18:22	WG2219220
(S) o-Terphenyl	42.6			18.0-148		02/03/2024 18:22	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 02:50	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 02:50	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 02:50	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 02:50	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 02:50	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 02:50	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 02:50	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 02:50	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 02:50	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 02:50	WG2218524
(S) p-Terphenyl-d14	91.1			23.0-120		02/03/2024 02:50	WG2218524
(S) Nitrobenzene-d5	60.6			14.0-149		02/03/2024 02:50	WG2218524
(S) 2-Fluorobiphenyl	78.5			34.0-125		02/03/2024 02:50	WG2218524

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/04/2024 15:35	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.37	J	0.544	2.00	1	02/05/2024 13:41	WG2218668
Arsenic	1.99	J	0.518	2.00	1	02/05/2024 13:41	WG2218668
Beryllium	0.246		0.0315	0.200	1	02/05/2024 13:41	WG2218668
Cadmium	0.0976	J	0.0471	0.500	1	02/05/2024 13:41	WG2218668
Chromium	6.14		0.133	1.00	1	02/05/2024 13:41	WG2218668
Copper	16.7		0.400	2.00	1	02/05/2024 13:41	WG2218668
Lead	11.2		0.208	0.500	1	02/05/2024 13:41	WG2218668
Nickel	8.95		0.132	2.00	1	02/05/2024 13:41	WG2218668
Selenium	U		0.764	2.00	1	02/05/2024 13:41	WG2218668
Silver	U		0.127	1.00	1	02/05/2024 13:41	WG2218668
Thallium	U		0.394	2.00	1	02/05/2024 13:41	WG2218668
Zinc	29.5		0.832	5.00	1	02/05/2024 13:41	WG2218668

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 00:55	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 00:55	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 00:55	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 00:55	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 00:55	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 00:55	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 00:55	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 00:55	WG2219631
(S) Decachlorobiphenyl	53.8			10.0-135		02/06/2024 00:55	WG2219631
(S) Tetrachloro-m-xylene	65.7			10.0-139		02/06/2024 00:55	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.5		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0181	J	0.0180	0.0400	1	02/04/2024 15:38	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.83	J	0.544	2.00	1	02/05/2024 13:44	WG2218668
Arsenic	3.81		0.518	2.00	1	02/05/2024 13:44	WG2218668
Beryllium	0.451		0.0315	0.200	1	02/05/2024 13:44	WG2218668
Cadmium	0.128	J	0.0471	0.500	1	02/05/2024 13:44	WG2218668
Chromium	12.5		0.133	1.00	1	02/05/2024 13:44	WG2218668
Copper	17.7		0.400	2.00	1	02/05/2024 13:44	WG2218668
Lead	8.90		0.208	0.500	1	02/05/2024 13:44	WG2218668
Nickel	11.1		0.132	2.00	1	02/05/2024 13:44	WG2218668
Selenium	1.05	J	0.764	2.00	1	02/05/2024 13:44	WG2218668
Silver	U		0.127	1.00	1	02/05/2024 13:44	WG2218668
Thallium	U		0.394	2.00	1	02/05/2024 13:44	WG2218668
Zinc	35.0		0.832	5.00	1	02/05/2024 13:44	WG2218668

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:04	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:04	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:04	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:04	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:04	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:04	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:04	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:04	WG2219631
(S) Decachlorobiphenyl	55.8			10.0-135		02/06/2024 01:04	WG2219631
(S) Tetrachloro-m-xylene	70.1			10.0-139		02/06/2024 01:04	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/04/2024 15:40	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.84	J	0.544	2.00	1	02/05/2024 13:47	WG2218668
Arsenic	2.26		0.518	2.00	1	02/05/2024 13:47	WG2218668
Beryllium	0.361		0.0315	0.200	1	02/05/2024 13:47	WG2218668
Cadmium	0.0983	J	0.0471	0.500	1	02/05/2024 13:47	WG2218668
Chromium	11.4		0.133	1.00	1	02/05/2024 13:47	WG2218668
Copper	14.7		0.400	2.00	1	02/05/2024 13:47	WG2218668
Lead	6.59		0.208	0.500	1	02/05/2024 13:47	WG2218668
Nickel	11.8		0.132	2.00	1	02/05/2024 13:47	WG2218668
Selenium	1.20	J	0.764	2.00	1	02/05/2024 13:47	WG2218668
Silver	U		0.127	1.00	1	02/05/2024 13:47	WG2218668
Thallium	U		0.394	2.00	1	02/05/2024 13:47	WG2218668
Zinc	34.7		0.832	5.00	1	02/05/2024 13:47	WG2218668

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:13	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:13	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:13	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:13	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:13	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:13	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:13	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:13	WG2219631
(S) Decachlorobiphenyl	57.0			10.0-135		02/06/2024 01:13	WG2219631
(S) Tetrachloro-m-xylene	69.4			10.0-139		02/06/2024 01:13	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	02/02/2024 09:32	WG2218502

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.80	B	0.848	2.50	25	02/03/2024 21:34	WG2218642
(S) a,a,a-Trifluorotoluene(FID)	93.2			77.0-120		02/03/2024 21:34	WG2218642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/02/2024 17:56	WG2218764
Toluene	U		0.0308	0.125	25	02/02/2024 17:56	WG2218764
Ethylbenzene	U		0.00750	0.0250	25	02/02/2024 17:56	WG2218764
Xylenes, Total	U		0.0125	0.0750	25	02/02/2024 17:56	WG2218764
Naphthalene	U	C3	0.122	0.313	25	02/02/2024 17:56	WG2218764
Isopropylbenzene	U		0.0106	0.0625	25	02/02/2024 17:56	WG2218764
n-Propylbenzene	U		0.0238	0.125	25	02/02/2024 17:56	WG2218764
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/02/2024 17:56	WG2218764
1,3,5-Trimethylbenzene	U		0.0500	0.125	25	02/02/2024 17:56	WG2218764
Methyl tert-butyl ether	U		0.00875	0.0250	25	02/02/2024 17:56	WG2218764
1,2-Dichloroethane	U		0.0113	0.0250	25	02/02/2024 17:56	WG2218764
1,2-Dibromoethane	U		0.00625	0.0250	25	02/02/2024 17:56	WG2218764
Tetrachloroethene	U		0.0224	0.0625	25	02/02/2024 17:56	WG2218764
Trichloroethene	U		0.00500	0.0250	25	02/02/2024 17:56	WG2218764
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/02/2024 17:56	WG2218764
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/02/2024 17:56	WG2218764
1,1-Dichloroethene	U		0.00888	0.0250	25	02/02/2024 17:56	WG2218764
1,1-Dichloroethane	U		0.00670	0.0250	25	02/02/2024 17:56	WG2218764
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/02/2024 17:56	WG2218764
Vinyl chloride	U		0.00565	0.0250	25	02/02/2024 17:56	WG2218764
1,4-Dioxane	U	C3	1.90	2.50	25	02/02/2024 17:56	WG2218764
(S) Toluene-d8	113			75.0-131		02/02/2024 17:56	WG2218764
(S) 4-Bromofluorobenzene	95.1			67.0-138		02/02/2024 17:56	WG2218764
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		02/02/2024 17:56	WG2218764

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 15:06	WG2219220
Residual Range Organics (RRO)	U		3.33	10.0	1	02/03/2024 15:06	WG2219220
(S) o-Terphenyl	51.1			18.0-148		02/03/2024 15:06	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 05:43	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 05:43	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 05:43	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 05:43	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 05:43	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 05:43	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 05:43	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 05:43	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 05:43	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 05:43	WG2218524
(S) p-Terphenyl-d14	91.5			23.0-120		02/03/2024 05:43	WG2218524
(S) Nitrobenzene-d5	50.9			14.0-149		02/03/2024 05:43	WG2218524
(S) 2-Fluorobiphenyl	74.8			34.0-125		02/03/2024 05:43	WG2218524

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0508		0.0180	0.0400	1	02/04/2024 15:43	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.55	J	0.544	2.00	1	02/05/2024 13:55	WG2218668
Arsenic	2.74		0.518	2.00	1	02/05/2024 13:55	WG2218668
Beryllium	0.269		0.0315	0.200	1	02/05/2024 13:55	WG2218668
Cadmium	0.155	J	0.0471	0.500	1	02/05/2024 13:55	WG2218668
Chromium	6.12		0.133	1.00	1	02/05/2024 13:55	WG2218668
Copper	26.8		0.400	2.00	1	02/05/2024 13:55	WG2218668
Lead	38.3		0.208	0.500	1	02/05/2024 13:55	WG2218668
Nickel	10.4		0.132	2.00	1	02/05/2024 13:55	WG2218668
Selenium	U		0.764	2.00	1	02/05/2024 13:55	WG2218668
Silver	U		0.127	1.00	1	02/05/2024 13:55	WG2218668
Thallium	U		0.394	2.00	1	02/05/2024 13:55	WG2218668
Zinc	50.5		0.832	5.00	1	02/05/2024 13:55	WG2218668

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:22	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:22	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:22	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:22	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:22	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:22	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:22	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:22	WG2219631
(S) Decachlorobiphenyl	63.3			10.0-135		02/06/2024 01:22	WG2219631
(S) Tetrachloro-m-xylene	75.1			10.0-139		02/06/2024 01:22	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0180	0.0400	1	02/04/2024 16:02	WG2219098

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.63	J	0.544	2.00	1	02/05/2024 13:58	WG2218668
Arsenic	2.54		0.518	2.00	1	02/05/2024 13:58	WG2218668
Beryllium	0.255		0.0315	0.200	1	02/05/2024 13:58	WG2218668
Cadmium	0.0855	J	0.0471	0.500	1	02/05/2024 13:58	WG2218668
Chromium	9.06		0.133	1.00	1	02/05/2024 13:58	WG2218668
Copper	14.8		0.400	2.00	1	02/05/2024 13:58	WG2218668
Lead	10.9		0.208	0.500	1	02/05/2024 13:58	WG2218668
Nickel	10.6		0.132	2.00	1	02/05/2024 13:58	WG2218668
Selenium	U		0.764	2.00	1	02/05/2024 13:58	WG2218668
Silver	U		0.127	1.00	1	02/05/2024 13:58	WG2218668
Thallium	U		0.394	2.00	1	02/05/2024 13:58	WG2218668
Zinc	30.9		0.832	5.00	1	02/05/2024 13:58	WG2218668

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:31	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:31	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:31	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:31	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:31	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:31	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:31	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:31	WG2219631
(S) Decachlorobiphenyl	51.7			10.0-135		02/06/2024 01:31	WG2219631
(S) Tetrachloro-m-xylene	67.9			10.0-139		02/06/2024 01:31	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	79.6		1	02/02/2024 09:32	WG2218502

Mercury by Method 7471B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0446		0.0180	0.0400	1	02/06/2024 13:41	WG2218640

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.81	J	0.544	2.00	1	02/03/2024 17:05	WG2218660
Arsenic	4.99		0.518	2.00	1	02/03/2024 17:05	WG2218660
Beryllium	U		0.0315	0.200	1	02/03/2024 17:05	WG2218660
Cadmium	0.0852	J	0.0471	0.500	1	02/03/2024 17:05	WG2218660
Chromium	10.7		0.133	1.00	1	02/03/2024 17:05	WG2218660
Copper	17.4		0.400	2.00	1	02/03/2024 17:05	WG2218660
Lead	15.3		0.208	0.500	1	02/03/2024 17:05	WG2218660
Nickel	12.3		0.132	2.00	1	02/03/2024 17:05	WG2218660
Selenium	1.36	J	0.764	2.00	1	02/03/2024 17:05	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:05	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:05	WG2218660
Zinc	41.4		0.832	5.00	1	02/03/2024 17:05	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:39	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:39	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:39	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:39	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:39	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:39	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:39	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:39	WG2219631
(S) Decachlorobiphenyl	32.2			10.0-135		02/06/2024 01:39	WG2219631
(S) Tetrachloro-m-xylene	44.7			10.0-139		02/06/2024 01:39	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	02/02/2024 17:32	WG2218505

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.14	B_J	0.848	2.50	25	02/03/2024 22:28	WG2218642
(S) a,a,a-Trifluorotoluene(FID)	89.8			77.0-120		02/03/2024 22:28	WG2218642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/02/2024 18:17	WG2218764
Toluene	U		0.0308	0.125	25	02/02/2024 18:17	WG2218764
Ethylbenzene	U		0.00750	0.0250	25	02/02/2024 18:17	WG2218764
Xylenes, Total	U		0.0125	0.0750	25	02/02/2024 18:17	WG2218764
Naphthalene	U	C3	0.122	0.313	25	02/02/2024 18:17	WG2218764
Isopropylbenzene	U		0.0106	0.0625	25	02/02/2024 18:17	WG2218764
n-Propylbenzene	U		0.0238	0.125	25	02/02/2024 18:17	WG2218764
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/02/2024 18:17	WG2218764
1,3,5-Trimethylbenzene	U		0.0500	0.125	25	02/02/2024 18:17	WG2218764
Methyl tert-butyl ether	U		0.00875	0.0250	25	02/02/2024 18:17	WG2218764
1,2-Dichloroethane	U		0.0113	0.0250	25	02/02/2024 18:17	WG2218764
1,2-Dibromoethane	U		0.00625	0.0250	25	02/02/2024 18:17	WG2218764
Tetrachloroethene	U		0.0224	0.0625	25	02/02/2024 18:17	WG2218764
Trichloroethene	U		0.00500	0.0250	25	02/02/2024 18:17	WG2218764
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/02/2024 18:17	WG2218764
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/02/2024 18:17	WG2218764
1,1-Dichloroethene	U		0.00888	0.0250	25	02/02/2024 18:17	WG2218764
1,1-Dichloroethane	U		0.00670	0.0250	25	02/02/2024 18:17	WG2218764
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/02/2024 18:17	WG2218764
Vinyl chloride	U		0.00565	0.0250	25	02/02/2024 18:17	WG2218764
1,4-Dioxane	U	C3	1.90	2.50	25	02/02/2024 18:17	WG2218764
(S) Toluene-d8	113			75.0-131		02/02/2024 18:17	WG2218764
(S) 4-Bromofluorobenzene	86.3			67.0-138		02/02/2024 18:17	WG2218764
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/02/2024 18:17	WG2218764

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 15:19	WG2219220
Residual Range Organics (RRO)	U		3.33	10.0	1	02/03/2024 15:19	WG2219220
(S) o-Terphenyl	51.7			18.0-148		02/03/2024 15:19	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 06:01	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 06:01	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 06:01	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 06:01	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 06:01	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 06:01	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 06:01	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 06:01	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 06:01	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 06:01	WG2218524
(S) p-Terphenyl-d14	95.5			23.0-120		02/03/2024 06:01	WG2218524
(S) Nitrobenzene-d5	51.4			14.0-149		02/03/2024 06:01	WG2218524
(S) 2-Fluorobiphenyl	73.4			34.0-125		02/03/2024 06:01	WG2218524

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.0		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0563		0.0180	0.0400	1	02/06/2024 13:44	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.49		0.544	2.00	1	02/03/2024 17:06	WG2218660
Arsenic	4.99		0.518	2.00	1	02/03/2024 17:06	WG2218660
Beryllium	U		0.0315	0.200	1	02/03/2024 17:06	WG2218660
Cadmium	0.178	J	0.0471	0.500	1	02/03/2024 17:06	WG2218660
Chromium	9.12		0.133	1.00	1	02/03/2024 17:06	WG2218660
Copper	27.8		0.400	2.00	1	02/03/2024 17:06	WG2218660
Lead	42.1		0.208	0.500	1	02/03/2024 17:06	WG2218660
Nickel	13.0		0.132	2.00	1	02/03/2024 17:06	WG2218660
Selenium	0.992	J	0.764	2.00	1	02/03/2024 17:06	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:06	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:06	WG2218660
Zinc	73.5		0.832	5.00	1	02/03/2024 17:06	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:48	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:48	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:48	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:48	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:48	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:48	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:48	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:48	WG2219631
(S) Decachlorobiphenyl	69.2			10.0-135		02/06/2024 01:48	WG2219631
(S) Tetrachloro-m-xylene	87.8			10.0-139		02/06/2024 01:48	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0621		0.0180	0.0400	1	02/06/2024 13:46	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.16	J	0.544	2.00	1	02/03/2024 20:59	WG2218664
Arsenic	1.62	J	0.518	2.00	1	02/03/2024 20:59	WG2218664
Beryllium	0.0446	J	0.0315	0.200	1	02/03/2024 20:59	WG2218664
Cadmium	0.172	B J	0.0471	0.500	1	02/03/2024 20:59	WG2218664
Chromium	5.01		0.133	1.00	1	02/03/2024 20:59	WG2218664
Copper	12.7		0.400	2.00	1	02/03/2024 20:59	WG2218664
Lead	17.4		0.208	0.500	1	02/03/2024 20:59	WG2218664
Nickel	5.51		0.132	2.00	1	02/03/2024 20:59	WG2218664
Selenium	0.900	J	0.764	2.00	1	02/03/2024 20:59	WG2218664
Silver	U		0.127	1.00	1	02/03/2024 20:59	WG2218664
Thallium	U		0.394	2.00	1	02/03/2024 20:59	WG2218664
Zinc	24.1		0.832	5.00	1	02/03/2024 20:59	WG2218664

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 01:57	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 01:57	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 01:57	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 01:57	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 01:57	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 01:57	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 01:57	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 01:57	WG2219631
(S) Decachlorobiphenyl	54.5			10.0-135		02/06/2024 01:57	WG2219631
(S) Tetrachloro-m-xylene	68.1			10.0-139		02/06/2024 01:57	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.1		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0465		0.0180	0.0400	1	02/06/2024 13:49	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.15		0.544	2.00	1	02/03/2024 17:08	WG2218660
Arsenic	3.82		0.518	2.00	1	02/03/2024 17:08	WG2218660
Beryllium	U		0.0315	0.200	1	02/03/2024 17:08	WG2218660
Cadmium	0.0476	J	0.0471	0.500	1	02/03/2024 17:08	WG2218660
Chromium	9.62		0.133	1.00	1	02/03/2024 17:08	WG2218660
Copper	15.7		0.400	2.00	1	02/03/2024 17:08	WG2218660
Lead	11.8		0.208	0.500	1	02/03/2024 17:08	WG2218660
Nickel	10.7		0.132	2.00	1	02/03/2024 17:08	WG2218660
Selenium	0.812	J	0.764	2.00	1	02/03/2024 17:08	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:08	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:08	WG2218660
Zinc	34.1		0.832	5.00	1	02/03/2024 17:08	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 02:06	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 02:06	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 02:06	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 02:06	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 02:06	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 02:06	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 02:06	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 02:06	WG2219631
(S) Decachlorobiphenyl	72.0			10.0-135		02/06/2024 02:06	WG2219631
(S) Tetrachloro-m-xylene	94.3			10.0-139		02/06/2024 02:06	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.5		1	02/02/2024 16:23	WG2218504

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.87	B_J	0.875	2.58	25.8	02/03/2024 22:52	WG2218642
(S) a,a,a-Trifluorotoluene(FID)	93.0			77.0-120		02/03/2024 22:52	WG2218642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/02/2024 18:38	WG2218764
Toluene	U		0.0308	0.125	25	02/02/2024 18:38	WG2218764
Ethylbenzene	U		0.00750	0.0250	25	02/02/2024 18:38	WG2218764
Xylenes, Total	U		0.0125	0.0750	25	02/02/2024 18:38	WG2218764
Naphthalene	U	C3	0.122	0.313	25	02/02/2024 18:38	WG2218764
Isopropylbenzene	U		0.0106	0.0625	25	02/02/2024 18:38	WG2218764
n-Propylbenzene	U		0.0238	0.125	25	02/02/2024 18:38	WG2218764
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/02/2024 18:38	WG2218764
1,3,5-Trimethylbenzene	U		0.0500	0.125	25	02/02/2024 18:38	WG2218764
Methyl tert-butyl ether	U		0.00875	0.0250	25	02/02/2024 18:38	WG2218764
1,2-Dichloroethane	U		0.0113	0.0250	25	02/02/2024 18:38	WG2218764
1,2-Dibromoethane	U		0.00625	0.0250	25	02/02/2024 18:38	WG2218764
Tetrachloroethene	U		0.0224	0.0625	25	02/02/2024 18:38	WG2218764
Trichloroethene	U		0.00500	0.0250	25	02/02/2024 18:38	WG2218764
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/02/2024 18:38	WG2218764
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/02/2024 18:38	WG2218764
1,1-Dichloroethene	U		0.00888	0.0250	25	02/02/2024 18:38	WG2218764
1,1-Dichloroethane	U		0.00670	0.0250	25	02/02/2024 18:38	WG2218764
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/02/2024 18:38	WG2218764
Vinyl chloride	U		0.00565	0.0250	25	02/02/2024 18:38	WG2218764
1,4-Dioxane	U	C3	1.90	2.50	25	02/02/2024 18:38	WG2218764
(S) Toluene-d8	106			75.0-131		02/02/2024 18:38	WG2218764
(S) 4-Bromofluorobenzene	96.4			67.0-138		02/02/2024 18:38	WG2218764
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/02/2024 18:38	WG2218764

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 15:32	WG2219220
Residual Range Organics (RRO)	U		3.33	10.0	1	02/03/2024 15:32	WG2219220
(S) o-Terphenyl	41.5			18.0-148		02/03/2024 15:32	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 06:18	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 06:18	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 06:18	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 06:18	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 06:18	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 06:18	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 06:18	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 06:18	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 06:18	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 06:18	WG2218524
(S) p-Terphenyl-d14	82.6			23.0-120		02/03/2024 06:18	WG2218524
(S) Nitrobenzene-d5	49.6			14.0-149		02/03/2024 06:18	WG2218524
(S) 2-Fluorobiphenyl	59.5			34.0-125		02/03/2024 06:18	WG2218524

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.0		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0551		0.0180	0.0400	1	02/06/2024 13:51	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.38		0.544	2.00	1	02/03/2024 17:13	WG2218660
Arsenic	5.08		0.518	2.00	1	02/03/2024 17:13	WG2218660
Beryllium	U		0.0315	0.200	1	02/03/2024 17:13	WG2218660
Cadmium	0.0762	J	0.0471	0.500	1	02/03/2024 17:13	WG2218660
Chromium	9.58		0.133	1.00	1	02/03/2024 17:13	WG2218660
Copper	20.0		0.400	2.00	1	02/03/2024 17:13	WG2218660
Lead	22.5		0.208	0.500	1	02/03/2024 17:13	WG2218660
Nickel	12.0		0.132	2.00	1	02/03/2024 17:13	WG2218660
Selenium	1.27	J	0.764	2.00	1	02/03/2024 17:13	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:13	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:13	WG2218660
Zinc	46.5		0.832	5.00	1	02/03/2024 17:13	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 02:15	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 02:15	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 02:15	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 02:15	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 02:15	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 02:15	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 02:15	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 02:15	WG2219631
(S) Decachlorobiphenyl	66.9			10.0-135		02/06/2024 02:15	WG2219631
(S) Tetrachloro-m-xylene	84.1			10.0-139		02/06/2024 02:15	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.2		1	02/02/2024 16:23	WG2218504

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.03	J	0.848	2.50	25	02/03/2024 15:47	WG2218681
(S) a,a,a-Trifluorotoluene(FID)	92.9			77.0-120		02/03/2024 15:47	WG2218681

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00938	0.0250	25	02/02/2024 19:00	WG2218764
Toluene	U		0.0308	0.125	25	02/02/2024 19:00	WG2218764
Ethylbenzene	U		0.00750	0.0250	25	02/02/2024 19:00	WG2218764
Xylenes, Total	U		0.0125	0.0750	25	02/02/2024 19:00	WG2218764
Naphthalene	U	C3	0.122	0.313	25	02/02/2024 19:00	WG2218764
Isopropylbenzene	U		0.0106	0.0625	25	02/02/2024 19:00	WG2218764
n-Propylbenzene	U		0.0238	0.125	25	02/02/2024 19:00	WG2218764
1,2,4-Trimethylbenzene	U		0.0395	0.125	25	02/02/2024 19:00	WG2218764
1,3,5-Trimethylbenzene	U		0.0500	0.125	25	02/02/2024 19:00	WG2218764
Methyl tert-butyl ether	U		0.00875	0.0250	25	02/02/2024 19:00	WG2218764
1,2-Dichloroethane	U		0.0113	0.0250	25	02/02/2024 19:00	WG2218764
1,2-Dibromoethane	U		0.00625	0.0250	25	02/02/2024 19:00	WG2218764
Tetrachloroethene	U		0.0224	0.0625	25	02/02/2024 19:00	WG2218764
Trichloroethene	U		0.00500	0.0250	25	02/02/2024 19:00	WG2218764
cis-1,2-Dichloroethene	U		0.0119	0.0250	25	02/02/2024 19:00	WG2218764
trans-1,2-Dichloroethene	U		0.0125	0.0250	25	02/02/2024 19:00	WG2218764
1,1-Dichloroethene	U		0.00888	0.0250	25	02/02/2024 19:00	WG2218764
1,1-Dichloroethane	U		0.00670	0.0250	25	02/02/2024 19:00	WG2218764
1,1,1-Trichloroethane	U		0.00925	0.0250	25	02/02/2024 19:00	WG2218764
Vinyl chloride	U		0.00565	0.0250	25	02/02/2024 19:00	WG2218764
1,4-Dioxane	U	C3	1.90	2.50	25	02/02/2024 19:00	WG2218764
(S) Toluene-d8	116			75.0-131		02/02/2024 19:00	WG2218764
(S) 4-Bromofluorobenzene	90.3			67.0-138		02/02/2024 19:00	WG2218764
(S) 1,2-Dichloroethane-d4	91.6			70.0-130		02/02/2024 19:00	WG2218764

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/03/2024 15:45	WG2219220
Residual Range Organics (RRO)	U		3.33	10.0	1	02/03/2024 15:45	WG2219220
(S) o-Terphenyl	52.1			18.0-148		02/03/2024 15:45	WG2219220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 06:36	WG2218524
Anthracene	U		0.00230	0.00600	1	02/03/2024 06:36	WG2218524
Benzo(a)anthracene	U		0.00173	0.00600	1	02/03/2024 06:36	WG2218524
Benzo(a)pyrene	U		0.00179	0.00600	1	02/03/2024 06:36	WG2218524
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/03/2024 06:36	WG2218524
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/03/2024 06:36	WG2218524
Chrysene	U		0.00232	0.00600	1	02/03/2024 06:36	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Fluoranthene	U		0.00227	0.00600	1	02/03/2024 06:36	WG2218524
Fluorene	U		0.00205	0.00600	1	02/03/2024 06:36	WG2218524
Pyrene	U		0.00200	0.00600	1	02/03/2024 06:36	WG2218524
(S) p-Terphenyl-d14	77.0			23.0-120		02/03/2024 06:36	WG2218524
(S) Nitrobenzene-d5	32.4			14.0-149		02/03/2024 06:36	WG2218524
(S) 2-Fluorobiphenyl	54.6			34.0-125		02/03/2024 06:36	WG2218524

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0925		0.0180	0.0400	1	02/06/2024 13:58	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.82		0.544	2.00	1	02/03/2024 17:15	WG2218660
Arsenic	5.59		0.518	2.00	1	02/03/2024 17:15	WG2218660
Beryllium	U		0.0315	0.200	1	02/03/2024 17:15	WG2218660
Cadmium	0.248	J	0.0471	0.500	1	02/03/2024 17:15	WG2218660
Chromium	13.0		0.133	1.00	1	02/03/2024 17:15	WG2218660
Copper	42.6		0.400	2.00	1	02/03/2024 17:15	WG2218660
Lead	50.5		0.208	0.500	1	02/03/2024 17:15	WG2218660
Nickel	11.1		0.132	2.00	1	02/03/2024 17:15	WG2218660
Selenium	U		0.764	2.00	1	02/03/2024 17:15	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:15	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:15	WG2218660
Zinc	74.1		0.832	5.00	1	02/03/2024 17:15	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 02:24	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 02:24	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 02:24	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 02:24	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 02:24	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 02:24	WG2219631
PCB 1260	0.0144	J	0.00738	0.0170	1	02/06/2024 02:24	WG2219631
Total PCBs	0.0144	J	0.00738	0.0170	1	02/06/2024 02:24	WG2219631
(S) Decachlorobiphenyl	75.3			10.0-135		02/06/2024 02:24	WG2219631
(S) Tetrachloro-m-xylene	92.4			10.0-139		02/06/2024 02:24	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.5		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0394	J	0.0180	0.0400	1	02/06/2024 14:01	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.62		0.544	2.00	1	02/03/2024 17:16	WG2218660
Arsenic	10.0		0.518	2.00	1	02/03/2024 17:16	WG2218660
Beryllium	0.0976	J	0.0315	0.200	1	02/03/2024 17:16	WG2218660
Cadmium	0.0958	J	0.0471	0.500	1	02/03/2024 17:16	WG2218660
Chromium	17.4		0.133	1.00	1	02/03/2024 17:16	WG2218660
Copper	18.3		0.400	2.00	1	02/03/2024 17:16	WG2218660
Lead	15.8		0.208	0.500	1	02/03/2024 17:16	WG2218660
Nickel	14.7		0.132	2.00	1	02/03/2024 17:16	WG2218660
Selenium	U		0.764	2.00	1	02/03/2024 17:16	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:16	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:16	WG2218660
Zinc	56.5		0.832	5.00	1	02/03/2024 17:16	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 02:32	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 02:32	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 02:32	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 02:32	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 02:32	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 02:32	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 02:32	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 02:32	WG2219631
(S) Decachlorobiphenyl	52.6			10.0-135		02/06/2024 02:32	WG2219631
(S) Tetrachloro-m-xylene	66.8			10.0-139		02/06/2024 02:32	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.3		1	02/02/2024 16:23	WG2218504

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0334	J	0.0180	0.0400	1	02/06/2024 14:03	WG2218640

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.23		0.544	2.00	1	02/03/2024 17:18	WG2218660
Arsenic	4.92		0.518	2.00	1	02/03/2024 17:18	WG2218660
Beryllium	0.0564	J	0.0315	0.200	1	02/03/2024 17:18	WG2218660
Cadmium	0.0635	J	0.0471	0.500	1	02/03/2024 17:18	WG2218660
Chromium	16.9		0.133	1.00	1	02/03/2024 17:18	WG2218660
Copper	16.9		0.400	2.00	1	02/03/2024 17:18	WG2218660
Lead	7.25		0.208	0.500	1	02/03/2024 17:18	WG2218660
Nickel	19.1		0.132	2.00	1	02/03/2024 17:18	WG2218660
Selenium	0.998	J	0.764	2.00	1	02/03/2024 17:18	WG2218660
Silver	U		0.127	1.00	1	02/03/2024 17:18	WG2218660
Thallium	U		0.394	2.00	1	02/03/2024 17:18	WG2218660
Zinc	39.6		0.832	5.00	1	02/03/2024 17:18	WG2218660

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0118	0.0340	1	02/06/2024 02:41	WG2219631
PCB 1221	U		0.0118	0.0340	1	02/06/2024 02:41	WG2219631
PCB 1232	U		0.0118	0.0340	1	02/06/2024 02:41	WG2219631
PCB 1242	U		0.0118	0.0340	1	02/06/2024 02:41	WG2219631
PCB 1248	U		0.00738	0.0170	1	02/06/2024 02:41	WG2219631
PCB 1254	U		0.00738	0.0170	1	02/06/2024 02:41	WG2219631
PCB 1260	U		0.00738	0.0170	1	02/06/2024 02:41	WG2219631
Total PCBs	U		0.00738	0.0170	1	02/06/2024 02:41	WG2219631
(S) Decachlorobiphenyl	61.6			10.0-135		02/06/2024 02:41	WG2219631
(S) Tetrachloro-m-xylene	79.2			10.0-139		02/06/2024 02:41	WG2219631

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029085-1 02/01/24 10:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700806-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1700806-16 02/01/24 10:10 • (DUP) R4029085-3 02/01/24 10:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	92.5	91.9	1	0.652		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029085-2 02/01/24 10:10

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

⁹Sc

Method Blank (MB)

(MB) R4029082-1 02/01/24 09:59

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700815-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-16 02/01/24 09:59 • (DUP) R4029082-3 02/01/24 09:59

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	87.6	87.8	1	0.196		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029082-2 02/01/24 09:59

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

⁹Sc

Method Blank (MB)

(MB) R4029108-1 02/01/24 12:42

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

L1700815-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-21 02/01/24 12:42 • (DUP) R4029108-3 02/01/24 12:42

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.1	86.2	1	3.39		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4029108-2 02/01/24 12:42

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

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029107-1 02/01/24 12:18

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

L1700815-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-29 02/01/24 12:18 • (DUP) R4029107-3 02/01/24 12:18

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	75.1	75.1	1	0.0318		10

Laboratory Control Sample (LCS)

(LCS) R4029107-2 02/01/24 12:18

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029439-1 02/02/24 09:47

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00300			

L1700815-37 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-37 02/02/24 09:47 • (DUP) R4029439-3 02/02/24 09:47

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.0	90.6	1	1.82		10

Laboratory Control Sample (LCS)

(LCS) R4029439-2 02/02/24 09:47

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4029436-1 02/02/24 09:32

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00400			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700815-47 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-47 02/02/24 09:32 • (DUP) R4029436-3 02/02/24 09:32

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	79.6	80.0	1	0.466		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029436-2 02/02/24 09:32

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

⁹Sc

Method Blank (MB)

(MB) R4029695-1 02/02/24 16:23

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700815-57 Original Sample (OS) • Duplicate (DUP)

(OS) L1700815-57 02/02/24 16:23 • (DUP) R4029695-3 02/02/24 16:23

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	74.3	75.2	1	1.17		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029695-2 02/02/24 16:23

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

⁹Sc

Method Blank (MB)

(MB) R4029699-1 02/02/24 17:32

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700965-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1700965-04 02/02/24 17:32 • (DUP) R4029699-3 02/02/24 17:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	88.9	87.7	1	1.31		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029699-2 02/02/24 17:32

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

⁹Sc

Method Blank (MB)

(MB) R4029427-1 02/01/24 17:45

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029427-2 02/01/24 17:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.516	103	80.0-120	

L1700502-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700502-01 02/01/24 17:50 • (MS) R4029427-3 02/01/24 17:52 • (MSD) R4029427-4 02/01/24 17:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	U	0.468	0.452	93.5	90.3	1	75.0-125			3.48	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029432-1 02/01/24 20:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029432-2 02/01/24 20:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.513	103	80.0-120	

L1700815-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-29 02/01/24 20:33 • (MS) R4029432-3 02/01/24 20:36 • (MSD) R4029432-4 02/01/24 20:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0258	0.476	0.439	90.0	82.7	1	75.0-125			8.02	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029986-1 02/05/24 12:49

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029986-2 02/05/24 12:56

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.537	107	80.0-120	

L1700815-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-05 02/05/24 12:59 • (MS) R4029986-3 02/05/24 13:01 • (MSD) R4029986-4 02/05/24 13:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0269	0.500	0.665	94.7	128	1	75.0-125		<u>J3 J5</u>	28.3	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030482-4 02/06/24 14:32

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4030482-1 02/06/24 13:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.593	119	80.0-120	

L1701334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701334-01 02/06/24 13:34 • (MS) R4030482-2 02/06/24 13:36 • (MSD) R4030482-3 02/06/24 13:39

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0241	0.549	0.576	105	110	1	75.0-125			4.87	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029643-1 02/04/24 15:10

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029643-2 02/04/24 15:12

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.462	92.4	80.0-120	

L1701335-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701335-01 02/04/24 15:20 • (MS) R4029643-3 02/04/24 15:23 • (MSD) R4029643-4 02/04/24 15:25

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.135	0.590	0.639	91.0	101	1	75.0-125			7.96	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029407-1 02/02/24 17:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029407-2 02/02/24 17:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	88.9	88.9	80.0-120	
Arsenic	100	87.6	87.6	80.0-120	
Beryllium	100	92.6	92.6	80.0-120	
Cadmium	100	89.0	89.0	80.0-120	
Chromium	100	91.6	91.6	80.0-120	
Copper	100	94.9	94.9	80.0-120	
Lead	100	89.4	89.4	80.0-120	
Nickel	100	89.4	89.4	80.0-120	
Selenium	100	85.6	85.6	80.0-120	
Silver	20.0	17.8	88.8	80.0-120	
Thallium	100	94.5	94.5	80.0-120	
Zinc	100	90.5	90.5	80.0-120	

L1700815-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-05 02/02/24 17:26 • (MS) R4029407-5 02/02/24 17:31 • (MSD) R4029407-6 02/02/24 17:32

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 %
Antimony	100	1.70	45.6	40.4	43.9	38.6	1	75.0-125	J6	J6	12.2	20
Arsenic	100	4.90	89.9	79.4	85.0	74.5	1	75.0-125	J6	J6	12.4	20
Beryllium	100	0.121	89.5	80.1	89.4	80.0	1	75.0-125			11.1	20

L1700815-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-05 02/02/24 17:26 • (MS) R4029407-5 02/02/24 17:31 • (MSD) R4029407-6 02/02/24 17:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cadmium	100	0.137	87.9	78.4	87.8	78.3	1	75.0-125			11.4	20
Chromium	100	17.4	105	93.8	88.1	76.4	1	75.0-125			11.7	20
Copper	100	20.7	119	104	97.9	82.9	1	75.0-125			13.5	20
Lead	100	20.2	115	100	95.1	79.9	1	75.0-125			14.1	20
Nickel	100	14.0	104	90.9	90.0	77.0	1	75.0-125			13.3	20
Selenium	100	1.35	87.6	77.3	86.3	76.0	1	75.0-125			12.5	20
Silver	20.0	U	16.2	14.5	81.2	72.3	1	75.0-125		J6	11.5	20
Thallium	100	U	88.4	78.6	88.4	78.6	1	75.0-125			11.8	20
Zinc	100	55.9	153	134	97.1	77.9	1	75.0-125			13.4	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029112-1 02/01/24 23:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029112-2 02/01/24 23:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	92.9	92.9	80.0-120	
Arsenic	100	90.1	90.1	80.0-120	
Beryllium	100	92.0	92.0	80.0-120	
Cadmium	100	90.8	90.8	80.0-120	
Chromium	100	92.4	92.4	80.0-120	
Copper	100	94.6	94.6	80.0-120	
Lead	100	89.2	89.2	80.0-120	
Nickel	100	90.2	90.2	80.0-120	
Selenium	100	90.1	90.1	80.0-120	
Silver	20.0	17.5	87.7	80.0-120	
Thallium	100	94.8	94.8	80.0-120	
Zinc	100	91.8	91.8	80.0-120	

L1700815-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-29 02/01/24 23:22 • (MS) R4029112-5 02/01/24 23:27 • (MSD) R4029112-6 02/01/24 23:28

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 %
Antimony	100	0.611	71.0	70.0	70.4	69.4	1	75.0-125	J6	J6	1.41	20
Arsenic	100	4.08	99.0	92.6	94.9	88.5	1	75.0-125			6.63	20
Beryllium	100	0.170	99.8	94.6	99.6	94.4	1	75.0-125			5.33	20

L1700815-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-29 02/01/24 23:22 • (MS) R4029112-5 02/01/24 23:27 • (MSD) R4029112-6 02/01/24 23:28

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 %
Cadmium	100	0.0647	98.6	93.3	98.5	93.3	1	75.0-125			5.48	20
Chromium	100	11.7	113	106	102	94.5	1	75.0-125			6.49	20
Copper	100	19.3	122	117	103	97.2	1	75.0-125			4.54	20
Lead	100	15.7	118	112	102	96.0	1	75.0-125			5.31	20
Nickel	100	10.3	110	101	99.2	91.2	1	75.0-125			7.64	20
Selenium	100	2.44	98.4	89.5	95.9	87.1	1	75.0-125			9.44	20
Silver	20.0	U	18.3	17.3	91.4	86.4	1	75.0-125			5.57	20
Thallium	100	U	100	96.7	100	96.7	1	75.0-125			3.34	20
Zinc	100	42.8	142	130	99.1	87.4	1	75.0-125			8.63	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029558-1 02/03/24 16:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029558-2 02/03/24 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	89.9	89.9	80.0-120	
Arsenic	100	88.1	88.1	80.0-120	
Beryllium	100	91.6	91.6	80.0-120	
Cadmium	100	87.5	87.5	80.0-120	
Chromium	100	91.1	91.1	80.0-120	
Copper	100	93.3	93.3	80.0-120	
Lead	100	88.0	88.0	80.0-120	
Nickel	100	87.3	87.3	80.0-120	
Selenium	100	88.0	88.0	80.0-120	
Silver	20.0	17.2	86.1	80.0-120	
Thallium	100	91.4	91.4	80.0-120	
Zinc	100	89.5	89.5	80.0-120	

L1701138-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701138-05 02/03/24 16:57 • (MS) R4029558-5 02/03/24 17:01 • (MSD) R4029558-6 02/03/24 17:03

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 %
Antimony	99.9	0.679	45.8	42.0	45.1	41.3	1	75.0-125	J6	J6	8.67	20
Arsenic	99.9	13.3	106	109	93.1	95.5	1	75.0-125			2.28	20
Beryllium	99.9	0.480	97.4	96.2	96.9	95.7	1	75.0-125			1.27	20

L1701138-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701138-05 02/03/24 16:57 • (MS) R4029558-5 02/03/24 17:01 • (MSD) R4029558-6 02/03/24 17:03

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 %
Cadmium	99.9	0.446	93.0	91.4	92.6	90.9	1	75.0-125			1.77	20
Chromium	99.9	17.5	113	114	95.9	96.8	1	75.0-125			0.803	20
Copper	99.9	14.3	114	114	99.2	100	1	75.0-125			0.779	20
Lead	99.9	15.1	112	113	96.6	98.0	1	75.0-125			1.24	20
Nickel	99.9	8.79	109	106	100	96.9	1	75.0-125			2.94	20
Selenium	99.9	0.845	101	101	100	99.8	1	75.0-125			0.482	20
Silver	20.0	U	18.7	18.2	93.6	91.2	1	75.0-125			2.51	20
Thallium	99.9	U	97.8	96.7	97.8	96.7	1	75.0-125			1.12	20
Zinc	99.9	48.1	145	148	97.2	100	1	75.0-125			2.01	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029546-1 02/03/24 20:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	0.0518	U	0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	0.223	U	0.208	0.500
Nickel	0.262	U	0.132	2.00
Selenium	U		0.764	2.00
Silver	0.189	U	0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4029546-2 02/03/24 20:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	95.8	95.8	80.0-120	
Arsenic	100	95.5	95.5	80.0-120	
Beryllium	100	97.5	97.5	80.0-120	
Cadmium	100	94.6	94.6	80.0-120	
Chromium	100	98.2	98.2	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	95.5	95.5	80.0-120	
Nickel	100	93.0	93.0	80.0-120	
Selenium	100	97.4	97.4	80.0-120	
Silver	20.0	18.6	92.9	80.0-120	
Thallium	100	101	101	80.0-120	
Zinc	100	95.1	95.1	80.0-120	

L1701137-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701137-11 02/03/24 20:51 • (MS) R4029546-5 02/03/24 20:56 • (MSD) R4029546-6 02/03/24 20:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	99.9	2.74	92.2	90.9	89.5	88.1	1	75.0-125			1.51	20
Beryllium	99.9	U	87.4	86.3	87.4	86.3	1	75.0-125			1.23	20
Chromium	99.9	5.81	91.1	90.7	85.3	84.9	1	75.0-125			0.478	20

L1701137-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701137-11 02/03/24 20:51 • (MS) R4029546-5 02/03/24 20:56 • (MSD) R4029546-6 02/03/24 20:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Copper	99.9	9.55	97.4	96.3	87.8	86.7	1	75.0-125			1.12	20
Lead	99.9	4.58	91.5	90.4	86.9	85.9	1	75.0-125			1.17	20
Nickel	99.9	6.36	94.2	92.6	87.9	86.3	1	75.0-125			1.73	20
Selenium	99.9	U	99.5	99.3	99.5	99.3	1	75.0-125			0.241	20
Thallium	99.9	U	88.7	88.2	88.7	88.2	1	75.0-125			0.484	20
Zinc	99.9	16.9	97.2	96.6	80.3	79.7	1	75.0-125			0.657	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030029-1 02/05/24 13:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4030029-2 02/05/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	95.8	95.8	80.0-120	
Arsenic	100	95.3	95.3	80.0-120	
Beryllium	100	96.2	96.2	80.0-120	
Cadmium	100	93.3	93.3	80.0-120	
Chromium	100	95.8	95.8	80.0-120	
Copper	100	96.3	96.3	80.0-120	
Lead	100	95.7	95.7	80.0-120	
Nickel	100	94.4	94.4	80.0-120	
Selenium	100	94.6	94.6	80.0-120	
Silver	20.0	18.6	93.2	80.0-120	
Thallium	100	98.5	98.5	80.0-120	
Zinc	100	97.2	97.2	80.0-120	

L1700958-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700958-09 02/05/24 13:27 • (MS) R4030029-5 02/05/24 13:35 • (MSD) R4030029-6 02/05/24 13:38

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 %
Antimony	100	3.36	89.8	95.8	86.5	92.4	1	75.0-125			6.43	20
Arsenic	100	4.09	103	105	98.5	101	1	75.0-125			2.57	20
Beryllium	100	0.231	96.6	104	96.4	104	1	75.0-125			7.32	20

L1700958-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700958-09 02/05/24 13:27 • (MS) R4030029-5 02/05/24 13:35 • (MSD) R4030029-6 02/05/24 13:38

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 %
Cadmium	100	0.234	95.3	102	95.0	101	1	75.0-125			6.39	20
Chromium	100	23.7	120	130	96.3	106	1	75.0-125			7.91	20
Copper	100	23.1	119	133	95.8	110	1	75.0-125			11.1	20
Lead	100	668	899	1310	232	640	1	75.0-125	V	J3 V	37.0	20
Nickel	100	8.40	103	111	95.0	103	1	75.0-125			7.07	20
Selenium	100	U	95.4	92.4	95.4	92.4	1	75.0-125			3.15	20
Silver	20.0	U	19.3	20.9	96.3	105	1	75.0-125			8.20	20
Thallium	100	U	95.9	103	95.9	103	1	75.0-125			7.25	20
Zinc	100	37.0	125	138	87.8	101	1	75.0-125			10.3	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029545-1 02/03/24 19:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029545-2 02/03/24 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	91.4	91.4	80.0-120	
Arsenic	100	91.5	91.5	80.0-120	
Beryllium	100	93.9	93.9	80.0-120	
Cadmium	100	90.5	90.5	80.0-120	
Chromium	100	94.7	94.7	80.0-120	
Copper	100	95.5	95.5	80.0-120	
Lead	100	91.8	91.8	80.0-120	
Nickel	100	90.1	90.1	80.0-120	
Selenium	100	92.9	92.9	80.0-120	
Silver	20.0	17.9	89.3	80.0-120	
Thallium	100	97.3	97.3	80.0-120	
Zinc	100	91.1	91.1	80.0-120	

L1701334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701334-01 02/03/24 19:59 • (MS) R4029545-5 02/03/24 20:04 • (MSD) R4029545-6 02/03/24 20:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	4.81	104	112	99.4	107	1	75.0-125			7.30	20
Beryllium	100	0.145	100	108	100	108	1	75.0-125			7.70	20
Cadmium	100	0.122	97.4	105	97.3	105	1	75.0-125			7.36	20

L1701334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701334-01 02/03/24 19:59 • (MS) R4029545-5 02/03/24 20:04 • (MSD) R4029545-6 02/03/24 20:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chromium	100	13.4	112	120	98.5	106	1	75.0-125			6.70	20
Copper	100	14.2	115	123	101	109	1	75.0-125			6.72	20
Lead	100	6.58	108	116	101	110	1	75.0-125			7.83	20
Nickel	100	22.1	127	129	105	107	1	75.0-125			1.57	20
Selenium	100	0.878	107	116	107	116	1	75.0-125			7.97	20
Silver	20.0	U	19.3	20.7	96.4	104	1	75.0-125			7.27	20
Thallium	100	U	103	112	103	112	1	75.0-125			8.20	20
Zinc	100	24.5	121	129	96.3	105	1	75.0-125			6.68	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029767-2 02/03/24 09:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.26	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	92.1			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4029767-1 02/03/24 02:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.12	93.1	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	

L1700815-52 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-52 02/03/24 22:52 • (MS) R4029767-3 02/04/24 00:09 • (MSD) R4029767-4 02/04/24 00:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	142	1.87	143	125	99.4	86.7	25.8	50.0-150			13.4	27
(S) a,a,a-Trifluorotoluene(FID)					96.9	94.2		77.0-120				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4030196-2 02/03/24 08:23

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)	92.9			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4030196-1 02/03/24 02:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	4.97	90.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			99.8	77.0-120	

L1700806-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700806-13 02/03/24 13:51 • (MS) R4030196-3 02/03/24 16:06 • (MSD) R4030196-4 02/03/24 16:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	163	1.50	120	128	80.6	86.1	26.8	50.0-150			6.45	27
(S) a,a,a-Trifluorotoluene(FID)					98.7	98.3		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

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

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

Laboratory Control Sample (LCS)

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

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.19	94.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	

1
Cp

2
Tc

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Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

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

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

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

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

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

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

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

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	160	1.34	164	170	102	105	29	50.0-150			3.59	27
(S) a,a,a-Trifluorotoluene(FID)					105	106		77.0-120				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4029236-4 02/01/24 10:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
Naphthalene	U		0.00100	0.00500
Isopropylbenzene	U		0.000105	0.00100
n-Propylbenzene	U		0.0000993	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
Vinyl chloride	U		0.000234	0.00100
1,4-Dioxane	U		0.0360	0.100
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	89.5			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4029236-1 02/01/24 09:26 • (LCSD) R4029236-2 02/01/24 09:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00479	0.00474	95.8	94.8	70.0-123			1.05	20
Toluene	0.00500	0.00507	0.00523	101	105	79.0-120			3.11	20
Ethylbenzene	0.00500	0.00584	0.00600	117	120	79.0-123			2.70	20
Xylenes, Total	0.0150	0.0179	0.0176	119	117	79.0-123			1.69	20
Naphthalene	0.00500	0.00535	0.00516	107	103	54.0-135			3.62	20
Isopropylbenzene	0.00500	0.00609	0.00601	122	120	76.0-127			1.32	20
n-Propylbenzene	0.00500	0.00415	0.00430	83.0	86.0	77.0-124			3.55	20
1,2,4-Trimethylbenzene	0.00500	0.00477	0.00479	95.4	95.8	76.0-121			0.418	20
1,3,5-Trimethylbenzene	0.00500	0.00471	0.00463	94.2	92.6	76.0-122			1.71	20

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

(LCS) R4029236-1 02/01/24 09:26 • (LCSD) R4029236-2 02/01/24 09:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00438	0.00430	87.6	86.0	68.0-125			1.84	20
1,2-Dichloroethane	0.00500	0.00445	0.00441	89.0	88.2	70.0-128			0.903	20
1,2-Dibromoethane	0.00500	0.00549	0.00556	110	111	80.0-122			1.27	20
Tetrachloroethene	0.00500	0.00629	0.00610	126	122	72.0-132			3.07	20
Trichloroethene	0.00500	0.00524	0.00532	105	106	78.0-124			1.52	20
cis-1,2-Dichloroethene	0.00500	0.00486	0.00492	97.2	98.4	73.0-120			1.23	20
trans-1,2-Dichloroethene	0.00500	0.00474	0.00489	94.8	97.8	73.0-120			3.12	20
1,1-Dichloroethene	0.00500	0.00474	0.00473	94.8	94.6	71.0-124			0.211	20
1,1-Dichloroethane	0.00500	0.00461	0.00453	92.2	90.6	70.0-126			1.75	20
1,1,1-Trichloroethane	0.00500	0.00432	0.00420	86.4	84.0	73.0-124			2.82	20
Vinyl chloride	0.00500	0.00404	0.00419	80.8	83.8	67.0-131			3.65	20
(S) Toluene-d8				109	108	80.0-120				
(S) 4-Bromofluorobenzene				105	105	77.0-126				
(S) 1,2-Dichloroethane-d4				89.0	89.0	70.0-130				

Laboratory Control Sample (LCS)

(LCS) R4029236-3 02/01/24 10:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,4-Dioxane	1.00	1.19	119	13.0-160	
(S) Toluene-d8			112	80.0-120	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) 1,2-Dichloroethane-d4			84.5	70.0-130	

1
Cp

2
Tc

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Ss

4
Cn

5
Sr

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Qc

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Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4029757-4 02/02/24 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00938	0.0250
Toluene	U		0.0308	0.125
Ethylbenzene	U		0.00750	0.0250
Xylenes, Total	U		0.0125	0.0750
Naphthalene	U		0.122	0.313
Isopropylbenzene	U		0.0106	0.0625
n-Propylbenzene	U		0.0238	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Methyl tert-butyl ether	U		0.00875	0.0250
1,2-Dichloroethane	U		0.0113	0.0250
1,2-Dibromoethane	U		0.00625	0.0250
Tetrachloroethene	U		0.0224	0.0625
Trichloroethene	U		0.00500	0.0250
cis-1,2-Dichloroethene	U		0.0119	0.0250
trans-1,2-Dichloroethene	U		0.0125	0.0250
1,1-Dichloroethene	U		0.00888	0.0250
1,1-Dichloroethane	U		0.00670	0.0250
1,1,1-Trichloroethane	U		0.00925	0.0250
Vinyl chloride	U		0.00565	0.0250
1,4-Dioxane	U		1.90	2.50
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	92.6			67.0-138
(S) 1,2-Dichloroethane-d4	116			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029757-1 02/02/24 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0240	96.0	70.0-123	
Toluene	0.0250	0.0230	92.0	75.0-121	
Ethylbenzene	0.0250	0.0217	86.8	74.0-126	
Xylenes, Total	0.0750	0.0676	90.1	72.0-127	
Naphthalene	0.0250	0.0189	75.6	59.0-130	
Isopropylbenzene	0.0250	0.0215	86.0	72.0-127	
n-Propylbenzene	0.0250	0.0194	77.6	74.0-126	
1,2,4-Trimethylbenzene	0.0250	0.0207	82.8	70.0-126	
1,3,5-Trimethylbenzene	0.0250	0.0195	78.0	73.0-127	

Laboratory Control Sample (LCS)

(LCS) R4029757-1 02/02/24 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Methyl tert-butyl ether	0.0250	0.0198	79.2	66.0-132	
1,2-Dichloroethane	0.0250	0.0222	88.8	65.0-131	
1,2-Dibromoethane	0.0250	0.0239	95.6	74.0-128	
Tetrachloroethene	0.0250	0.0258	103	70.0-136	
Trichloroethene	0.0250	0.0222	88.8	76.0-126	
cis-1,2-Dichloroethene	0.0250	0.0244	97.6	73.0-125	
trans-1,2-Dichloroethene	0.0250	0.0245	98.0	71.0-125	
1,1-Dichloroethene	0.0250	0.0223	89.2	65.0-131	
1,1-Dichloroethane	0.0250	0.0313	125	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0261	104	69.0-126	
Vinyl chloride	0.0250	0.0286	114	63.0-134	
(S) Toluene-d8			102	75.0-131	
(S) 4-Bromofluorobenzene			88.1	67.0-138	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029757-2 02/02/24 10:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,4-Dioxane	1.00	0.681	68.1	18.0-160	
(S) Toluene-d8			99.1	75.0-131	
(S) 4-Bromofluorobenzene			84.1	67.0-138	
(S) 1,2-Dichloroethane-d4			94.5	70.0-130	

Method Blank (MB)

(MB) R4030133-3 02/05/24 23:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00938	0.0250
Toluene	U		0.0308	0.125
Ethylbenzene	U		0.00750	0.0250
Xylenes, Total	U		0.0125	0.0750
Naphthalene	U		0.122	0.313
Isopropylbenzene	U		0.0106	0.0625
n-Propylbenzene	U		0.0238	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Methyl tert-butyl ether	U		0.00875	0.0250
1,2-Dichloroethane	U		0.0113	0.0250
1,2-Dibromoethane	U		0.00625	0.0250
Tetrachloroethene	U		0.0224	0.0625
Trichloroethene	U		0.00500	0.0250
cis-1,2-Dichloroethene	U		0.0119	0.0250
trans-1,2-Dichloroethene	U		0.0125	0.0250
1,1-Dichloroethene	U		0.00888	0.0250
1,1-Dichloroethane	U		0.00670	0.0250
1,1,1-Trichloroethane	U		0.00925	0.0250
Vinyl chloride	U		0.00565	0.0250
1,4-Dioxane	U		1.90	2.50
(S) Toluene-d8	114			75.0-131
(S) 4-Bromofluorobenzene	97.9			67.0-138
(S) 1,2-Dichloroethane-d4	91.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4030133-1 02/05/24 20:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0213	85.2	70.0-123	
Toluene	0.0250	0.0242	96.8	75.0-121	
Ethylbenzene	0.0250	0.0246	98.4	74.0-126	
Xylenes, Total	0.0750	0.0772	103	72.0-127	
Naphthalene	0.0250	0.0239	95.6	59.0-130	
Isopropylbenzene	0.0250	0.0252	101	72.0-127	
n-Propylbenzene	0.0250	0.0194	77.6	74.0-126	
1,2,4-Trimethylbenzene	0.0250	0.0222	88.8	70.0-126	
1,3,5-Trimethylbenzene	0.0250	0.0209	83.6	73.0-127	

Laboratory Control Sample (LCS)

(LCS) R4030133-1 02/05/24 20:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Methyl tert-butyl ether	0.0250	0.0194	77.6	66.0-132	
1,2-Dichloroethane	0.0250	0.0253	101	65.0-131	
1,2-Dibromoethane	0.0250	0.0274	110	74.0-128	
Tetrachloroethene	0.0250	0.0296	118	70.0-136	
Trichloroethene	0.0250	0.0261	104	76.0-126	
cis-1,2-Dichloroethene	0.0250	0.0229	91.6	73.0-125	
trans-1,2-Dichloroethene	0.0250	0.0228	91.2	71.0-125	
1,1-Dichloroethene	0.0250	0.0244	97.6	65.0-131	
1,1-Dichloroethane	0.0250	0.0238	95.2	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0237	94.8	69.0-126	
Vinyl chloride	0.0250	0.0305	122	63.0-134	
(S) Toluene-d8			103	75.0-131	
(S) 4-Bromofluorobenzene			98.2	67.0-138	
(S) 1,2-Dichloroethane-d4			99.2	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R4030133-2 02/05/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,4-Dioxane	1.00	0.643	64.3	18.0-160	
(S) Toluene-d8			108	75.0-131	
(S) 4-Bromofluorobenzene			108	67.0-138	
(S) 1,2-Dichloroethane-d4			88.8	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030948-3 02/06/24 19:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00938	0.0250
Toluene	U		0.0308	0.125
Ethylbenzene	U		0.00750	0.0250
Xylenes, Total	U		0.0125	0.0750
Naphthalene	U		0.122	0.313
Isopropylbenzene	U		0.0106	0.0625
n-Propylbenzene	U		0.0238	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Methyl tert-butyl ether	U		0.00875	0.0250
1,2-Dichloroethane	U		0.0113	0.0250
1,2-Dibromoethane	U		0.00625	0.0250
Tetrachloroethene	U		0.0224	0.0625
Trichloroethene	U		0.00500	0.0250
cis-1,2-Dichloroethene	U		0.0119	0.0250
trans-1,2-Dichloroethene	U		0.0125	0.0250
1,1-Dichloroethene	U		0.00888	0.0250
1,1-Dichloroethane	U		0.00670	0.0250
1,1,1-Trichloroethane	U		0.00925	0.0250
Vinyl chloride	U		0.00565	0.0250
(S) Toluene-d8	118			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	84.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4030948-1 02/06/24 17:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0214	85.6	70.0-123	
Toluene	0.0250	0.0216	86.4	75.0-121	
Ethylbenzene	0.0250	0.0218	87.2	74.0-126	
Xylenes, Total	0.0750	0.0687	91.6	72.0-127	
Naphthalene	0.0250	0.0211	84.4	59.0-130	
Isopropylbenzene	0.0250	0.0225	90.0	72.0-127	
n-Propylbenzene	0.0250	0.0179	71.6	74.0-126	J4
1,2,4-Trimethylbenzene	0.0250	0.0201	80.4	70.0-126	
1,3,5-Trimethylbenzene	0.0250	0.0195	78.0	73.0-127	
Methyl tert-butyl ether	0.0250	0.0173	69.2	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4030948-1 02/06/24 17:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,2-Dichloroethane	0.0250	0.0216	86.4	65.0-131	
1,2-Dibromoethane	0.0250	0.0222	88.8	74.0-128	
Tetrachloroethene	0.0250	0.0256	102	70.0-136	
Trichloroethene	0.0250	0.0243	97.2	76.0-126	
cis-1,2-Dichloroethene	0.0250	0.0211	84.4	73.0-125	
trans-1,2-Dichloroethene	0.0250	0.0219	87.6	71.0-125	
1,1-Dichloroethene	0.0250	0.0215	86.0	65.0-131	
1,1-Dichloroethane	0.0250	0.0231	92.4	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0230	92.0	69.0-126	
Vinyl chloride	0.0250	0.0272	109	63.0-134	
(S) Toluene-d8			96.4	75.0-131	
(S) 4-Bromofluorobenzene			93.9	67.0-138	
(S) 1,2-Dichloroethane-d4			95.1	70.0-130	

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

(OS) L1700815-03 02/06/24 21:29 • (MS) R4030948-4 02/07/24 02:07 • (MSD) R4030948-5 02/07/24 02:28

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Benzene	0.620	U	0.429	0.521	69.2	84.0	25	10.0-149			19.4	37
Toluene	0.620	U	0.473	0.534	76.3	86.1	25	10.0-156			12.1	38
Ethylbenzene	0.620	U	0.469	0.521	75.6	84.0	25	10.0-160			10.5	38
Xylenes, Total	1.86	U	1.39	1.66	74.7	89.2	25	10.0-160			17.7	38
Naphthalene	0.620	U	0.646	0.545	104	87.9	25	10.0-160			17.0	36
Isopropylbenzene	0.620	U	0.466	0.547	75.2	88.2	25	10.0-155			16.0	38
n-Propylbenzene	0.620	U	0.354	0.379	57.1	61.1	25	10.0-158			6.82	38
1,2,4-Trimethylbenzene	0.620	U	0.389	0.445	62.7	71.8	25	10.0-160			13.4	36
1,3,5-Trimethylbenzene	0.620	U	0.328	0.400	52.9	64.5	25	10.0-160			19.8	38
Methyl tert-butyl ether	0.620	U	0.194	0.517	31.3	83.4	25	11.0-147		J3	90.9	35
1,2-Dichloroethane	0.620	U	0.258	0.554	41.6	89.4	25	10.0-148		J3	72.9	35
1,2-Dibromoethane	0.620	U	0.423	0.620	68.2	100	25	10.0-148		J3	37.8	34
Tetrachloroethene	0.620	U	0.480	0.568	77.4	91.6	25	10.0-156			16.8	39
Trichloroethene	0.620	U	0.436	0.553	70.3	89.2	25	10.0-156			23.7	38
cis-1,2-Dichloroethene	0.620	U	0.250	0.518	40.3	83.5	25	10.0-149		J3	69.8	37
trans-1,2-Dichloroethene	0.620	U	0.226	0.527	36.5	85.0	25	10.0-150		J3	79.9	37
1,1-Dichloroethene	0.620	U	0.490	0.506	79.0	81.6	25	10.0-155			3.21	37
1,1-Dichloroethane	0.620	U	0.256	0.584	41.3	94.2	25	10.0-147		J3	78.1	37
1,1,1-Trichloroethane	0.620	U	0.223	0.554	36.0	89.4	25	10.0-144		J3	85.2	35
Vinyl chloride	0.620	U	0.880	0.529	142	85.3	25	10.0-160		J3	49.8	37

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(OS) L1700815-03 02/06/24 21:29 • (MS) R4030948-4 02/07/24 02:07 • (MSD) R4030948-5 02/07/24 02:28

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 %
(S) Toluene-d8					95.3	99.6		75.0-131				
(S) 4-Bromofluorobenzene					101	107		67.0-138				
(S) 1,2-Dichloroethane-d4					49.4	102		70.0-130	J2			

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4031763-2 02/08/24 23:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,4-Dioxane	U		1.90	2.50
(S) Toluene-d8	123			75.0-131
(S) 4-Bromofluorobenzene	92.1			67.0-138
(S) 1,2-Dichloroethane-d4	80.4			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4031763-3 02/09/24 07:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dioxane	1.00	0.465	46.5	18.0-160	
(S) Toluene-d8			110	75.0-131	
(S) 4-Bromofluorobenzene			105	67.0-138	
(S) 1,2-Dichloroethane-d4			78.9	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029248-1 02/01/24 22:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	49.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4029248-2 02/01/24 22:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	28.0	56.0	50.0-150	
(S) o-Terphenyl			50.3	18.0-148	

L1700368-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700368-15 02/02/24 01:50 • (MS) R4029248-3 02/02/24 03:08 • (MSD) R4029248-4 02/02/24 03:21

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)	50.0	U	34.2	29.5	68.4	59.0	1	50.0-150			14.8	20
(S) o-Terphenyl					66.4	53.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029188-1 02/01/24 23:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	55.4			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4029188-2 02/01/24 23:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	35.4	70.8	50.0-150	
(S) o-Terphenyl			64.4	18.0-148	

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

(OS) L1700815-03 02/01/24 23:48 • (MS) R4029188-3 02/02/24 00:01 • (MSD) R4029188-4 02/02/24 00:14

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)	50.0	2.31	14.1	31.1	23.6	57.6	1	50.0-150	J6	J3	75.2	20
(S) o-Terphenyl					43.1	52.4		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029561-1 02/03/24 13:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	58.6			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4029561-2 02/03/24 14:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	29.0	58.0	50.0-150	
(S) o-Terphenyl			54.8	18.0-148	

L1700815-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-36 02/03/24 14:27 • (MS) R4029561-3 02/03/24 14:40 • (MSD) R4029561-4 02/03/24 14:53

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)	48.6	U	26.2	26.6	53.9	54.7	1	50.0-150			1.52	20
(S) o-Terphenyl					41.0	44.8		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) R4029769-1 02/01/24 20:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	92.9			10.0-135
(S) Tetrachloro-m-xylene	102			10.0-139

Laboratory Control Sample (LCS)

(LCS) R4029769-5 02/01/24 21:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.110	65.9	36.0-141	
PCB 1260	0.167	0.118	70.7	37.0-145	
(S) Decachlorobiphenyl			68.6	10.0-135	
(S) Tetrachloro-m-xylene			76.0	10.0-139	

L1700356-55 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700356-55 02/01/24 22:21 • (MS) R4029769-6 02/01/24 22:31 • (MSD) R4029769-7 02/01/24 22:41

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 %
PCB 1016	0.157	U	0.0874	0.0872	55.7	55.5	1	10.0-160			0.229	37
PCB 1260	0.157	U	0.0659	0.0681	42.0	43.4	1	10.0-160			3.28	38
(S) Decachlorobiphenyl					60.6	62.0		10.0-135				
(S) Tetrachloro-m-xylene					69.3	70.4		10.0-139				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029537-1 02/01/24 21:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	79.6			10.0-135
(S) Tetrachloro-m-xylene	91.4			10.0-139

Laboratory Control Sample (LCS)

(LCS) R4029537-2 02/01/24 22:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.136	81.4	36.0-141	
PCB 1260	0.167	0.141	84.4	37.0-145	
(S) Decachlorobiphenyl			78.7	10.0-135	
(S) Tetrachloro-m-xylene			88.9	10.0-139	

L1700815-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-05 02/01/24 22:23 • (MS) R4029537-3 02/01/24 22:31 • (MSD) R4029537-4 02/01/24 22:40

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 %
PCB 1016	0.167	U	0.139	0.129	83.2	77.2	1	10.0-160			7.46	37
PCB 1260	0.167	U	0.143	0.122	85.6	73.1	1	10.0-160			15.8	38
(S) Decachlorobiphenyl					80.2	76.9		10.0-135				
(S) Tetrachloro-m-xylene					91.6	84.1		10.0-139				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4030076-1 02/01/24 22:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	123			10.0-135
(S) Tetrachloro-m-xylene	106			10.0-139

Laboratory Control Sample (LCS)

(LCS) R4030076-2 02/01/24 22:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.133	79.6	36.0-141	
PCB 1260	0.167	0.135	80.8	37.0-145	
(S) Decachlorobiphenyl			103	10.0-135	
(S) Tetrachloro-m-xylene			87.7	10.0-139	

L1700835-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700835-15 02/02/24 01:03 • (MS) R4030076-3 02/02/24 01:13 • (MSD) R4030076-4 02/02/24 01:23

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 %
PCB 1016	0.167	U	0.549	0.533	329	319	1	10.0-160	J5 P	J5 P	2.96	37
PCB 1260	0.167	3.52	5.48	4.69	1170	701	1	10.0-160	E V	E V	15.5	38
(S) Decachlorobiphenyl					111	105		10.0-135				
(S) Tetrachloro-m-xylene					105	108		10.0-139				

L1700815-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-29 02/02/24 01:52 • (MS) R4030076-5 02/02/24 02:01 • (MSD) R4030076-6 02/02/24 02:11

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 %
PCB 1016	0.167	U	2.20	1.78	1320	1070	1	10.0-160	E J5 P	E J5 P	21.1	37
PCB 1260	0.167	U	0.339	0.334	203	200	1	10.0-160	J5	J5 P	1.49	38
(S) Decachlorobiphenyl					106	106		10.0-135				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1700815-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-29 02/02/24 01:52 • (MS) R4030076-5 02/02/24 02:01 • (MSD) R4030076-6 02/02/24 02:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) Tetrachloro-m-xylene					96.8	98.9		10.0-139				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4031673-1 02/05/24 23:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	90.5			10.0-135
(S) Tetrachloro-m-xylene	93.7			10.0-139

Laboratory Control Sample (LCS)

(LCS) R4031673-2 02/05/24 23:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.141	84.4	36.0-141	
PCB 1260	0.167	0.159	95.2	37.0-145	
(S) Decachlorobiphenyl			99.1	10.0-135	
(S) Tetrachloro-m-xylene			97.9	10.0-139	

L1701013-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701013-05 02/05/24 23:54 • (MS) R4031673-3 02/06/24 00:03 • (MSD) R4031673-4 02/06/24 00:11

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 %
PCB 1016	1.37	U	2.85	2.09	208	132	8.2	10.0-160	J5		30.8	37
PCB 1260	1.37	U	1.54	1.45	112	91.8	8.2	10.0-160			6.02	38
(S) Decachlorobiphenyl					107	77.4		10.0-135				
(S) Tetrachloro-m-xylene					91.6	78.0		10.0-139				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure. Surrogate failure due to matrix.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032346-1 02/10/24 13:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0236	0.0680
PCB 1221	U		0.0236	0.0680
PCB 1232	U		0.0236	0.0680
PCB 1242	U		0.0236	0.0680
PCB 1248	U		0.0148	0.0340
PCB 1254	U		0.0148	0.0340
PCB 1260	U		0.0148	0.0340
Total PCBs	U		0.0148	0.0340
(S) Decachlorobiphenyl	80.0			10.0-135
(S) Tetrachloro-m-xylene	81.8			10.0-139

Laboratory Control Sample (LCS)

(LCS) R4032346-2 02/10/24 13:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.156	93.4	36.0-141	
PCB 1260	0.167	0.150	89.8	37.0-145	
(S) Decachlorobiphenyl			85.9	10.0-135	
(S) Tetrachloro-m-xylene			86.5	10.0-139	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030907-2 02/01/24 23:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	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(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	103			23.0-120
(S) Nitrobenzene-d5	84.3			14.0-149
(S) 2-Fluorobiphenyl	98.4			34.0-125

Laboratory Control Sample (LCS)

(LCS) R4030907-1 02/01/24 23:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0673	84.1	50.0-120	
Anthracene	0.0800	0.0709	88.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0698	87.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0637	79.6	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0721	90.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0716	89.5	49.0-125	
Chrysene	0.0800	0.0732	91.5	49.0-122	
Fluoranthene	0.0800	0.0766	95.8	49.0-129	
Fluorene	0.0800	0.0748	93.5	49.0-120	
Pyrene	0.0800	0.0733	91.6	43.0-123	
(S) p-Terphenyl-d14			89.8	23.0-120	
(S) Nitrobenzene-d5			86.9	14.0-149	
(S) 2-Fluorobiphenyl			93.6	34.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(OS) L1700815-03 02/02/24 02:02 • (MS) R4030907-3 02/02/24 02:19 • (MSD) R4030907-4 02/02/24 02:37

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 %
Acenaphthene	0.0780	U	0.0495	0.0655	63.5	83.5	1	14.0-127		13	27.8	27
Anthracene	0.0780	U	0.0463	0.0665	59.4	84.8	1	10.0-145		13	35.8	30
Benzo(a)anthracene	0.0780	U	0.0445	0.0654	57.1	83.4	1	10.0-139		13	38.0	30
Benzo(a)pyrene	0.0780	U	0.0430	0.0633	55.1	80.7	1	10.0-141		13	38.2	31
Benzo(b)fluoranthene	0.0780	U	0.0463	0.0690	59.4	88.0	1	10.0-140		13	39.4	36
Benzo(k)fluoranthene	0.0780	U	0.0436	0.0638	55.9	81.4	1	10.0-137		13	37.6	31
Chrysene	0.0780	U	0.0491	0.0702	62.9	89.5	1	10.0-145		13	35.4	30
Fluoranthene	0.0780	U	0.0511	0.0731	65.5	93.2	1	10.0-153		13	35.4	33
Fluorene	0.0780	U	0.0526	0.0716	67.4	91.3	1	11.0-130		13	30.6	29
Pyrene	0.0780	U	0.0502	0.0725	64.4	92.5	1	10.0-148		13	36.3	35
(S) p-Terphenyl-d14					52.8	77.1		23.0-120				
(S) Nitrobenzene-d5					58.8	73.9		14.0-149				
(S) 2-Fluorobiphenyl					49.1	69.6		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029944-1 02/02/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	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(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	93.4			23.0-120
(S) Nitrobenzene-d5	65.0			14.0-149
(S) 2-Fluorobiphenyl	83.7			34.0-125

Laboratory Control Sample (LCS)

(LCS) R4029944-2 02/02/24 22:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0607	75.9	50.0-120	
Anthracene	0.0800	0.0631	78.9	50.0-126	
Benzo(a)anthracene	0.0800	0.0640	80.0	45.0-120	
Benzo(a)pyrene	0.0800	0.0707	88.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0667	83.4	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0711	88.9	49.0-125	
Chrysene	0.0800	0.0744	93.0	49.0-122	
Fluoranthene	0.0800	0.0733	91.6	49.0-129	
Fluorene	0.0800	0.0691	86.4	49.0-120	
Pyrene	0.0800	0.0647	80.9	43.0-123	
(S) p-Terphenyl-d14			78.4	23.0-120	
(S) Nitrobenzene-d5			63.9	14.0-149	
(S) 2-Fluorobiphenyl			75.3	34.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1701019-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701019-07 02/03/24 00:32 • (MS) R4029864-1 02/03/24 00:52 • (MSD) R4029864-2 02/03/24 01:12

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 %
Acenaphthene	0.0772	U	0.0711	0.0553	92.1	72.4	1	14.0-127			25.0	27
Anthracene	0.0772	U	0.0712	0.0551	92.2	72.1	1	10.0-145			25.5	30
Benzo(a)anthracene	0.0772	U	0.0748	0.0601	96.9	78.7	1	10.0-139			21.8	30
Benzo(a)pyrene	0.0772	U	0.0627	0.0566	81.2	74.1	1	10.0-141			10.2	31
Benzo(b)fluoranthene	0.0772	U	0.0731	0.0578	94.7	75.7	1	10.0-140			23.4	36
Benzo(k)fluoranthene	0.0772	U	0.0675	0.0537	87.4	70.3	1	10.0-137			22.8	31
Chrysene	0.0772	U	0.0794	0.0635	103	83.1	1	10.0-145			22.3	30
Fluoranthene	0.0772	U	0.0771	0.0617	99.9	80.8	1	10.0-153			22.2	33
Fluorene	0.0772	U	0.0809	0.0638	105	83.5	1	11.0-130			23.6	29
Pyrene	0.0772	U	0.0797	0.0633	103	82.9	1	10.0-148			22.9	35
(S) p-Terphenyl-d14					86.5	75.3		23.0-120				
(S) Nitrobenzene-d5					78.9	67.0		14.0-149				
(S) 2-Fluorobiphenyl					87.3	75.4		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

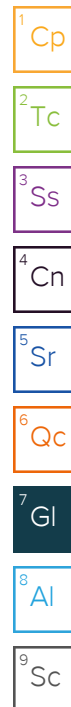
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.



GLOSSARY OF TERMS

Qualifier	Description
P	RPD between the primary and confirmatory analysis exceeded 40%.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

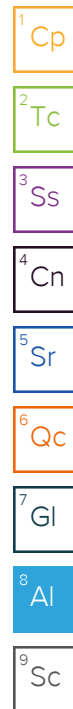
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative				Chain of Custody Page <u>2</u> of <u>6</u>	
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				 MT JULIET, TN 12065 Lebaron Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf				SDG # <u>UT00815</u> Table # Acctnum: ALTASCIBID Template: T245102 Prelogin: P1049173 PM: 841 - Kelly Mercer PB: <u>1-15-24</u> Shipped Via: FedEX Ground	
Project Description: OMSI District Road Parcels Sampling		City/State Collected: <u>Portland, OR</u>		Please Circle: ☒ MT ☐ CT ☐ ET									
Phone: 208-336-7080		Client Project # <u>22136</u>		Lab Project # ALTASCIBID-OMSI		6010 PP, Hg 2ozClr-NoPres DRO, SV8270PAHSIM 4ozClr-NoPres, 1/10TPH-4X GRO 40mlAmb/MeOH 10ml/Syr, 1/10TPH-6X SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH 10ml/Syr							
Collected by (print): <u>Brady Brantley</u>		Site/Facility ID #		P.O. #									
Collected by (signature): <u>Brady Brantley</u>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #									
Immediately Packed on Ice ☒ <u>Y</u>		Date Results Needed <u>STD TAT</u>		No. of Cntrs									
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time								
OD-BH3-SC-S'-15'	Comp	SS	5'-15'	1/23/24	0950	2	X						
OD-BH3-SC-15'-25'	Comp	SS	15'-25'	1/23/24	0955	2	X						
OD-BH4-SG-15'	Grab	SS	15'	1/23/24	1015	3		X	X		X		
OD-BH4-SC-0'-5'	Comp	SS	0'-5'	1/22/24	1540	2	X				X		
OD-BH4-SC-S'-15'	Comp	SS	5'-15'	1/23/24	1020	2	X				X		
OD-BH4-SC-15'-25'	Comp	SS	15'-25'	1/23/24	1025	2	X				X		
OD-BH5-SG-15'	Grab	SS	15'	1/23/24	1250	3		X	X		X		
OD-BH5-SC-0'-5'	Comp	SS	0'-5'	1/22/24	1600	2	X				X		
OD-BH5-SC-S'-15'	Comp	SS	5'-15'	1/23/24	1255	2	X				X		-01
OD-BH5-SC-15'-25'	Comp	SS	15'-25'	1/23/24	1300	2	X				X		-02
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: <u>Run trip blank & w/ m30 w/ our sample batch.</u> <u>Trip blank included in each cooler.</u>				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #				Trip Blank Received: ☒ Yes ☐ No HCL / MeOH TBR				If preservation required by Login: Date/Time	
Relinquished by: (Signature) <u>Brady Brantley</u>		Date: <u>1/29/24</u>		Time: <u>1500</u>		Received by: (Signature)		Temp: _____ °C		Bottles Received: <u>78</u>		Hold: _____ Condition: ☒ OK	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold: _____ Condition: ☐ OK	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) <u>Calib T49P</u>		Date: <u>1/31/24</u>		Time: <u>09:30</u>		Hold: _____ Condition: ☐ OK	

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative Pres Chk 6010 PP, Hg 2ozClr-NoPres DRO, SV8270PAHSIM 4ozClr-NoPres GRO 40mlAmb/MeOH 10ml/Syr SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH 10ml/Syr				Chain of Custody Page 4 of 6 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com ; brett.mclees@alta-se.com				SDG # 4700815 Table # Acctnum: ALTASCIBID Template: T245102 Prelogin: P1049173 PM: 841 - Kelly Mercer PB: 1-15-24 Shipped Via: FedEX Ground							
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR		Please Circle: ☒ MT ☐ CT ☐ ET											
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI											
Collected by (print): <i>Brady Brantley</i>		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed STD TAT											
Immediately Packed on Ice N ☐ Y ☒		No. of Cntrs		No. of Cntrs											
Sample ID		Comp/Grab		Matrix *											
Depth		Date		Time											
0D-BH8-SG-20'		Grab		SS 20' 1/24/24 0925 3											
0D-BH8-SL-0'-5'		Comp		SS 0'-5' 1/23/24 1110 2 X											
0D-BH8-SL-5'-15'		Comp		SS 5'-15' 1/24/24 0930 2 X											
0D-BH8-SL-15'-25'		Comp		SS 15'-25' 1/24/24 0940 2 X											
0D-BH9-SG-15'		Grab		SS 15' 1/24/24 1020 3 X X											
0D-BH9-SL-8'-5'		Comp		SS 0'-5' 1/23/24 1325 2 X											
0D-BH9-SL-5'-15'		Comp		SS 5'-15' 1/24/24 1525 2 X											
0D-BH9-SL-15'-25'		Comp		SS 15'-25' 1/24/24 1530 2 X											
0D-BH10-SG-20'		Grab		SS 20' 1/25/24 0900 3 X X											
0D-BH10-SL-0'-5'		Comp		SS 0'-5' 1/23/24 1430 2 X											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: <i>Run trip blank & trip blank w/ own sample batch. Trip blank included in each cooler.</i>													
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #													
Relinquished by: (Signature) 		Date: 1/29/24		Time: 1500											
Relinquished by: (Signature)		Date:		Time:											
Relinquished by: (Signature)		Date:		Time:											
Received by: (Signature)		Date:		Time:											
Received by: (Signature)		Date:		Time:											
Received for lab by: (Signature) <i>Calb Tapp</i>		Date: 1/31/24		Time: 09:30											
Trip Blank Received: Yes/No 2		HCL / MeOH TBR		Temp: 78											
Bottles Received: 78		If preservation required by Login: Date/Time													
Hold:		Condition: ☒ NCF ☐ OK													

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

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative Pres Chk				Chain of Custody Page 5 of 6 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf					
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com ; brett.mclees@alta-se.com				6010 PP, Hg 2ozClr-NoPres 1/25TPH-Dx 1/25TPH-Gx SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH10ml/Syr									
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR		Please Circle: ☒ PT ☐ MT ☐ CT ☐ ET													
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI													
Collected by (print): <i>Brady Brantley</i>		Site/Facility ID #		P.O. #													
Collected by (signature): <i>Brady Brantley</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # 5TD7AT													
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed 5TD7AT		No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time												
OD-BH10-SC-5'-15'	Comp	SS	5'-15'	1/25/24	8900	2	X										-21
OD-BH10-SC-15'-25'	Comp	SS	15'-25'	1/25/24	8905	2	X										-22
OD-BH11-SC-15'	Grab	SS	15'	1/24/24	1145	3		X	X		X						-23
OD-BH11-SC-0'-5'	Comp	SS	0'-5'	1/23/24	1545	2	X				X						-24
OD-BH11-SC-5'-15'	Comp	SS	5'-15'	1/24/24	1150	2	X				X						-25
OD-BH12-SC-15'	Grab	SS	15'	1/24/24	1435	3		X	X		X						-26
OD-BH12-SC-0'-5'	Comp	SS	0'-5'	1/23/24	1700	2	X				X						-27
OD-BH12-SC-5'-15'	Comp	SS	5'-15'	1/24/24	1440	2	X				X						-28
OD-BH12-SC-15'-25'	Comp	SS	15'-25'	1/24/24	1445	2	X				X						-29
OD-BH12-SC-15'-25' m3/mSD	Comp	SS	15'-25'	1/24/24	1445	2	X				X						-29
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other Remarks: Run m3/mSD + trip blank w/ our sample batch. Trip blank included in each cooler.																	
Samples returned via: ☒ UPS ☒ FedEx ☐ Courier						Tracking #						pH _____ Temp _____ Flow _____ Other _____ Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N					
Relinquished by: (Signature) <i>Brady Brantley</i>				Date: 1/24/24		Time: 1500		Received by: (Signature) 				Trip Blank Received: ☒ Yes ☐ No HCL / MeOH TBR					
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: _____ °C Bottles Received: 78		If preservation required by Login: Date/Time			
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) <i>Caleb Tapp</i>				Date: 1/31/24 Time: 09:30		Hold: _____ Condition: NCF / OK			

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative				Chain of Custody Page <u>6 of 6</u>		
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf				Pres Chk		
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR		Please Circle: ☒ AT ☐ MT ☐ CT ☐ ET										
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI										
Collected by (print): <i>Brady Brantley</i>		Site/Facility ID #		P.O. #										
Collected by (signature): <i>[Signature]</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #										
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed STD TAT		No. of Cntrs										
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time									
OD-BH13-SG-15'	Grab	SS	15'	1/24/24	1345	3	6010 PP + Hg 2ozClr-NoPres	DRO, SV8270PAHSIM 4ozClr-NoPres, NWTPH-6x	GRO 40mlAmb/MeOH10ml/Syr, NWTPH-6x	SV8082 4ozClr-NoPres	V8260AP9 40mlAmb/MeOH10ml/Syr			
OD-BH13-SG-0'-5'	Comp	SS	8'-5'	1/24/24	1150	2	X			X				
OD-BH13-SG-5'-15'	Comp	SS	5'-15'	1/24/24	1350	2	X			X				
OD-BH13-SG-15'-25'	Comp	SS	15'-25'	1/24/24	1400	2	X			X				
OD-BH15-SG-15'	Grab	SS	15'	1/23/24	1230	3	X	X		X				-30
OD-BH15-SG-5'-15'	Comp	SS	5'-15'	1/23/24	1230	2	X			X				-31
OD-BH16-SG-5'-15'	Comp	SS	5'-15'	1/24/24	1425	2	X			X				-32
Trip Blank	-	SS	-	-	-	3					X			-33
		SS												
		SS												

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other _____

Remarks: *Run us/MSD & trip blank w/ our sample batch. Trip blanks included in each cooler.*

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☒ Y ☐ N

Preservation Correct/Checked: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Samples returned via:

☐ UPS ☒ FedEx ☐ Courier _____

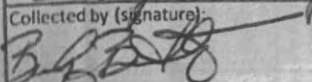
Tracking # _____

Relinquished by: (Signature) <i>Brady Brantley</i>	Date: 1/29/24	Time: 1500	Received by: (Signature)	Trip Blank Received: ☒ Yes / ☐ No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: _____ °C Bottles Received: 78
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>Caleb Tapp</i>	Date: 1/31/24 Time: 09:30 Hold: _____ Condition: ☒ NCF ☐ OK

[illegible]

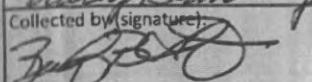
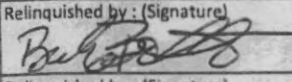
1/31/24

Date

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706		Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>			
Report to: Brady Brantley		Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com		6010 PP, Hg, 2ozClr-NoPres DRO, SV8270PAHSIM 4ozClr-NoPres / NTPH-DA GRO 40mlAmb/MeOH10ml/Syr- NWJPH-CA SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH10ml/Syr												 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pace-standard-terms.pdf			
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR														Please Circle: ☒ MT ☐ CT ☐ ET		SDG # U700815 Table # Acctnum: ALTASCIBID Template: T245102 Prelogin: P1049173 PM: 841 - Kelly Mercer PB: 1-15-24 Shipped Via: FedEX Ground	
Phone: 208-336-7080		Client Project # 22136														Lab Project # ALTASCIBID-OMSI			
Collected by (print): Brady Brantley		Site/Facility ID #														P.O. #			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # STD THH		Date Results Needed		No. of Cntrs											
Immediately Packed on Ice: N ☐ Y ☒		Sample ID		Comp/Grab		Matrix *		Depth						Date		Time			
OD-BH1-SG-15'		Grab		SS		15'		1/23/24		1330		3							
OD-BH1-SC-0'-5'		Comp		SS		0'-5'		1/22/24		1210		2							
OD-BH1-SC-5'-15'		Comp		SS		5'-15'		1/23/24		1335		2							
OD-BH1-SC-15'-25'		Comp		SS		15'-25'		1/23/24		1345		2							
OD-BH2-SG-15'		Grab		SS		15'		1/23/24		1435		3							
OD-BH2-SC-0'-5'		Comp		SS		0'-5'		1/22/24		1230		2							
OD-BH2-SC-5'-15'		Comp		SS		5'-15'		1/23/24		1440		2							
OD-BH2-SC-15'-25'		Comp		SS		15'-25'		1/23/24		1450		2							
OD-BH3-SG-15'		Grab		SS		15'		1/23/24		0945		3							
OD-BH3-SC-0'-5'		Comp		SS		0'-5'		1/22/24		1520		2							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Run trip blank & mspmsd w/ our sample batch. Trip Blank included in each cooler.										pH _____ Temp _____ Flow _____ Other _____							
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #										Trip Blank Received: ☒ Yes ☐ No HCL / MeOH TBR							
Relinquished by: (Signature) 		Date: 1/29/24		Time: 1500		Received by: (Signature)		Temp: _____ °C		Bottles Received: 78		If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) Calib Trep		Date: 1/31/24		Time: 09:30		Hold:							
Relinquished by: (Signature)		Date:		Time:		Condition: NCF / OK													

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative Pres Chk 6010 PP, Hg 2ozClr-NoPres, 1/10TPH-OL DRO, SV8270PAHSIM 4ozClr-NoPres, 1/10TPH-OL GRO 40mlAmb/MeOH10ml/Syr, 1/10TPH-OL SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH10ml/Syr				Chain of Custody Page <u>2</u> of <u>6</u>  MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf											
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				Client Project # 22136 Lab Project # ALTASCIBID-OMSI Site/Facility ID # P.O. # Quote # Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day Date Results Needed STD TAT No. of Cntrs Date Time Date Time															
Project Description: OMSI District Road Parcels Sampling				City/State Collected: Portland, OR																			
Phone: 208-336-7080				Please Circle: ☒ PS ☐ MT ☐ CT ☐ ET																			
Collected by (print): Brady Brantley				Collected by (signature): Immediately Packed on Ice ☒ ☐																			
Sample ID				Comp/Grab				Matrix *				Depth				Date				Time			
OD-BH3-SC-S'-15'				Comp				SS				5'-15'				1/23/24				0950			
OD-BH3-SC-15'-25'				Comp				SS				15'-25'				1/23/24				0955			
OD-BH4-SC-15'				Grab				SS				15'				1/23/24				1015			
OD-BH4-SC-0'-5'				Comp				SS				0'-5'				1/22/24				1540			
OD-BH4-SC-S'-15'				Comp				SS				5'-15'				1/23/24				1020			
OD-BH4-SC-15'-25'				Comp				SS				15'-25'				1/23/24				1025			
OD-BH5-SC-15'				Grab				SS				15'				1/23/24				1250			
OD-BH5-SC-0'-5'				Comp				SS				0'-5'				1/22/24				1600			
OD-BH5-SC-S'-15'				Comp				SS				5'-15'				1/23/24				1255			
OD-BH5-SC-15'-25'				Comp				SS				15'-25'				1/23/24				1300			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Run trip blank & mslmsd w/ our sample batch. Trip blank included in each cooler.				pH _____ Temp _____ Flow _____ Other _____				Samples returned via: ☒ UPS ☐ FedEx ☐ Courier				Tracking #							
Relinquished by: (Signature) Brady Brantley				Date: 1/29/24				Time: 1500				Received by: (Signature) 				Trip Blank Received: ☒ Yes ☐ No HCL / MeOH TBR							
Relinquished by: (Signature) 				Date: 				Time: 				Received by: (Signature) 				Temp: _____ °C Bottles Received: 78							
Relinquished by: (Signature) 				Date: 				Time: 				Received for lab by: (Signature) Calib Tapp				Date: 1/31/24				Time: 09:30			
Hold:				Condition: ☒ OK																			

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative				Chain of Custody Page <u>3</u> of <u>9</u>					
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				 MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/truth/pas-standard-terms.pdf				 MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/truth/pas-standard-terms.pdf					
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR		Please Circle: ☒ MT ☐ CT ☐ ET													
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI													
Collected by (print): <i>Brady Brantley</i>		Site/Facility ID #		P.O. #		Quote #		6010 PP, Hg 2ozClr-NoPres		DRO, SV8270PAHSIM 4ozClr-NoPres, <i>NWTPH-LX</i>		GRO 40mlAmb/MeOH 10ml/Syr, <i>NWTPH-LX</i>		SV8082 4ozClr-NoPres		V8260AP9 40mlAmb/MeOH 10ml/Syr	
Collected by (signature): <i>Brady Brantley</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Date Results Needed 5TD TAT		No. of Cntrs											
Immediately Packed on Ice ☐ N ☒ Y																	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time											
• OD-BH6-SC-15'		Grab	SS	15'	1/23/24	1530	3										
• OD-BH6-SC-15', MS/MSD		Grab	SS	15'	1/23/24	1530	3										
• OD-BH6-SC-0'-5'		Comp	SS	0'-5'	1/22/24	1415	2										
• OD-BH6-SC-10'-15'		Comp	SS	10'-15'	1/23/24	1540	2										
• OD-BH6-SC-10'-15', MS/MSD		Comp	SS	10'-15'	1/23/24	1540	2										
• OD-BH6-SC-15'-25'		Comp	SS	15'-25'	1/23/24	1550	2										
• OD-BH7-SG-15'		Grab	SS	15'	1/23/24	1600	3										
• OD-BH7-SC-0'-5'		Comp	SS	0'-5'	1/22/24	1435	2										
• OD-BH7-SC-5'-15'		Comp	SS	5'-15'	1/23/24	1605	2										
• OD-BH7-SC-15'-25'		Comp	SS	15'-25'	1/23/24	1610	2										
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Remarks: <i>Run MS/MSD + Trip Blank w/ our sample batch. Trip blank included w/ each cooler</i>		pH _____ Temp _____ Flow _____ Other _____		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		Trip Blank Received: ☒ Yes ☐ No HCL/MeOH TBR		Bottles Received: 78		If preservation required by Login: Date/Time		Condition: ☒ NCF ☐ OK	
Relinquished by: (Signature) <i>Brady Brantley</i>		Date: 1/24/24		Time: 1500		Received by: (Signature)		Trip Blank Received: 2		Bottles Received: 78		If preservation required by Login: Date/Time		Condition: ☒ NCF ☐ OK			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Trip Blank Received:		Bottles Received:		If preservation required by Login: Date/Time		Condition:			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Trip Blank Received:		Bottles Received:		If preservation required by Login: Date/Time		Condition:			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Trip Blank Received:		Bottles Received:		If preservation required by Login: Date/Time		Condition:			

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative Pres Chk 6010 PP, Hg 2ozClr-NoPres DRO, SV8270PAHSIM 4ozClr-NoPres GRO 40mlAmb/MeOH10ml/Syr SV8082 4ozClr-NoPres V8260AP9 40mlAmb/MeOH10ml/Syr				Chain of Custody Page 4 of 6  MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/rubric/pas-standard-terms.pdf			
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com											
Project Description: OMSI District Road Parcels Sampling				City/State Collected: Portland, OR		Please Circle: ☒ MT ☐ CT ☐ ET									
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI											
Collected by (print): <i>Brady Brantley</i>		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed STD TMT		No. of Cntrs							
Immediately Packed on Ice N ☐ Y ☒		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Remarks: Run trip blank + used w/ own sample batch. Trip blank included in each cooler.													
Relinquished by: (Signature) 		Date: 1/29/24		Time: 1500		Received by: (Signature)		Trip Blank Received: ☒ YES / No HCL / MeOH TBR		pH _____ Temp _____ Flow _____ Other _____					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received: 78		If preservation required by Login: Date/Time			
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) Caleb Tapp		Date: 1/31/24		Time: 09:30		Hold:		Condition: ☒ NCF ☐ OK	

Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706						Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843						Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 5 of 6	
Report to: Brady Brantley						Email To: brady.brantley@alta-se.com; brett.mclees@alta-																 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standards-terms.pdf			
Project Description: OMSI District Road Parcels Sampling						City/State Collected: Portland, OR		Please Circle: PT MT CT ET																	
Phone: 208-336-7080		Client Project # 22136				Lab Project # ALTASCIBID-OMSI														SDG # L700815					
Collected by (print): Brady Brantley		Site/Facility ID #				P.O. #														Table #					
Collected by (signature):		Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____				Quote #														Acctnum: ALTASCIBID					
Immediately Packed on Ice N <u> </u> Y <u>X</u>		Date Results Needed STD TAT				No. of Cntrs														Template: T245102					
																				Prelogin: P1049173					
																				PM: 841 - Kelly Mercer					
																				PB: 1-15-24					
																				Shipped Via: FedEx Ground					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs											Remarks	Sample # (lab only)							
OD-BH10-SC-5'-15'	Comp	SS	5'-15'	1/25/24	8900	2	X									-21									
OD-BH10-SC-15'-25'	Comp	SS	15'-25'	1/25/24	8905	2	X									-22									
OD-BH11-SC-15'	Grab	SS	15'	1/24/24	1145	3		X	X			X				-23									
OD-BH11-SC-0'-5'	Comp	SS	0'-5'	1/23/24	1545	2	X					X				-24									
OD-BH11-SC-5'-15'	Comp	SS	5'-15'	1/24/24	1150	2	X					X				-25									
OD-BH12-SC-15'	Grab	SS	15'	1/24/24	1435	3		X	X			X				-26									
OD-BH12-SC-0'-5'	Comp	SS	0'-5'	1/23/24	1700	2	X					X				-27									
OD-BH12-SC-5'-15'	Comp	SS	5'-15'	1/24/24	1440	2	X					X				-28									
OD-BH12-SC-15'-25'	Comp	SS	15'-25'	1/24/24	1445	2	X					X				-29									
OD-BH12-SC-15'-25' m3/m5D	Comp	SS	15'-25'	1/24/24	1445	2	X					X			m3/m5D	-29									
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other						Remarks: Run m3/m5D + trip blank w/ our sample batch. Trip blank included in each cooler. Samples returned via: UPS <u>X</u> FedEx Courier Tracking #						pH Temp Flow Other						Sample Receipt Checklist COC Seal Present/Intact: NP Y N COC Signed/Accurate: X N Bottles arrive intact: X N Correct bottles used: X N Sufficient volume sent: X N If Applicable VOA Zero Headspace: Y N Preservation Correct/Checked: Y N RAD Screen <0.5 mR/hr: X N							
Relinquished by: (Signature)		Date: 1/29/24		Time: 1500		Received by: (Signature)		Trip Blank Received: Yes No		Temp: °C		Bottles Received: 78		If preservation required by Login: Date/Time											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		Condition: NCF OK													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date: 1/31/24		Time: 09:30															

1/31-NCF-L1700815 ALTASCIBID

R5

Time estimate: oh

Time spent: oh

Members

 Hailey Robertson (responsible)  KM Kelly Mercer

Due on 3 February 2024 8:00 AM for target Done

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

Hailey Robertson	31 January 2024 5:07 PM
Missing IDs: OD-BH1-SG-15, OD-BH1-SC-0-5, 5-15, 15-25, ODBH2-SG-15, ODBH2-SC-0-5, 5-15, 15-25, OD-BH3-SG-15, OD-BH3-SC-0-5, 5-15, 15-25, OD-BH4-SG-15, OD-BH4-SC-0-5, 5-15, 15-25, OD-BH5-SG-15, OD-BH-5-SC-0-5, OD-BH13-SG-15, OD-BH13-SC-0-5, 5-15, 15-25	
Kelly Mercer	1 February 2024 10:50 AM
Other cooler en route: 712333105074	
Hailey Robertson	1 February 2024 1:54 PM
Samples received and added.	

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1700940
Samples Received: 01/31/2024
Project Number: 22136
Description: OMSI District Road Parcels Sampling

Report To: Sarah Weppner
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



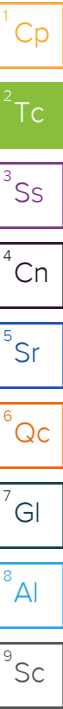
Kelly Mercer
Project Manager

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

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

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SAMPLE SUMMARY

OD-RC1-WS-SC-6" L1700940-01 Solid

Collected by
Bradley B

Collected date/time
01/22/24 11:15

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2219236	1	02/03/24 16:36	02/03/24 16:50	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2218364	1	02/03/24 20:32	02/05/24 10:02	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218676	1	02/02/24 12:50	02/03/24 18:05	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 03:52	JRM	Mt. Juliet, TN

OD-RC2-WS-SC-6" L1700940-02 Solid

Collected by
Bradley B

Collected date/time
01/22/24 11:20

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2219236	1	02/03/24 16:36	02/03/24 16:50	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2218364	1	02/03/24 20:32	02/05/24 11:03	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218676	1	02/02/24 12:50	02/03/24 18:17	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 05:30	MKM	Mt. Juliet, TN

OD-RC3-WS-SC-6" L1700940-03 Solid

Collected by
Bradley B

Collected date/time
01/22/24 11:40

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2219236	1	02/03/24 16:36	02/03/24 16:50	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 14:53	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218676	1	02/02/24 12:50	02/03/24 18:22	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 05:11	MKM	Mt. Juliet, TN

OD-RC4-WS-SC-6" L1700940-04 Solid

Collected by
Bradley B

Collected date/time
01/22/24 12:15

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2219236	1	02/03/24 16:36	02/03/24 16:50	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 14:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218676	1	02/02/24 12:50	02/03/24 18:23	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 03:33	JRM	Mt. Juliet, TN

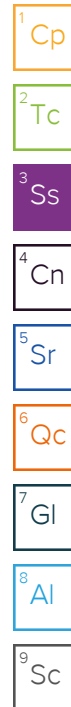
OD-RC5-WS-SC-6" L1700940-05 Solid

Collected by
Bradley B

Collected date/time
01/22/24 12:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2219236	1	02/03/24 16:36	02/03/24 16:50	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2218363	1	02/03/24 20:22	02/05/24 14:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218676	1	02/02/24 12:50	02/03/24 18:25	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 04:51	JRM	Mt. Juliet, TN

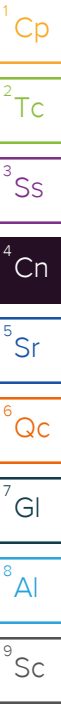


CASE NARRATIVE

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



Kelly Mercer
Project Manager



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	02/03/2024 16:50	WG2219236

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0369	J	0.0180	0.0400	1	02/05/2024 10:02	WG2218364

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.57	J	0.544	2.00	1	02/03/2024 18:05	WG2218676
Arsenic	4.56		0.518	2.00	1	02/03/2024 18:05	WG2218676
Beryllium	U		0.0315	0.200	1	02/03/2024 18:05	WG2218676
Cadmium	0.201	J	0.0471	0.500	1	02/03/2024 18:05	WG2218676
Chromium	10.9		0.133	1.00	1	02/03/2024 18:05	WG2218676
Copper	42.7		0.400	2.00	1	02/03/2024 18:05	WG2218676
Lead	21.7		0.208	0.500	1	02/03/2024 18:05	WG2218676
Nickel	12.3		0.132	2.00	1	02/03/2024 18:05	WG2218676
Selenium	0.935	J	0.764	2.00	1	02/03/2024 18:05	WG2218676
Silver	U		0.127	1.00	1	02/03/2024 18:05	WG2218676
Thallium	U		0.394	2.00	1	02/03/2024 18:05	WG2218676
Zinc	47.9		0.832	5.00	1	02/03/2024 18:05	WG2218676

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 03:52	WG2218523
Anthracene	0.0137		0.00230	0.00600	1	02/03/2024 03:52	WG2218523
Benzo(a)anthracene	0.0639	J3 J5	0.00173	0.00600	1	02/03/2024 03:52	WG2218523
Benzo(a)pyrene	0.122	J3 J5	0.00179	0.00600	1	02/03/2024 03:52	WG2218523
Benzo(b)fluoranthene	0.0968	J3 J5	0.00153	0.00600	1	02/03/2024 03:52	WG2218523
Benzo(k)fluoranthene	0.0318		0.00215	0.00600	1	02/03/2024 03:52	WG2218523
Chrysene	0.0557	J3 J5	0.00232	0.00600	1	02/03/2024 03:52	WG2218523
Fluoranthene	0.110	J3 J5	0.00227	0.00600	1	02/03/2024 03:52	WG2218523
Fluorene	U		0.00205	0.00600	1	02/03/2024 03:52	WG2218523
Pyrene	0.134	J3 J5	0.00200	0.00600	1	02/03/2024 03:52	WG2218523
(S) p-Terphenyl-d14	89.6			23.0-120		02/03/2024 03:52	WG2218523
(S) Nitrobenzene-d5	94.2			14.0-149		02/03/2024 03:52	WG2218523
(S) 2-Fluorobiphenyl	82.9			34.0-125		02/03/2024 03:52	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	02/03/2024 16:50	WG2219236

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0254	J	0.0180	0.0400	1	02/05/2024 11:03	WG2218364

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	0.707	J	0.544	2.00	1	02/03/2024 18:17	WG2218676
Arsenic	4.73		0.518	2.00	1	02/03/2024 18:17	WG2218676
Beryllium	0.288		0.0315	0.200	1	02/03/2024 18:17	WG2218676
Cadmium	0.327	J	0.0471	0.500	1	02/03/2024 18:17	WG2218676
Chromium	8.70		0.133	1.00	1	02/03/2024 18:17	WG2218676
Copper	7.51		0.400	2.00	1	02/03/2024 18:17	WG2218676
Lead	9.45		0.208	0.500	1	02/03/2024 18:17	WG2218676
Nickel	7.30		0.132	2.00	1	02/03/2024 18:17	WG2218676
Selenium	0.972	J	0.764	2.00	1	02/03/2024 18:17	WG2218676
Silver	0.777	J	0.127	1.00	1	02/03/2024 18:17	WG2218676
Thallium	U		0.394	2.00	1	02/03/2024 18:17	WG2218676
Zinc	32.0		0.832	5.00	1	02/03/2024 18:17	WG2218676

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 05:30	WG2218523
Anthracene	0.00799		0.00230	0.00600	1	02/03/2024 05:30	WG2218523
Benzo(a)anthracene	0.0179		0.00173	0.00600	1	02/03/2024 05:30	WG2218523
Benzo(a)pyrene	0.0503		0.00179	0.00600	1	02/03/2024 05:30	WG2218523
Benzo(b)fluoranthene	0.0363		0.00153	0.00600	1	02/03/2024 05:30	WG2218523
Benzo(k)fluoranthene	0.00750		0.00215	0.00600	1	02/03/2024 05:30	WG2218523
Chrysene	0.0137		0.00232	0.00600	1	02/03/2024 05:30	WG2218523
Fluoranthene	0.0215		0.00227	0.00600	1	02/03/2024 05:30	WG2218523
Fluorene	U		0.00205	0.00600	1	02/03/2024 05:30	WG2218523
Pyrene	0.0275		0.00200	0.00600	1	02/03/2024 05:30	WG2218523
(S) p-Terphenyl-d14	86.4			23.0-120		02/03/2024 05:30	WG2218523
(S) Nitrobenzene-d5	92.8			14.0-149		02/03/2024 05:30	WG2218523
(S) 2-Fluorobiphenyl	77.0			34.0-125		02/03/2024 05:30	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	02/03/2024 16:50	WG2219236

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0180	0.0400	1	02/05/2024 14:53	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.47	J	0.544	2.00	1	02/03/2024 18:22	WG2218676
Arsenic	2.81		0.518	2.00	1	02/03/2024 18:22	WG2218676
Beryllium	U		0.0315	0.200	1	02/03/2024 18:22	WG2218676
Cadmium	0.162	J	0.0471	0.500	1	02/03/2024 18:22	WG2218676
Chromium	9.15		0.133	1.00	1	02/03/2024 18:22	WG2218676
Copper	22.6		0.400	2.00	1	02/03/2024 18:22	WG2218676
Lead	11.3		0.208	0.500	1	02/03/2024 18:22	WG2218676
Nickel	9.87		0.132	2.00	1	02/03/2024 18:22	WG2218676
Selenium	U		0.764	2.00	1	02/03/2024 18:22	WG2218676
Silver	0.155	J	0.127	1.00	1	02/03/2024 18:22	WG2218676
Thallium	U		0.394	2.00	1	02/03/2024 18:22	WG2218676
Zinc	43.1		0.832	5.00	1	02/03/2024 18:22	WG2218676

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 05:11	WG2218523
Anthracene	0.0118		0.00230	0.00600	1	02/03/2024 05:11	WG2218523
Benzo(a)anthracene	0.0224		0.00173	0.00600	1	02/03/2024 05:11	WG2218523
Benzo(a)pyrene	0.0379		0.00179	0.00600	1	02/03/2024 05:11	WG2218523
Benzo(b)fluoranthene	0.0371		0.00153	0.00600	1	02/03/2024 05:11	WG2218523
Benzo(k)fluoranthene	0.00812		0.00215	0.00600	1	02/03/2024 05:11	WG2218523
Chrysene	0.0238		0.00232	0.00600	1	02/03/2024 05:11	WG2218523
Fluoranthene	0.0419		0.00227	0.00600	1	02/03/2024 05:11	WG2218523
Fluorene	U		0.00205	0.00600	1	02/03/2024 05:11	WG2218523
Pyrene	0.0396		0.00200	0.00600	1	02/03/2024 05:11	WG2218523
(S) p-Terphenyl-d14	87.3			23.0-120		02/03/2024 05:11	WG2218523
(S) Nitrobenzene-d5	88.9			14.0-149		02/03/2024 05:11	WG2218523
(S) 2-Fluorobiphenyl	79.3			34.0-125		02/03/2024 05:11	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	02/03/2024 16:50	WG2219236

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0299	J	0.0180	0.0400	1	02/05/2024 14:56	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.87	J	0.544	2.00	1	02/03/2024 18:23	WG2218676
Arsenic	4.01		0.518	2.00	1	02/03/2024 18:23	WG2218676
Beryllium	U		0.0315	0.200	1	02/03/2024 18:23	WG2218676
Cadmium	0.141	J	0.0471	0.500	1	02/03/2024 18:23	WG2218676
Chromium	8.44		0.133	1.00	1	02/03/2024 18:23	WG2218676
Copper	22.5		0.400	2.00	1	02/03/2024 18:23	WG2218676
Lead	16.1		0.208	0.500	1	02/03/2024 18:23	WG2218676
Nickel	10.3		0.132	2.00	1	02/03/2024 18:23	WG2218676
Selenium	U		0.764	2.00	1	02/03/2024 18:23	WG2218676
Silver	U		0.127	1.00	1	02/03/2024 18:23	WG2218676
Thallium	U		0.394	2.00	1	02/03/2024 18:23	WG2218676
Zinc	44.8		0.832	5.00	1	02/03/2024 18:23	WG2218676

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acenaphthene	0.00322	J	0.00209	0.00600	1	02/03/2024 03:33	WG2218523
Anthracene	0.196		0.00230	0.00600	1	02/03/2024 03:33	WG2218523
Benzo(a)anthracene	0.192		0.00173	0.00600	1	02/03/2024 03:33	WG2218523
Benzo(a)pyrene	0.247		0.00179	0.00600	1	02/03/2024 03:33	WG2218523
Benzo(b)fluoranthene	0.417		0.00153	0.00600	1	02/03/2024 03:33	WG2218523
Benzo(k)fluoranthene	0.131		0.00215	0.00600	1	02/03/2024 03:33	WG2218523
Chrysene	0.270		0.00232	0.00600	1	02/03/2024 03:33	WG2218523
Fluoranthene	0.343		0.00227	0.00600	1	02/03/2024 03:33	WG2218523
Fluorene	0.00683		0.00205	0.00600	1	02/03/2024 03:33	WG2218523
Pyrene	0.284		0.00200	0.00600	1	02/03/2024 03:33	WG2218523
(S) p-Terphenyl-d14	87.9			23.0-120		02/03/2024 03:33	WG2218523
(S) Nitrobenzene-d5	83.4			14.0-149		02/03/2024 03:33	WG2218523
(S) 2-Fluorobiphenyl	76.6			34.0-125		02/03/2024 03:33	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	02/03/2024 16:50	WG2219236

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.0227	J	0.0180	0.0400	1	02/05/2024 14:58	WG2218363

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.57	J	0.544	2.00	1	02/03/2024 18:25	WG2218676
Arsenic	2.77		0.518	2.00	1	02/03/2024 18:25	WG2218676
Beryllium	U		0.0315	0.200	1	02/03/2024 18:25	WG2218676
Cadmium	0.111	J	0.0471	0.500	1	02/03/2024 18:25	WG2218676
Chromium	6.53		0.133	1.00	1	02/03/2024 18:25	WG2218676
Copper	96.3		0.400	2.00	1	02/03/2024 18:25	WG2218676
Lead	27.2		0.208	0.500	1	02/03/2024 18:25	WG2218676
Nickel	17.4		0.132	2.00	1	02/03/2024 18:25	WG2218676
Selenium	0.833	J	0.764	2.00	1	02/03/2024 18:25	WG2218676
Silver	U		0.127	1.00	1	02/03/2024 18:25	WG2218676
Thallium	U		0.394	2.00	1	02/03/2024 18:25	WG2218676
Zinc	34.2		0.832	5.00	1	02/03/2024 18:25	WG2218676

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 04:51	WG2218523
Anthracene	0.00900		0.00230	0.00600	1	02/03/2024 04:51	WG2218523
Benzo(a)anthracene	0.0442		0.00173	0.00600	1	02/03/2024 04:51	WG2218523
Benzo(a)pyrene	0.0615		0.00179	0.00600	1	02/03/2024 04:51	WG2218523
Benzo(b)fluoranthene	0.0536		0.00153	0.00600	1	02/03/2024 04:51	WG2218523
Benzo(k)fluoranthene	0.0178		0.00215	0.00600	1	02/03/2024 04:51	WG2218523
Chrysene	0.0403		0.00232	0.00600	1	02/03/2024 04:51	WG2218523
Fluoranthene	0.0315		0.00227	0.00600	1	02/03/2024 04:51	WG2218523
Fluorene	U		0.00205	0.00600	1	02/03/2024 04:51	WG2218523
Pyrene	0.0363		0.00200	0.00600	1	02/03/2024 04:51	WG2218523
(S) p-Terphenyl-d14	93.1			23.0-120		02/03/2024 04:51	WG2218523
(S) Nitrobenzene-d5	97.0			14.0-149		02/03/2024 04:51	WG2218523
(S) 2-Fluorobiphenyl	87.9			34.0-125		02/03/2024 04:51	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029851-1 02/03/24 16:50

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1700940-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1700940-01 02/03/24 16:50 • (DUP) R4029851-3 02/03/24 16:50

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	88.5	86.3	1	2.58		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4029851-2 02/03/24 16:50

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

⁹Sc

Method Blank (MB)

(MB) R4029986-1 02/05/24 12:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4029986-2 02/05/24 12:56

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.537	107	80.0-120	

L1700815-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700815-05 02/05/24 12:59 • (MS) R4029986-3 02/05/24 13:01 • (MSD) R4029986-4 02/05/24 13:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0269	0.500	0.665	94.7	128	1	75.0-125		J3 J5	28.3	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030007-1 02/05/24 09:57

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4030007-2 02/05/24 10:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.589	118	80.0-120	

L1700940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700940-01 02/05/24 10:02 • (MS) R4030007-3 02/05/24 10:04 • (MSD) R4030007-4 02/05/24 10:07

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0369	0.547	0.536	102	99.8	1	75.0-125			2.12	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029559-1 02/03/24 18:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Zinc	U		0.832	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029559-2 02/03/24 18:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	91.8	91.8	80.0-120	
Arsenic	100	89.7	89.7	80.0-120	
Beryllium	100	94.5	94.5	80.0-120	
Cadmium	100	90.8	90.8	80.0-120	
Chromium	100	93.3	93.3	80.0-120	
Copper	100	95.9	95.9	80.0-120	
Lead	100	90.1	90.1	80.0-120	
Nickel	100	86.5	86.5	80.0-120	
Selenium	100	89.4	89.4	80.0-120	
Silver	20.0	17.8	89.1	80.0-120	
Thallium	100	93.1	93.1	80.0-120	
Zinc	100	90.1	90.1	80.0-120	

L1700940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700940-01 02/03/24 18:05 • (MS) R4029559-5 02/03/24 18:10 • (MSD) R4029559-6 02/03/24 18:12

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 %
Antimony	100	1.57	79.5	79.9	77.9	78.4	1	75.0-125			0.540	20
Arsenic	100	4.56	96.4	94.5	91.9	90.0	1	75.0-125			2.02	20
Beryllium	100	U	95.6	95.6	95.6	95.6	1	75.0-125			0.000722	20

L1700940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700940-01 02/03/24 18:05 • (MS) R4029559-5 02/03/24 18:10 • (MSD) R4029559-6 02/03/24 18:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cadmium	100	0.201	93.7	92.6	93.5	92.4	1	75.0-125			1.22	20
Chromium	100	10.9	104	105	93.3	93.8	1	75.0-125			0.453	20
Copper	100	42.7	138	133	95.6	90.8	1	75.0-125			3.57	20
Lead	100	21.7	117	115	95.4	93.5	1	75.0-125			1.64	20
Nickel	100	12.3	106	105	93.3	93.1	1	75.0-125			0.194	20
Selenium	100	0.935	96.7	95.4	95.7	94.5	1	75.0-125			1.32	20
Silver	20.0	U	18.2	18.0	91.0	90.1	1	75.0-125			0.955	20
Thallium	100	U	93.7	93.5	93.7	93.5	1	75.0-125			0.193	20
Zinc	100	47.9	139	137	91.4	89.3	1	75.0-125			1.52	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4030391-2 02/02/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	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(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	95.3			23.0-120
(S) Nitrobenzene-d5	81.8			14.0-149
(S) 2-Fluorobiphenyl	82.4			34.0-125

Laboratory Control Sample (LCS)

(LCS) R4030391-1 02/02/24 21:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0718	89.8	50.0-120	
Anthracene	0.0800	0.0788	98.5	50.0-126	
Benzo(a)anthracene	0.0800	0.0843	105	45.0-120	
Benzo(a)pyrene	0.0800	0.0748	93.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0825	103	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0806	101	49.0-125	
Chrysene	0.0800	0.0841	105	49.0-122	
Fluoranthene	0.0800	0.0816	102	49.0-129	
Fluorene	0.0800	0.0845	106	49.0-120	
Pyrene	0.0800	0.0825	103	43.0-123	
(S) p-Terphenyl-d14			97.4	23.0-120	
(S) Nitrobenzene-d5			100	14.0-149	
(S) 2-Fluorobiphenyl			88.0	34.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1700940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700940-01 02/03/24 03:52 • (MS) R4030391-3 02/03/24 04:12 • (MSD) R4030391-4 02/03/24 04:31

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 %
Acenaphthene	0.0760	U	0.0712	0.0763	93.7	100	1	14.0-127			6.92	27
Anthracene	0.0760	0.0137	0.110	0.124	127	145	1	10.0-145			12.0	30
Benzo(a)anthracene	0.0760	0.0639	0.203	0.281	183	286	1	10.0-139	J5	J3 J5	32.2	30
Benzo(a)pyrene	0.0760	0.122	0.236	0.342	150	289	1	10.0-141	J5	J3 J5	36.7	31
Benzo(b)fluoranthene	0.0760	0.0968	0.185	0.278	116	238	1	10.0-140		J3 J5	40.2	36
Benzo(k)fluoranthene	0.0760	0.0318	0.113	0.135	107	136	1	10.0-137			17.7	31
Chrysene	0.0760	0.0557	0.186	0.266	171	277	1	10.0-145	J5	J3 J5	35.4	30
Fluoranthene	0.0760	0.110	0.251	0.388	186	366	1	10.0-153	J5	J3 J5	42.9	33
Fluorene	0.0760	U	0.0876	0.0947	112	121	1	11.0-130			7.79	29
Pyrene	0.0760	0.134	0.266	0.425	174	383	1	10.0-148	J5	J3 J5	46.0	35
(S) p-Terphenyl-d14					83.0	91.0		23.0-120				
(S) Nitrobenzene-d5					90.8	90.2		14.0-149				
(S) 2-Fluorobiphenyl					79.5	79.2		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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

J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

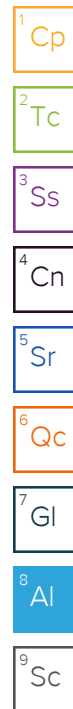
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843				Analysis / Container / Preservative 6010 PP + Hg 20zClr-NoPres, 6010D SV8270PAHSIM 40zClr-NoPres, 8270C				Chain of Custody Page <u>1</u> of <u>1</u> MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf																																																																																																																																																									
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				Pres Chk																																																																																																																																																													
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Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI																																																																																																																																																																	
Collected by (print): Brady Brantley		Site/Facility ID #		P.O. #																																																																																																																																																																	
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* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Run ms/msd w/ our sample batch.				pH _____ Temp _____ Flow _____ Other _____																																																																																																																																																													
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking # 7210 21089618				Trip Blank Received: Yes ☒ No ☐ HCL/MeOH TBR																																																																																																																																																													
Relinquished by: (Signature) 		Date: 1/29/23		Time: 1500		Received by: (Signature)		Temp: °C 11.5		Bottles Received: 12																																																																																																																																																											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		If preservation required by Login: Date/Time																																																																																																																																																													
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 1/31/24 Time: 0930		Hold: Condition: NCH / OK																																																																																																																																																											

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



ANALYTICAL REPORT

March 12, 2024

Revised Report

Eastern Research Group Inc- Concord, MA

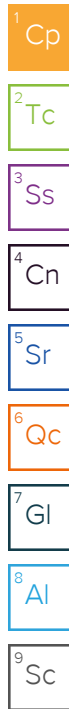
Sample Delivery Group: L1699398
Samples Received: 01/26/2024
Project Number: 22136
Description: OMSI District Road Parcels Sampling

Report To: Sarah Weppner
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:

Kelly Mercer
Project Manager

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



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

22136

SDG:

L1699398

DATE/TIME:

03/12/24 13:41

PAGE:

1 of 34

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

SAMPLE SUMMARY

OD-TMW-1 L1699398-01 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 09:20

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 19:58	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:43	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219548	1	02/04/24 05:31	02/04/24 05:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 18:39	01/27/24 18:39	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	1	01/31/24 11:53	02/04/24 15:46	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 19:42	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 06:12	JRM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

OD-TMW-2 L1699398-02 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 10:50

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 19:48	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:32	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219548	1	02/04/24 05:54	02/04/24 05:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 19:00	01/27/24 19:00	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	1	01/31/24 11:53	02/04/24 16:07	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 19:53	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 06:30	JRM	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

OD-TMW-3 L1699398-03 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 13:35

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 20:05	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:45	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219548	1	02/04/24 06:16	02/04/24 06:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 19:21	01/27/24 19:21	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	2	01/31/24 11:53	02/04/24 16:27	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 20:23	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 07:24	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	02/06/24 04:54	MKM	Mt. Juliet, TN

Collected by
Brady Brantley

Collected date/time
01/24/24 11:55

Received date/time
01/26/24 09:00

OD-TMW-4 L1699398-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 20:07	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:20	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219548	1	02/04/24 06:39	02/04/24 06:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 19:42	01/27/24 19:42	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	2	01/31/24 11:53	02/04/24 16:48	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 20:33	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 07:41	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	02/06/24 05:12	MKM	Mt. Juliet, TN

SAMPLE SUMMARY

OD-TMW-5 L1699398-05 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 15:30

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 20:10	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:22	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219559	1	02/04/24 12:42	02/04/24 12:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 20:03	01/27/24 20:03	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	1	01/31/24 11:53	02/04/24 17:09	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 20:44	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 07:59	JRM	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

OD-TMW-6 L1699398-06 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 08:30

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2214489	1	01/28/24 10:34	01/28/24 20:12	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2214979	1	01/29/24 16:19	01/29/24 22:24	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2219559	1	02/04/24 13:06	02/04/24 13:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 20:24	01/27/24 20:24	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2216654	1	01/31/24 11:53	02/04/24 17:30	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2214421	1	01/27/24 10:37	01/27/24 20:54	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2214791	1	01/30/24 18:31	01/31/24 08:17	JRM	Mt. Juliet, TN

TRIP BLANK L1699398-07 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 00:00

Received date/time
01/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2214559	1	01/27/24 14:15	01/27/24 14:15	GLN	Mt. Juliet, TN

CASE NARRATIVE

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



Kelly Mercer
Project Manager

Report Revision History

Level II Report - Version 1: 02/12/24 15:48
Level II Report - Version 2: 02/13/24 10:06

Project Narrative

EDD



Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	01/28/2024 19:58	WG2214489

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:43	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:43	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:43	WG2214979
Cadmium	U		0.000479	0.00200	1	01/29/2024 22:43	WG2214979
Chromium	U		0.00140	0.0100	1	01/29/2024 22:43	WG2214979
Copper	U		0.00368	0.0100	1	01/29/2024 22:43	WG2214979
Lead	U		0.00299	0.00600	1	01/29/2024 22:43	WG2214979
Nickel	U		0.00161	0.0100	1	01/29/2024 22:43	WG2214979
Selenium	U		0.00735	0.0100	1	01/29/2024 22:43	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:43	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:43	WG2214979
Zinc	U		0.00652	0.0500	1	01/29/2024 22:43	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/04/2024 05:31	WG2219548
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/04/2024 05:31	WG2219548

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 18:39	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 18:39	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 18:39	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 18:39	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 18:39	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 18:39	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 18:39	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 18:39	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 18:39	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 18:39	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 18:39	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 18:39	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 18:39	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 18:39	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 18:39	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 18:39	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 18:39	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 18:39	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 18:39	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 18:39	WG2214559
1,4-Dioxane	U		0.0360	0.100	1	01/27/2024 18:39	WG2214559
(S) Toluene-d8	99.0			80.0-120		01/27/2024 18:39	WG2214559
(S) 4-Bromofluorobenzene	97.8			77.0-126		01/27/2024 18:39	WG2214559
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		01/27/2024 18:39	WG2214559

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.0667	0.200	1	02/04/2024 15:46	WG2216654
Residual Range Organics (RRO)	U		0.0833	0.250	1	02/04/2024 15:46	WG2216654
(S) o-Terphenyl	70.5			52.0-156		02/04/2024 15:46	WG2216654

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 19:42	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 19:42	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 19:42	WG2214421
(S) Decachlorobiphenyl	37.8			10.0-128		01/27/2024 19:42	WG2214421
(S) Tetrachloro-m-xylene	76.2			10.0-127		01/27/2024 19:42	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	0.0000709		0.0000190	0.0000500	1	01/31/2024 06:12	WG2214791
Acenaphthene	U		0.0000190	0.0000500	1	01/31/2024 06:12	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 06:12	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	01/31/2024 06:12	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	01/31/2024 06:12	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	01/31/2024 06:12	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 06:12	WG2214791
Fluoranthene	U		0.0000270	0.000100	1	01/31/2024 06:12	WG2214791
Fluorene	U		0.0000169	0.0000500	1	01/31/2024 06:12	WG2214791
Pyrene	U		0.0000169	0.0000500	1	01/31/2024 06:12	WG2214791
(S) Nitrobenzene-d5	111			31.0-160		01/31/2024 06:12	WG2214791
(S) 2-Fluorobiphenyl	115			48.0-148		01/31/2024 06:12	WG2214791
(S) p-Terphenyl-d14	116			37.0-146		01/31/2024 06:12	WG2214791

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U	J3 J6	0.000100	0.000200	1	01/28/2024 19:48	WG2214489

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:32	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:32	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:32	WG2214979
Cadmium	0.000733	J	0.000479	0.00200	1	01/29/2024 22:32	WG2214979
Chromium	U		0.00140	0.0100	1	01/29/2024 22:32	WG2214979
Copper	U		0.00368	0.0100	1	01/29/2024 22:32	WG2214979
Lead	0.00518	J	0.00299	0.00600	1	01/29/2024 22:32	WG2214979
Nickel	0.00171	J	0.00161	0.0100	1	01/29/2024 22:32	WG2214979
Selenium	0.00845	J	0.00735	0.0100	1	01/29/2024 22:32	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:32	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:32	WG2214979
Zinc	U		0.00652	0.0500	1	01/29/2024 22:32	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/04/2024 05:54	WG2219548
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/04/2024 05:54	WG2219548

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 19:00	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 19:00	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 19:00	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 19:00	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 19:00	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 19:00	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 19:00	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 19:00	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 19:00	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 19:00	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 19:00	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 19:00	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 19:00	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 19:00	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 19:00	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 19:00	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 19:00	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 19:00	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 19:00	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 19:00	WG2214559
1,4-Dioxane	0.0489	J	0.0360	0.100	1	01/27/2024 19:00	WG2214559
(S) Toluene-d8	101			80.0-120		01/27/2024 19:00	WG2214559
(S) 4-Bromofluorobenzene	99.8			77.0-126		01/27/2024 19:00	WG2214559
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		01/27/2024 19:00	WG2214559

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.0667	0.200	1	02/04/2024 16:07	WG2216654
Residual Range Organics (RRO)	U		0.0833	0.250	1	02/04/2024 16:07	WG2216654
(S) o-Terphenyl	76.8			52.0-156		02/04/2024 16:07	WG2216654

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 19:53	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 19:53	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 19:53	WG2214421
(S) Decachlorobiphenyl	29.1			10.0-128		01/27/2024 19:53	WG2214421
(S) Tetrachloro-m-xylene	72.6			10.0-127		01/27/2024 19:53	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	01/31/2024 06:30	WG2214791
Acenaphthene	0.000123		0.0000190	0.0000500	1	01/31/2024 06:30	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 06:30	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	01/31/2024 06:30	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	01/31/2024 06:30	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	01/31/2024 06:30	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 06:30	WG2214791
Fluoranthene	0.000335		0.0000270	0.000100	1	01/31/2024 06:30	WG2214791
Fluorene	0.0000247	U	0.0000169	0.0000500	1	01/31/2024 06:30	WG2214791
Pyrene	0.000206		0.0000169	0.0000500	1	01/31/2024 06:30	WG2214791
(S) Nitrobenzene-d5	96.8			31.0-160		01/31/2024 06:30	WG2214791
(S) 2-Fluorobiphenyl	112			48.0-148		01/31/2024 06:30	WG2214791
(S) p-Terphenyl-d14	117			37.0-146		01/31/2024 06:30	WG2214791

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	01/28/2024 20:05	WG2214489

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:45	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:45	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:45	WG2214979
Cadmium	U		0.000479	0.00200	1	01/29/2024 22:45	WG2214979
Chromium	0.00254	J	0.00140	0.0100	1	01/29/2024 22:45	WG2214979
Copper	U		0.00368	0.0100	1	01/29/2024 22:45	WG2214979
Lead	U		0.00299	0.00600	1	01/29/2024 22:45	WG2214979
Nickel	U		0.00161	0.0100	1	01/29/2024 22:45	WG2214979
Selenium	U		0.00735	0.0100	1	01/29/2024 22:45	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:45	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:45	WG2214979
Zinc	U		0.00652	0.0500	1	01/29/2024 22:45	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/04/2024 06:16	WG2219548
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/04/2024 06:16	WG2219548

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 19:21	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 19:21	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 19:21	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 19:21	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 19:21	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 19:21	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 19:21	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 19:21	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 19:21	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 19:21	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 19:21	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 19:21	WG2214559
Tetrachloroethene	0.00258		0.000300	0.00100	1	01/27/2024 19:21	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 19:21	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 19:21	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 19:21	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 19:21	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 19:21	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 19:21	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 19:21	WG2214559
1,4-Dioxane	0.0603	J	0.0360	0.100	1	01/27/2024 19:21	WG2214559
(S) Toluene-d8	101			80.0-120		01/27/2024 19:21	WG2214559
(S) 4-Bromofluorobenzene	99.0			77.0-126		01/27/2024 19:21	WG2214559
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		01/27/2024 19:21	WG2214559

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.133	0.400	2	02/04/2024 16:27	WG2216654
Residual Range Organics (RRO)	U		0.167	0.500	2	02/04/2024 16:27	WG2216654
(S) o-Terphenyl	62.6			52.0-156		02/04/2024 16:27	WG2216654

Sample Narrative:
L1699398-03 WG2216654: Dilution due to matrix impact during extraction procedure

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 20:23	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 20:23	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 20:23	WG2214421
(S) Decachlorobiphenyl	20.8			10.0-128		01/27/2024 20:23	WG2214421
(S) Tetrachloro-m-xylene	75.1			10.0-127		01/27/2024 20:23	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	0.0000297	J	0.0000190	0.0000500	1	01/31/2024 07:24	WG2214791
Acenaphthene	U		0.0000190	0.0000500	1	01/31/2024 07:24	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 07:24	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/06/2024 04:54	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/06/2024 04:54	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/06/2024 04:54	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 07:24	WG2214791
Fluoranthene	U		0.0000270	0.000100	1	01/31/2024 07:24	WG2214791
Fluorene	U		0.0000169	0.0000500	1	01/31/2024 07:24	WG2214791
Pyrene	U		0.0000169	0.0000500	1	01/31/2024 07:24	WG2214791
(S) Nitrobenzene-d5	113			31.0-160		02/06/2024 04:54	WG2214791
(S) Nitrobenzene-d5	98.9			31.0-160		01/31/2024 07:24	WG2214791
(S) 2-Fluorobiphenyl	109			48.0-148		02/06/2024 04:54	WG2214791
(S) 2-Fluorobiphenyl	113			48.0-148		01/31/2024 07:24	WG2214791
(S) p-Terphenyl-d14	108			37.0-146		01/31/2024 07:24	WG2214791
(S) p-Terphenyl-d14	98.9			37.0-146		02/06/2024 04:54	WG2214791

Sample Narrative:
L1699398-03 WG2214791: IS/SURR failed on lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	01/28/2024 20:07	WG2214489

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:20	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:20	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:20	WG2214979
Cadmium	U		0.000479	0.00200	1	01/29/2024 22:20	WG2214979
Chromium	0.00181	J	0.00140	0.0100	1	01/29/2024 22:20	WG2214979
Copper	0.00455	J	0.00368	0.0100	1	01/29/2024 22:20	WG2214979
Lead	U		0.00299	0.00600	1	01/29/2024 22:20	WG2214979
Nickel	0.00328	J	0.00161	0.0100	1	01/29/2024 22:20	WG2214979
Selenium	U		0.00735	0.0100	1	01/29/2024 22:20	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:20	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:20	WG2214979
Zinc	0.00784	J	0.00652	0.0500	1	01/29/2024 22:20	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/04/2024 06:39	WG2219548
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/04/2024 06:39	WG2219548

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 19:42	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 19:42	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 19:42	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 19:42	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 19:42	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 19:42	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 19:42	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 19:42	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 19:42	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 19:42	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 19:42	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 19:42	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 19:42	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 19:42	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 19:42	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 19:42	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 19:42	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 19:42	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 19:42	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 19:42	WG2214559
1,4-Dioxane	0.0570	J	0.0360	0.100	1	01/27/2024 19:42	WG2214559
(S) Toluene-d8	100			80.0-120		01/27/2024 19:42	WG2214559
(S) 4-Bromofluorobenzene	100			77.0-126		01/27/2024 19:42	WG2214559
(S) 1,2-Dichloroethane-d4	95.8			70.0-130		01/27/2024 19:42	WG2214559

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.133	0.400	2	02/04/2024 16:48	WG2216654
Residual Range Organics (RRO)	U		0.167	0.500	2	02/04/2024 16:48	WG2216654
(S) o-Terphenyl	60.0			52.0-156		02/04/2024 16:48	WG2216654

Sample Narrative:
L1699398-04 WG2216654: Dilution due to matrix impact during extraction procedure

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 20:33	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 20:33	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 20:33	WG2214421
(S) Decachlorobiphenyl	18.3			10.0-128		01/27/2024 20:33	WG2214421
(S) Tetrachloro-m-xylene	80.8			10.0-127		01/27/2024 20:33	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	01/31/2024 07:41	WG2214791
Acenaphthene	U		0.0000190	0.0000500	1	01/31/2024 07:41	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 07:41	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/06/2024 05:12	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/06/2024 05:12	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/06/2024 05:12	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 07:41	WG2214791
Fluoranthene	U		0.0000270	0.000100	1	01/31/2024 07:41	WG2214791
Fluorene	U		0.0000169	0.0000500	1	01/31/2024 07:41	WG2214791
Pyrene	U		0.0000169	0.0000500	1	01/31/2024 07:41	WG2214791
(S) Nitrobenzene-d5	98.9			31.0-160		01/31/2024 07:41	WG2214791
(S) Nitrobenzene-d5	111			31.0-160		02/06/2024 05:12	WG2214791
(S) 2-Fluorobiphenyl	109			48.0-148		01/31/2024 07:41	WG2214791
(S) 2-Fluorobiphenyl	105			48.0-148		02/06/2024 05:12	WG2214791
(S) p-Terphenyl-d14	93.2			37.0-146		02/06/2024 05:12	WG2214791
(S) p-Terphenyl-d14	102			37.0-146		01/31/2024 07:41	WG2214791

Sample Narrative:
L1699398-04 WG2214791: IS/SURR failed on lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	01/28/2024 20:10	WG2214489

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:22	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:22	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:22	WG2214979
Cadmium	U		0.000479	0.00200	1	01/29/2024 22:22	WG2214979
Chromium	0.00215	J	0.00140	0.0100	1	01/29/2024 22:22	WG2214979
Copper	0.00554	J	0.00368	0.0100	1	01/29/2024 22:22	WG2214979
Lead	U		0.00299	0.00600	1	01/29/2024 22:22	WG2214979
Nickel	0.00282	J	0.00161	0.0100	1	01/29/2024 22:22	WG2214979
Selenium	U		0.00735	0.0100	1	01/29/2024 22:22	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:22	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:22	WG2214979
Zinc	U		0.00652	0.0500	1	01/29/2024 22:22	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/04/2024 12:42	WG2219559
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		02/04/2024 12:42	WG2219559

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 20:03	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 20:03	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 20:03	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 20:03	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 20:03	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 20:03	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 20:03	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 20:03	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 20:03	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 20:03	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 20:03	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 20:03	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 20:03	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 20:03	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 20:03	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 20:03	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 20:03	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 20:03	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 20:03	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 20:03	WG2214559
1,4-Dioxane	U		0.0360	0.100	1	01/27/2024 20:03	WG2214559
(S) Toluene-d8	100			80.0-120		01/27/2024 20:03	WG2214559
(S) 4-Bromofluorobenzene	100			77.0-126		01/27/2024 20:03	WG2214559
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		01/27/2024 20:03	WG2214559

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.0667	0.200	1	02/04/2024 17:09	WG2216654
Residual Range Organics (RRO)	U		0.0833	0.250	1	02/04/2024 17:09	WG2216654
(S) o-Terphenyl	66.3			52.0-156		02/04/2024 17:09	WG2216654

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 20:44	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 20:44	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 20:44	WG2214421
(S) Decachlorobiphenyl	18.7			10.0-128		01/27/2024 20:44	WG2214421
(S) Tetrachloro-m-xylene	77.1			10.0-127		01/27/2024 20:44	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	01/31/2024 07:59	WG2214791
Acenaphthene	U		0.0000190	0.0000500	1	01/31/2024 07:59	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 07:59	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	01/31/2024 07:59	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	01/31/2024 07:59	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	01/31/2024 07:59	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 07:59	WG2214791
Fluoranthene	U		0.0000270	0.000100	1	01/31/2024 07:59	WG2214791
Fluorene	U		0.0000169	0.0000500	1	01/31/2024 07:59	WG2214791
Pyrene	U		0.0000169	0.0000500	1	01/31/2024 07:59	WG2214791
(S) Nitrobenzene-d5	100			31.0-160		01/31/2024 07:59	WG2214791
(S) 2-Fluorobiphenyl	111			48.0-148		01/31/2024 07:59	WG2214791
(S) p-Terphenyl-d14	113			37.0-146		01/31/2024 07:59	WG2214791

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	01/28/2024 20:12	WG2214489

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00430	0.0100	1	01/29/2024 22:24	WG2214979
Arsenic	U		0.00440	0.0100	1	01/29/2024 22:24	WG2214979
Beryllium	U		0.000330	0.00200	1	01/29/2024 22:24	WG2214979
Cadmium	U		0.000479	0.00200	1	01/29/2024 22:24	WG2214979
Chromium	U		0.00140	0.0100	1	01/29/2024 22:24	WG2214979
Copper	U		0.00368	0.0100	1	01/29/2024 22:24	WG2214979
Lead	U		0.00299	0.00600	1	01/29/2024 22:24	WG2214979
Nickel	U		0.00161	0.0100	1	01/29/2024 22:24	WG2214979
Selenium	U		0.00735	0.0100	1	01/29/2024 22:24	WG2214979
Silver	U		0.00154	0.00500	1	01/29/2024 22:24	WG2214979
Thallium	U		0.00431	0.0100	1	01/29/2024 22:24	WG2214979
Zinc	U		0.00652	0.0500	1	01/29/2024 22:24	WG2214979

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	0.0498	B J	0.0316	0.100	1	02/04/2024 13:06	WG2219559
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.7			78.0-120		02/04/2024 13:06	WG2219559

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	01/27/2024 20:24	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 20:24	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 20:24	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 20:24	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 20:24	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 20:24	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 20:24	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 20:24	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 20:24	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 20:24	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 20:24	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 20:24	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 20:24	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 20:24	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 20:24	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 20:24	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 20:24	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 20:24	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 20:24	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 20:24	WG2214559
1,4-Dioxane	0.0644	J	0.0360	0.100	1	01/27/2024 20:24	WG2214559
(S) Toluene-d8	101			80.0-120		01/27/2024 20:24	WG2214559
(S) 4-Bromofluorobenzene	98.0			77.0-126		01/27/2024 20:24	WG2214559
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		01/27/2024 20:24	WG2214559

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		0.0667	0.200	1	02/04/2024 17:30	WG2216654
Residual Range Organics (RRO)	U		0.0833	0.250	1	02/04/2024 17:30	WG2216654
(S) o-Terphenyl	72.1			52.0-156		02/04/2024 17:30	WG2216654

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1221	U		0.000270	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1232	U		0.000270	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1242	U		0.000270	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1248	U		0.000173	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1254	U		0.000173	0.000500	1	01/27/2024 20:54	WG2214421
PCB 1260	U		0.000173	0.000500	1	01/27/2024 20:54	WG2214421
Total PCBs	U		0.000173	0.000500	1	01/27/2024 20:54	WG2214421
(S) Decachlorobiphenyl	21.5			10.0-128		01/27/2024 20:54	WG2214421
(S) Tetrachloro-m-xylene	80.6			10.0-127		01/27/2024 20:54	WG2214421

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	01/31/2024 08:17	WG2214791
Acenaphthene	0.000105		0.0000190	0.0000500	1	01/31/2024 08:17	WG2214791
Benzo(a)anthracene	U		0.0000203	0.0000500	1	01/31/2024 08:17	WG2214791
Benzo(a)pyrene	U		0.0000184	0.0000500	1	01/31/2024 08:17	WG2214791
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	01/31/2024 08:17	WG2214791
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	01/31/2024 08:17	WG2214791
Chrysene	U		0.0000179	0.0000500	1	01/31/2024 08:17	WG2214791
Fluoranthene	0.000300		0.0000270	0.000100	1	01/31/2024 08:17	WG2214791
Fluorene	U		0.0000169	0.0000500	1	01/31/2024 08:17	WG2214791
Pyrene	0.000195		0.0000169	0.0000500	1	01/31/2024 08:17	WG2214791
(S) Nitrobenzene-d5	99.5			31.0-160		01/31/2024 08:17	WG2214791
(S) 2-Fluorobiphenyl	112			48.0-148		01/31/2024 08:17	WG2214791
(S) p-Terphenyl-d14	113			37.0-146		01/31/2024 08:17	WG2214791

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	01/27/2024 14:15	WG2214559
Toluene	U		0.000278	0.00100	1	01/27/2024 14:15	WG2214559
Ethylbenzene	U		0.000137	0.00100	1	01/27/2024 14:15	WG2214559
Xylenes, Total	U		0.000174	0.00300	1	01/27/2024 14:15	WG2214559
Naphthalene	U	C3	0.00100	0.00500	1	01/27/2024 14:15	WG2214559
Isopropylbenzene	U		0.000105	0.00100	1	01/27/2024 14:15	WG2214559
n-Propylbenzene	U		0.0000993	0.00100	1	01/27/2024 14:15	WG2214559
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/27/2024 14:15	WG2214559
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/27/2024 14:15	WG2214559
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/27/2024 14:15	WG2214559
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/27/2024 14:15	WG2214559
1,2-Dibromoethane	U		0.000126	0.00100	1	01/27/2024 14:15	WG2214559
Tetrachloroethene	U		0.000300	0.00100	1	01/27/2024 14:15	WG2214559
Trichloroethene	U		0.000190	0.00100	1	01/27/2024 14:15	WG2214559
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/27/2024 14:15	WG2214559
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/27/2024 14:15	WG2214559
1,1-Dichloroethene	U		0.000188	0.00100	1	01/27/2024 14:15	WG2214559
1,1-Dichloroethane	U		0.000100	0.00100	1	01/27/2024 14:15	WG2214559
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/27/2024 14:15	WG2214559
Vinyl chloride	U		0.000234	0.00100	1	01/27/2024 14:15	WG2214559
1,4-Dioxane	U		0.0360	0.100	1	01/27/2024 14:15	WG2214559
(S) Toluene-d8	101			80.0-120		01/27/2024 14:15	WG2214559
(S) 4-Bromofluorobenzene	102			77.0-126		01/27/2024 14:15	WG2214559
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		01/27/2024 14:15	WG2214559

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027063-1 01/28/24 19:43

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4027063-2 01/28/24 19:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Mercury	0.00300	0.00279	92.9	80.0-120	

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/28/24 19:48 • (MS) R4027063-3 01/28/24 19:51 • (MSD) R4027063-4 01/28/24 19:53

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	U	0.00214	0.00298	71.2	99.4	1	75.0-125	J6	J3	33.0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027498-1 01/29/24 22:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.00430	0.0100
Arsenic	U		0.00440	0.0100
Beryllium	U		0.000330	0.00200
Cadmium	U		0.000479	0.00200
Chromium	U		0.00140	0.0100
Copper	U		0.00368	0.0100
Lead	U		0.00299	0.00600
Nickel	U		0.00161	0.0100
Selenium	U		0.00735	0.0100
Silver	U		0.00154	0.00500
Thallium	U		0.00431	0.0100
Zinc	U		0.00652	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4027498-2 01/29/24 22:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	1.00	0.978	97.8	80.0-120	
Arsenic	1.00	0.950	95.0	80.0-120	
Beryllium	1.00	1.00	100	80.0-120	
Cadmium	1.00	0.968	96.8	80.0-120	
Chromium	1.00	1.02	102	80.0-120	
Copper	1.00	1.04	104	80.0-120	
Lead	1.00	0.968	96.8	80.0-120	
Nickel	1.00	0.957	95.7	80.0-120	
Selenium	1.00	0.939	93.9	80.0-120	
Silver	0.200	0.194	96.8	80.0-120	
Thallium	1.00	0.994	99.4	80.0-120	
Zinc	1.00	0.997	99.7	80.0-120	

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/29/24 22:32 • (MS) R4027498-4 01/29/24 22:36 • (MSD) R4027498-5 01/29/24 22:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	1.00	U	0.958	0.983	95.8	98.3	1	75.0-125			2.66	20
Arsenic	1.00	U	0.953	0.968	95.3	96.8	1	75.0-125			1.64	20
Beryllium	1.00	U	0.998	1.01	99.8	101	1	75.0-125			1.20	20

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/29/24 22:32 • (MS) R4027498-4 01/29/24 22:36 • (MSD) R4027498-5 01/29/24 22:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Cadmium	1.00	0.000733	0.959	0.979	95.8	97.8	1	75.0-125			2.10	20
Chromium	1.00	U	1.02	1.04	102	104	1	75.0-125			2.16	20
Copper	1.00	U	1.02	1.05	102	105	1	75.0-125			2.51	20
Lead	1.00	0.00518	0.948	0.980	94.3	97.5	1	75.0-125			3.31	20
Nickel	1.00	0.00171	0.955	0.978	95.4	97.7	1	75.0-125			2.36	20
Selenium	1.00	0.00845	0.958	0.975	94.9	96.6	1	75.0-125			1.77	20
Silver	0.200	U	0.191	0.195	95.6	97.4	1	75.0-125			1.87	20
Thallium	1.00	U	0.980	0.999	98.0	99.9	1	75.0-125			1.90	20
Zinc	1.00	U	0.982	1.00	98.2	100	1	75.0-125			2.18	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029743-3 02/03/24 22:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Gasoline Range Organics-NWTPH	0.0341	J	0.0316	0.100
(S) a,a,a-Trifluorotoluene(FID)	106			78.0-120

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

(LCS) R4029743-1 02/03/24 20:33 • (LCSD) R4029743-2 02/03/24 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.44	4.75	98.9	86.4	70.0-124			13.5	20
(S) a,a,a-Trifluorotoluene(FID)				108	108	78.0-120				

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 02/04/24 05:54 • (MS) R4029743-4 02/04/24 07:02 • (MSD) R4029743-5 02/04/24 07:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	U	1.10	1.31	20.0	23.8	1	10.0-155			17.4	21
(S) a,a,a-Trifluorotoluene(FID)					105	105		78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029991-2 02/04/24 12:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Gasoline Range Organics-NWTPH	0.0646	J	0.0316	0.100
(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 mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	6.09	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 mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	U	5.78	5.94	105	108	1	10.0-155			2.73	21
(S) a,a,a-Trifluorotoluene(FID)					100	101		78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027630-4 01/27/24 11:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
Naphthalene	U		0.00100	0.00500
Isopropylbenzene	U		0.000105	0.00100
n-Propylbenzene	U		0.0000993	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
Vinyl chloride	U		0.000234	0.00100
1,4-Dioxane	U		0.0360	0.100
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	94.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4027630-1 01/27/24 09:19 • (LCSD) R4027630-2 01/27/24 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00486	0.00487	97.2	97.4	70.0-123			0.206	20
Toluene	0.00500	0.00419	0.00416	83.8	83.2	79.0-120			0.719	20
Ethylbenzene	0.00500	0.00412	0.00409	82.4	81.8	79.0-123			0.731	20
Xylenes, Total	0.0150	0.0120	0.0123	80.0	82.0	79.0-123			2.47	20
Naphthalene	0.00500	0.00345	0.00341	69.0	68.2	54.0-135			1.17	20
Isopropylbenzene	0.00500	0.00408	0.00413	81.6	82.6	76.0-127			1.22	20
n-Propylbenzene	0.00500	0.00410	0.00417	82.0	83.4	77.0-124			1.69	20
1,2,4-Trimethylbenzene	0.00500	0.00399	0.00410	79.8	82.0	76.0-121			2.72	20
1,3,5-Trimethylbenzene	0.00500	0.00403	0.00401	80.6	80.2	76.0-122			0.498	20

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

(LCS) R4027630-1 01/27/24 09:19 • (LCSD) R4027630-2 01/27/24 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00491	0.00497	98.2	99.4	68.0-125			1.21	20
1,2-Dichloroethane	0.00500	0.00493	0.00498	98.6	99.6	70.0-128			1.01	20
1,2-Dibromoethane	0.00500	0.00424	0.00424	84.8	84.8	80.0-122			0.000	20
Tetrachloroethene	0.00500	0.00406	0.00414	81.2	82.8	72.0-132			1.95	20
Trichloroethene	0.00500	0.00459	0.00468	91.8	93.6	78.0-124			1.94	20
cis-1,2-Dichloroethene	0.00500	0.00486	0.00457	97.2	91.4	73.0-120			6.15	20
trans-1,2-Dichloroethene	0.00500	0.00474	0.00460	94.8	92.0	73.0-120			3.00	20
1,1-Dichloroethene	0.00500	0.00467	0.00470	93.4	94.0	71.0-124			0.640	20
1,1-Dichloroethane	0.00500	0.00485	0.00483	97.0	96.6	70.0-126			0.413	20
1,1,1-Trichloroethane	0.00500	0.00467	0.00461	93.4	92.2	73.0-124			1.29	20
Vinyl chloride	0.00500	0.00523	0.00517	105	103	67.0-131			1.15	20
(S) Toluene-d8				96.5	98.6	80.0-120				
(S) 4-Bromofluorobenzene				101	100	77.0-126				
(S) 1,2-Dichloroethane-d4				94.1	93.4	70.0-130				

Laboratory Control Sample (LCS)

(LCS) R4027630-3 01/27/24 10:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,4-Dioxane	1.00	0.992	99.2	13.0-160	
(S) Toluene-d8			98.3	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			91.3	70.0-130	

L1699075-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699075-02 01/27/24 16:55 • (MS) R4027630-5 01/27/24 20:45 • (MSD) R4027630-6 01/27/24 21:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Benzene	0.00500	0.000341	0.00576	0.00603	108	114	1	17.0-158			4.58	27
Toluene	0.00500	U	0.00456	0.00482	91.2	96.4	1	26.0-154			5.54	28
Ethylbenzene	0.00500	U	0.00472	0.00494	94.4	98.8	1	30.0-155			4.55	27
Xylenes, Total	0.0150	U	0.0132	0.0140	88.0	93.3	1	29.0-154			5.88	28
Naphthalene	0.00500	U	0.00370	0.00382	74.0	76.4	1	12.0-156			3.19	35
Isopropylbenzene	0.00500	U	0.00459	0.00485	91.8	97.0	1	28.0-157			5.51	27
n-Propylbenzene	0.00500	U	0.00460	0.00492	92.0	98.4	1	31.0-154			6.72	28
1,2,4-Trimethylbenzene	0.00500	U	0.00434	0.00446	86.8	89.2	1	26.0-154			2.73	27
1,3,5-Trimethylbenzene	0.00500	U	0.00441	0.00474	88.2	94.8	1	28.0-153			7.21	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1699075-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699075-02 01/27/24 16:55 • (MS) R4027630-5 01/27/24 20:45 • (MSD) R4027630-6 01/27/24 21:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	U	0.00503	0.00524	101	105	1	28.0-150			4.09	29
1,2-Dichloroethane	0.00500	U	0.00531	0.00559	106	112	1	29.0-151			5.14	27
1,2-Dibromoethane	0.00500	U	0.00427	0.00453	85.4	90.6	1	34.0-147			5.91	27
Tetrachloroethene	0.00500	0.00335	0.00782	0.00824	89.4	97.8	1	10.0-160			5.23	27
Trichloroethene	0.00500	0.00211	0.00729	0.00750	104	108	1	10.0-160			2.84	25
cis-1,2-Dichloroethene	0.00500	U	0.00518	0.00545	104	109	1	10.0-160			5.08	27
trans-1,2-Dichloroethene	0.00500	U	0.00529	0.00555	106	111	1	17.0-153			4.80	27
1,1-Dichloroethene	0.00500	U	0.00568	0.00586	114	117	1	11.0-160			3.12	29
1,1-Dichloroethane	0.00500	0.00193	0.00728	0.00759	107	113	1	25.0-158			4.17	27
1,1,1-Trichloroethane	0.00500	U	0.00554	0.00575	111	115	1	23.0-160			3.72	28
Vinyl chloride	0.00500	U	0.00628	0.00675	126	135	1	10.0-160			7.21	27
(S) Toluene-d8					95.1	97.1		80.0-120				
(S) 4-Bromofluorobenzene					99.4	99.6		77.0-126				
(S) 1,2-Dichloroethane-d4					95.9	95.4		70.0-130				

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/27/24 19:00 • (MS) R4027630-7 01/27/24 21:26 • (MSD) R4027630-8 01/27/24 21:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	U	0.00537	0.00532	107	106	1	17.0-158			0.935	27
Toluene	0.00500	U	0.00446	0.00447	89.2	89.4	1	26.0-154			0.224	28
Ethylbenzene	0.00500	U	0.00461	0.00453	92.2	90.6	1	30.0-155			1.75	27
Xylenes, Total	0.0150	U	0.0134	0.0133	89.3	88.7	1	29.0-154			0.749	28
Naphthalene	0.00500	U	0.00437	0.00389	87.4	77.8	1	12.0-156			11.6	35
Isopropylbenzene	0.00500	U	0.00463	0.00455	92.6	91.0	1	28.0-157			1.74	27
n-Propylbenzene	0.00500	U	0.00458	0.00458	91.6	91.6	1	31.0-154			0.000	28
1,2,4-Trimethylbenzene	0.00500	U	0.00437	0.00426	87.4	85.2	1	26.0-154			2.55	27
1,3,5-Trimethylbenzene	0.00500	U	0.00446	0.00439	89.2	87.8	1	28.0-153			1.58	27
Methyl tert-butyl ether	0.00500	U	0.00521	0.00509	104	102	1	28.0-150			2.33	29
1,2-Dichloroethane	0.00500	U	0.00532	0.00537	106	107	1	29.0-151			0.935	27
1,2-Dibromoethane	0.00500	U	0.00445	0.00437	89.0	87.4	1	34.0-147			1.81	27
Tetrachloroethene	0.00500	U	0.00463	0.00453	92.6	90.6	1	10.0-160			2.18	27
Trichloroethene	0.00500	U	0.00505	0.00504	101	101	1	10.0-160			0.198	25
cis-1,2-Dichloroethene	0.00500	U	0.00514	0.00530	103	106	1	10.0-160			3.07	27
trans-1,2-Dichloroethene	0.00500	U	0.00508	0.00522	102	104	1	17.0-153			2.72	27
1,1-Dichloroethene	0.00500	U	0.00543	0.00539	109	108	1	11.0-160			0.739	29
1,1-Dichloroethane	0.00500	U	0.00547	0.00542	109	108	1	25.0-158			0.918	27
1,1,1-Trichloroethane	0.00500	U	0.00541	0.00539	108	108	1	23.0-160			0.370	28

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/27/24 19:00 • (MS) R4027630-7 01/27/24 21:26 • (MSD) R4027630-8 01/27/24 21:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	0.00500	U	0.00610	0.00603	122	121	1	10.0-160			1.15	27
(S) Toluene-d8					97.4	97.1		80.0-120				
(S) 4-Bromofluorobenzene					101	100		77.0-126				
(S) 1,2-Dichloroethane-d4					96.6	97.0		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029722-1 02/02/24 02:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diesel Range Organics (DRO)	U		0.0667	0.200
Residual Range Organics (RRO)	U		0.0833	0.250
(S) o-Terphenyl	59.0			52.0-156

Laboratory Control Sample (LCS)

(LCS) R4029722-2 02/02/24 02:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	1.50	1.30	86.7	50.0-150	
(S) o-Terphenyl			80.5	52.0-156	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027951-1 01/27/24 18:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	U		0.000270	0.000500
PCB 1221	U		0.000270	0.000500
PCB 1232	U		0.000270	0.000500
PCB 1242	U		0.000270	0.000500
PCB 1248	U		0.000173	0.000500
PCB 1254	U		0.000173	0.000500
PCB 1260	U		0.000173	0.000500
Total PCBs	U		0.000173	0.000500
(S) Decachlorobiphenyl	30.1			10.0-128
(S) Tetrachloro-m-xylene	77.2			10.0-127

Laboratory Control Sample (LCS)

(LCS) R4027951-2 01/27/24 18:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.00250	0.00225	90.0	36.0-135	
PCB 1260	0.00250	0.00184	73.6	42.0-131	
(S) Decachlorobiphenyl			59.9	10.0-128	
(S) Tetrachloro-m-xylene			81.4	10.0-127	

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/27/24 19:53 • (MS) R4027951-3 01/27/24 20:03 • (MSD) R4027951-4 01/27/24 20:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.00250	U	0.00187	0.00248	74.8	99.2	1	11.0-160			28.0	38
PCB 1260	0.00250	U	0.00131	0.00126	52.4	50.4	1	20.0-142			3.89	27
(S) Decachlorobiphenyl					33.3	11.7		10.0-128				
(S) Tetrachloro-m-xylene					77.7	70.9		10.0-127				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030045-2 01/31/24 03:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Pyrene	U		0.0000169	0.0000500
(S) Nitrobenzene-d5	103			31.0-160
(S) 2-Fluorobiphenyl	108			48.0-148
(S) p-Terphenyl-d14	112			37.0-146

Laboratory Control Sample (LCS)

(LCS) R4030045-1 01/31/24 02:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.00200	0.00227	114	67.0-150	
Acenaphthene	0.00200	0.00217	108	65.0-138	
Benzo(a)anthracene	0.00200	0.00225	112	61.0-140	
Benzo(a)pyrene	0.00200	0.00231	115	60.0-143	
Benzo(b)fluoranthene	0.00200	0.00256	128	58.0-141	
Benzo(k)fluoranthene	0.00200	0.00251	126	58.0-148	
Chrysene	0.00200	0.00254	127	64.0-144	
Fluoranthene	0.00200	0.00265	133	69.0-153	
Fluorene	0.00200	0.00250	125	64.0-136	
Pyrene	0.00200	0.00251	126	60.0-142	
(S) Nitrobenzene-d5			115	31.0-160	
(S) 2-Fluorobiphenyl			119	48.0-148	
(S) p-Terphenyl-d14			115	37.0-146	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1699398-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699398-02 01/31/24 06:30 • (MS) R4030045-3 01/31/24 06:48 • (MSD) R4030045-4 01/31/24 07:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00190	U	0.00194	0.00192	102	101	1	56.0-156			1.04	20
Acenaphthene	0.00190	0.000123	0.00197	0.00195	97.2	96.2	1	44.0-153			1.02	20
Benzo(a)anthracene	0.00190	U	0.00186	0.00186	97.9	97.9	1	47.0-151			0.000	20
Benzo(a)pyrene	0.00190	U	0.00156	0.00188	82.1	98.9	1	45.0-146			18.6	20
Benzo(b)fluoranthene	0.00190	U	0.00176	0.00199	92.6	105	1	43.0-142			12.3	20
Benzo(k)fluoranthene	0.00190	U	0.00158	0.00194	83.2	102	1	43.0-148			20.5	21
Chrysene	0.00190	U	0.00212	0.00218	112	115	1	50.0-148			2.79	20
Fluoranthene	0.00190	0.000335	0.00255	0.00228	117	102	1	56.0-157			11.2	20
Fluorene	0.00190	0.0000247	0.00217	0.00225	113	117	1	48.0-148			3.62	20
Pyrene	0.00190	0.000206	0.00237	0.00229	114	110	1	51.0-148			3.43	20
(S) Nitrobenzene-d5					95.8	97.4		31.0-160				
(S) 2-Fluorobiphenyl					106	110		48.0-148				
(S) p-Terphenyl-d14					104	107		37.0-146				

1

Cp

2

Tc

3

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Gl

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Al

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Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

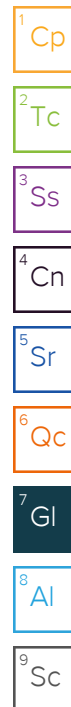
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ACCREDITATIONS & LOCATIONS

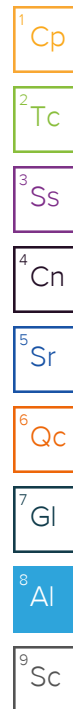
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Company Name/Address: Alta Science & Engineering, Inc 988 South Longmont Ave., Suite 200 Boise, ID 83706				Billing Information: Accounting 220 East 5th Street, Suite 325 Moscow, ID 83843 ERG				Analysis / Container / Preservative 6010 PP + Hg 250mlHDPE-HNO3 8082 100ml Amb-NoPres DROLVI 40mlAmb-HCl-BT GRO 40mlAmb HCl PAHSIMLVI 40mlAmb-NoPres-WT V8260AP9 40mlAmb-HCl Pres Chk				Chain of Custody Page <u>1</u> of <u>1</u> Pace PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Report to: Brady Brantley				Email To: brady.brantley@alta-se.com; brett.mclees@alta-se.com				SDG # 1699398 A217 Acctnum: ALTASCIBID Template: T245114 Prelogin: P1049199 PM: 841 - Kelly Mercer PB: NG 115124 Shipped Via: FedEX Ground							
Project Description: OMSI District Road Parcels Sampling		City/State Collected: Portland, OR		Please Circle: ☒ MT ☐ CT ☐ ET											
Phone: 208-336-7080		Client Project # 22136		Lab Project # ALTASCIBID-OMSI											
Collected by (print): Brady Brantley		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed STD TAT											
Immediately Packed on Ice N ☐ Y ☒		No. of Cntrs		No. of Cntrs											
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		No. of Cntrs			
OD-TMW-1		Grab		GW		-		1/24/24		0920		12			
OD-TMW-1, ms/msd		Grab		GW		-		1/24/24		0920		12			
OD-TMW-2		Grab		GW		-		1/24/24		1050		12			
OD-TMW-3		Grab		GW		-		1/24/24		1335		12			
OD-TMW-4		Grab		GW		-		1/25/25		1155		12			
OD-TMW-5		Grab		GW		-		1/24/24		1530		12			
OD-TMW-6		Grab		GW		-		1/24/24		0830		12			
Trip Blank		-		-		-		-		-		1			
Remarks: Run ms/msd & Trip Blank w/ our sample batch.		Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking # 7210 2108 0975		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N							
Relinquished by (Signature): 		Date: 1/25/25		Time: 1300		Received by (Signature):		Trip Blank Received: ☒ Yes ☐ No (HCl/MeOH TBR)		Temp: _____ °C Bottles Received:		If preservation required by Login: Date/Time			
Relinquished by (Signature):		Date:		Time:		Received by (Signature):		Temp: DPAB 4.9 + 0.4.9		Hold:		Condition: NCF / OK			
Relinquished by (Signature):		Date:		Time:		Received for lab by (Signature): 		Date: 1-26-24 Time: 9:00		Hold:		Condition:			

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1700961
Samples Received: 01/31/2024
Project Number: 22136
Description: OMSI District Road Parcels Sampling

Report To: Sarah Weppner
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

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

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

SAMPLE SUMMARY

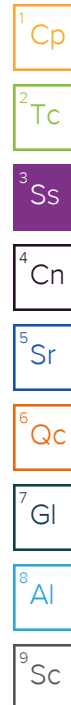
RINSATE L1700961-01 GW

Collected by
Brady Brantley

Collected date/time
01/24/24 10:50

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2217495	1	02/01/24 12:17	02/02/24 14:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218121	1	02/02/24 15:38	02/02/24 19:54	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2218735	1	02/03/24 20:04	02/03/24 20:04	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218041	1	02/01/24 19:40	02/01/24 19:40	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2218098	1	02/01/24 16:38	02/02/24 03:04	TGB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219639	1	02/05/24 06:47	02/06/24 02:54	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218115	1	02/01/24 16:39	02/02/24 00:19	MBE	Mt. Juliet, TN



RINSATE L1700961-02 GW

Collected by
Brady Brantley

Collected date/time
01/25/24 09:00

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2217495	1	02/01/24 12:17	02/02/24 14:47	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218121	1	02/02/24 15:38	02/02/24 19:55	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2218735	1	02/03/24 20:29	02/03/24 20:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2218041	1	02/01/24 20:00	02/01/24 20:00	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2219218	1	02/03/24 08:03	02/04/24 23:03	DMG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2219639	1	02/05/24 06:47	02/06/24 03:04	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218115	1	02/01/24 16:39	02/02/24 00:38	MBE	Mt. Juliet, TN

IDW-WATER L1700961-03 GW

Collected by
Brady Brantley

Collected date/time
01/25/24 08:40

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG2218654	1	02/02/24 12:50	02/02/24 12:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method D93/1010A	WG2218321	1	02/01/24 21:22	02/01/24 21:22	CRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2217495	1	02/01/24 12:17	02/02/24 14:49	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218121	1	02/02/24 15:38	02/02/24 19:57	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2218735	1	02/03/24 20:53	02/03/24 20:53	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218448	1	02/02/24 06:26	02/02/24 06:26	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2218098	1	02/01/24 16:38	02/02/24 03:44	TGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2218115	1	02/01/24 16:39	02/02/24 02:17	MBE	Mt. Juliet, TN

TRIP BLANK L1700961-04 GW

Collected by
Brady Brantley

Collected date/time
01/25/24 08:40

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2218448	1	02/02/24 04:24	02/02/24 04:24	JCP	Mt. Juliet, TN

CASE NARRATIVE

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

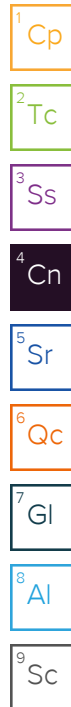


Kelly Mercer
Project Manager

Sample Delivery Group (SDG) Narrative

An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. 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>
L1700961-01	RINSATE	8082
L1700961-02	RINSATE	8082



Mercury by Method 7470A

Table with 8 columns: Analyte, Result, Qualifier, MDL, RDL, Dilution, Analysis, Batch. Row 1: Mercury, U, 0.000100, 0.000200, 1, 02/02/2024 14:45, WG2217495

Vertical sidebar with 9 colored boxes containing element symbols: 1 Cp, 2 Tc, 3 Ss, 4 Cn, 5 Sr, 6 Qc, 7 Gl, 8 Al, 9 Sc

Metals (ICP) by Method 6010D

Table with 8 columns: Analyte, Result, Qualifier, MDL, RDL, Dilution, Analysis, Batch. Rows include Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Zinc.

Volatile Organic Compounds (GC) by Method 8015D/GRO

Table with 8 columns: Analyte, Result, Qualifier, MDL, RDL, Dilution, Analysis, Batch. Rows include TPH (GC/FID) Low Fraction and (S) a,a,a-Trifluorotoluene(FID).

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

Table with 8 columns: Analyte, Result, Qualifier, MDL, RDL, Dilution, Analysis, Batch. Rows include Benzene, Toluene, Ethylbenzene, Xylenes, Total, Naphthalene, Isopropylbenzene, n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Methyl tert-butyl ether, 1,2-Dichloroethane, 1,2-Dibromoethane, Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane, Vinyl chloride, 1,4-Dioxane, (S) Toluene-d8, (S) 4-Bromofluorobenzene, (S) 1,2-Dichloroethane-d4.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.149	B	0.0247	0.100	1	02/02/2024 03:04	WG2218098
(S) o-Terphenyl	98.0			31.0-160		02/02/2024 03:04	WG2218098

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1221	U		0.000270	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1232	U		0.000270	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1242	U		0.000270	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1248	U		0.000173	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1254	U		0.000173	0.000500	1	02/06/2024 02:54	WG2219639
PCB 1260	U		0.000173	0.000500	1	02/06/2024 02:54	WG2219639
(S) Decachlorobiphenyl	20.4			10.0-128		02/06/2024 02:54	WG2219639
(S) Tetrachloro-m-xylene	57.7			10.0-127		02/06/2024 02:54	WG2219639

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.0000190	0.0000500	1	02/02/2024 00:19	WG2218115
Acenaphthene	U	T8	0.0000190	0.0000500	1	02/02/2024 00:19	WG2218115
Benzo(a)anthracene	U	T8	0.0000203	0.0000500	1	02/02/2024 00:19	WG2218115
Benzo(a)pyrene	U	T8	0.0000184	0.0000500	1	02/02/2024 00:19	WG2218115
Benzo(b)fluoranthene	U	T8	0.0000168	0.0000500	1	02/02/2024 00:19	WG2218115
Benzo(k)fluoranthene	U	T8	0.0000202	0.0000500	1	02/02/2024 00:19	WG2218115
Chrysene	U	T8	0.0000179	0.0000500	1	02/02/2024 00:19	WG2218115
Fluoranthene	U	T8	0.0000270	0.000100	1	02/02/2024 00:19	WG2218115
Fluorene	U	T8	0.0000169	0.0000500	1	02/02/2024 00:19	WG2218115
Pyrene	U	T8	0.0000169	0.0000500	1	02/02/2024 00:19	WG2218115
(S) Nitrobenzene-d5	106			31.0-160		02/02/2024 00:19	WG2218115
(S) 2-Fluorobiphenyl	115			48.0-148		02/02/2024 00:19	WG2218115
(S) p-Terphenyl-d14	102			37.0-146		02/02/2024 00:19	WG2218115

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	02/02/2024 14:47	WG2217495

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	U		0.00430	0.0100	1	02/02/2024 19:55	WG2218121
Arsenic	U		0.00440	0.0100	1	02/02/2024 19:55	WG2218121
Beryllium	U		0.000330	0.00200	1	02/02/2024 19:55	WG2218121
Cadmium	0.000708	B J	0.000479	0.00200	1	02/02/2024 19:55	WG2218121
Chromium	U		0.00140	0.0100	1	02/02/2024 19:55	WG2218121
Copper	0.00573	J	0.00368	0.0100	1	02/02/2024 19:55	WG2218121
Lead	U		0.00299	0.00600	1	02/02/2024 19:55	WG2218121
Nickel	0.00249	B J	0.00161	0.0100	1	02/02/2024 19:55	WG2218121
Selenium	U		0.00735	0.0100	1	02/02/2024 19:55	WG2218121
Silver	U		0.00154	0.00500	1	02/02/2024 19:55	WG2218121
Thallium	U		0.00431	0.0100	1	02/02/2024 19:55	WG2218121
Zinc	U		0.00652	0.0500	1	02/02/2024 19:55	WG2218121

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	02/03/2024 20:29	WG2218735
(S) a,a,a-Trifluorotoluene(FID)	98.2			78.0-120		02/03/2024 20:29	WG2218735

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/01/2024 20:00	WG2218041
Toluene	U		0.000278	0.00100	1	02/01/2024 20:00	WG2218041
Ethylbenzene	U		0.000137	0.00100	1	02/01/2024 20:00	WG2218041
Xylenes, Total	U		0.000174	0.00300	1	02/01/2024 20:00	WG2218041
Naphthalene	U		0.00100	0.00500	1	02/01/2024 20:00	WG2218041
Isopropylbenzene	U		0.000105	0.00100	1	02/01/2024 20:00	WG2218041
n-Propylbenzene	U		0.0000993	0.00100	1	02/01/2024 20:00	WG2218041
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/01/2024 20:00	WG2218041
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/01/2024 20:00	WG2218041
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/01/2024 20:00	WG2218041
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/01/2024 20:00	WG2218041
1,2-Dibromoethane	U		0.000126	0.00100	1	02/01/2024 20:00	WG2218041
Tetrachloroethene	U		0.000300	0.00100	1	02/01/2024 20:00	WG2218041
Trichloroethene	U		0.000190	0.00100	1	02/01/2024 20:00	WG2218041
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/01/2024 20:00	WG2218041
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/01/2024 20:00	WG2218041
1,1-Dichloroethene	U		0.000188	0.00100	1	02/01/2024 20:00	WG2218041
1,1-Dichloroethane	U		0.000100	0.00100	1	02/01/2024 20:00	WG2218041
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/01/2024 20:00	WG2218041
Vinyl chloride	U		0.000234	0.00100	1	02/01/2024 20:00	WG2218041
1,4-Dioxane	U		0.0360	0.100	1	02/01/2024 20:00	WG2218041
(S) Toluene-d8	107			80.0-120		02/01/2024 20:00	WG2218041
(S) 4-Bromofluorobenzene	94.9			77.0-126		02/01/2024 20:00	WG2218041
(S) 1,2-Dichloroethane-d4	99.4			70.0-130		02/01/2024 20:00	WG2218041

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0507	J	0.0247	0.100	1	02/04/2024 23:03	WG2219218
(S) o-Terphenyl	86.8			31.0-160		02/04/2024 23:03	WG2219218

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1221	U		0.000270	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1232	U		0.000270	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1242	U		0.000270	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1248	U		0.000173	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1254	U		0.000173	0.000500	1	02/06/2024 03:04	WG2219639
PCB 1260	U		0.000173	0.000500	1	02/06/2024 03:04	WG2219639
(S) Decachlorobiphenyl	55.2			10.0-128		02/06/2024 03:04	WG2219639
(S) Tetrachloro-m-xylene	73.1			10.0-127		02/06/2024 03:04	WG2219639

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/02/2024 00:38	WG2218115
Acenaphthene	U		0.0000190	0.0000500	1	02/02/2024 00:38	WG2218115
Benzo(a)anthracene	U		0.0000203	0.0000500	1	02/02/2024 00:38	WG2218115
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/02/2024 00:38	WG2218115
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/02/2024 00:38	WG2218115
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/02/2024 00:38	WG2218115
Chrysene	U		0.0000179	0.0000500	1	02/02/2024 00:38	WG2218115
Fluoranthene	U		0.0000270	0.000100	1	02/02/2024 00:38	WG2218115
Fluorene	U		0.0000169	0.0000500	1	02/02/2024 00:38	WG2218115
Pyrene	U		0.0000169	0.0000500	1	02/02/2024 00:38	WG2218115
(S) Nitrobenzene-d5	81.0			31.0-160		02/02/2024 00:38	WG2218115
(S) 2-Fluorobiphenyl	114			48.0-148		02/02/2024 00:38	WG2218115
(S) p-Terphenyl-d14	116			37.0-146		02/02/2024 00:38	WG2218115

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	6.89	T8	1	02/02/2024 12:50	WG2218654

Sample Narrative:

L1700961-03 WG2218654: 6.89 at 18.7C

Wet Chemistry by Method D93/1010A

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Flashpoint	DNF at 170		1	02/01/2024 21:22	WG2218321

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	02/02/2024 14:49	WG2217495

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	U		0.00440	0.0100	1	02/02/2024 19:57	WG2218121
Barium	0.0956		0.000736	0.00500	1	02/02/2024 19:57	WG2218121
Cadmium	0.00139	B J	0.000479	0.00200	1	02/02/2024 19:57	WG2218121
Chromium	0.00871	J	0.00140	0.0100	1	02/02/2024 19:57	WG2218121
Lead	0.0100		0.00299	0.00600	1	02/02/2024 19:57	WG2218121
Selenium	U		0.00735	0.0100	1	02/02/2024 19:57	WG2218121
Silver	U		0.00154	0.00500	1	02/02/2024 19:57	WG2218121

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	02/03/2024 20:53	WG2218735
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		02/03/2024 20:53	WG2218735

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	02/02/2024 06:26	WG2218448
Acrolein	U	J4	0.00254	0.0500	1	02/02/2024 06:26	WG2218448
Acrylonitrile	U		0.000671	0.0100	1	02/02/2024 06:26	WG2218448
Benzene	U		0.0000941	0.00100	1	02/02/2024 06:26	WG2218448
Bromobenzene	U		0.000118	0.00100	1	02/02/2024 06:26	WG2218448
Bromodichloromethane	U		0.000136	0.00100	1	02/02/2024 06:26	WG2218448
Bromoform	U		0.000129	0.00100	1	02/02/2024 06:26	WG2218448
Bromomethane	U		0.000605	0.00500	1	02/02/2024 06:26	WG2218448
n-Butylbenzene	U	J4	0.000157	0.00100	1	02/02/2024 06:26	WG2218448
sec-Butylbenzene	U		0.000125	0.00100	1	02/02/2024 06:26	WG2218448
tert-Butylbenzene	U		0.000127	0.00100	1	02/02/2024 06:26	WG2218448
Carbon tetrachloride	U		0.000128	0.00100	1	02/02/2024 06:26	WG2218448
Chlorobenzene	U		0.000116	0.00100	1	02/02/2024 06:26	WG2218448
Chlorodibromomethane	U		0.000140	0.00100	1	02/02/2024 06:26	WG2218448
Chloroethane	U		0.000192	0.00500	1	02/02/2024 06:26	WG2218448
Chloroform	U		0.000111	0.00500	1	02/02/2024 06:26	WG2218448
Chloromethane	U		0.000960	0.00250	1	02/02/2024 06:26	WG2218448
2-Chlorotoluene	U		0.000106	0.00100	1	02/02/2024 06:26	WG2218448

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000114	0.00100	1	02/02/2024 06:26	WG2218448
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/02/2024 06:26	WG2218448
1,2-Dibromoethane	U		0.000126	0.00100	1	02/02/2024 06:26	WG2218448
Dibromomethane	U		0.000122	0.00100	1	02/02/2024 06:26	WG2218448
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/02/2024 06:26	WG2218448
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/02/2024 06:26	WG2218448
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/02/2024 06:26	WG2218448
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/02/2024 06:26	WG2218448
1,1-Dichloroethane	U		0.000100	0.00100	1	02/02/2024 06:26	WG2218448
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/02/2024 06:26	WG2218448
1,1-Dichloroethene	U		0.000188	0.00100	1	02/02/2024 06:26	WG2218448
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/02/2024 06:26	WG2218448
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/02/2024 06:26	WG2218448
1,2-Dichloropropane	U		0.000149	0.00100	1	02/02/2024 06:26	WG2218448
1,1-Dichloropropene	U		0.000142	0.00100	1	02/02/2024 06:26	WG2218448
1,3-Dichloropropane	U		0.000110	0.00100	1	02/02/2024 06:26	WG2218448
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/02/2024 06:26	WG2218448
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/02/2024 06:26	WG2218448
2,2-Dichloropropane	U		0.000161	0.00100	1	02/02/2024 06:26	WG2218448
Di-isopropyl ether	U		0.000105	0.00100	1	02/02/2024 06:26	WG2218448
Ethylbenzene	U		0.000137	0.00100	1	02/02/2024 06:26	WG2218448
Hexachloro-1,3-butadiene	U	J4	0.000337	0.00100	1	02/02/2024 06:26	WG2218448
Isopropylbenzene	U		0.000105	0.00100	1	02/02/2024 06:26	WG2218448
p-Isopropyltoluene	U		0.000120	0.00100	1	02/02/2024 06:26	WG2218448
2-Butanone (MEK)	U		0.00119	0.0100	1	02/02/2024 06:26	WG2218448
Methylene Chloride	U		0.000430	0.00500	1	02/02/2024 06:26	WG2218448
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/02/2024 06:26	WG2218448
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/02/2024 06:26	WG2218448
Naphthalene	U		0.00100	0.00500	1	02/02/2024 06:26	WG2218448
n-Propylbenzene	U		0.0000993	0.00100	1	02/02/2024 06:26	WG2218448
Styrene	U		0.000118	0.00100	1	02/02/2024 06:26	WG2218448
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/02/2024 06:26	WG2218448
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/02/2024 06:26	WG2218448
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/02/2024 06:26	WG2218448
Tetrachloroethene	0.00353		0.000300	0.00100	1	02/02/2024 06:26	WG2218448
Toluene	0.000693	J	0.000278	0.00100	1	02/02/2024 06:26	WG2218448
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/02/2024 06:26	WG2218448
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/02/2024 06:26	WG2218448
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/02/2024 06:26	WG2218448
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/02/2024 06:26	WG2218448
Trichloroethene	U		0.000190	0.00100	1	02/02/2024 06:26	WG2218448
Trichlorofluoromethane	U		0.000160	0.00500	1	02/02/2024 06:26	WG2218448
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/02/2024 06:26	WG2218448
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/02/2024 06:26	WG2218448
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	02/02/2024 06:26	WG2218448
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/02/2024 06:26	WG2218448
Vinyl chloride	U		0.000234	0.00100	1	02/02/2024 06:26	WG2218448
Xylenes, Total	0.000217	J	0.000174	0.00300	1	02/02/2024 06:26	WG2218448
(S) Toluene-d8	104			80.0-120		02/02/2024 06:26	WG2218448
(S) 4-Bromofluorobenzene	109			77.0-126		02/02/2024 06:26	WG2218448
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		02/02/2024 06:26	WG2218448

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.09		0.0247	0.100	1	02/02/2024 03:44	WG2218098

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) o-Terphenyl	112			31.0-160		02/02/2024 03:44	WG2218098

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/02/2024 02:17	WG2218115
Acenaphthene	U		0.0000190	0.0000500	1	02/02/2024 02:17	WG2218115
Benzo(a)anthracene	U		0.0000203	0.0000500	1	02/02/2024 02:17	WG2218115
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/02/2024 02:17	WG2218115
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/02/2024 02:17	WG2218115
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/02/2024 02:17	WG2218115
Chrysene	U		0.0000179	0.0000500	1	02/02/2024 02:17	WG2218115
Fluoranthene	U		0.0000270	0.000100	1	02/02/2024 02:17	WG2218115
Fluorene	U		0.0000169	0.0000500	1	02/02/2024 02:17	WG2218115
Pyrene	0.0000249	J	0.0000169	0.0000500	1	02/02/2024 02:17	WG2218115
(S) Nitrobenzene-d5	55.5			31.0-160		02/02/2024 02:17	WG2218115
(S) 2-Fluorobiphenyl	60.5			48.0-148		02/02/2024 02:17	WG2218115
(S) p-Terphenyl-d14	47.0			37.0-146		02/02/2024 02:17	WG2218115

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	02/02/2024 04:24	WG2218448
Acrolein	U	J4	0.00254	0.0500	1	02/02/2024 04:24	WG2218448
Acrylonitrile	U		0.000671	0.0100	1	02/02/2024 04:24	WG2218448
Benzene	U		0.0000941	0.00100	1	02/02/2024 04:24	WG2218448
Bromobenzene	U		0.000118	0.00100	1	02/02/2024 04:24	WG2218448
Bromodichloromethane	U		0.000136	0.00100	1	02/02/2024 04:24	WG2218448
Bromoform	U		0.000129	0.00100	1	02/02/2024 04:24	WG2218448
Bromomethane	U		0.000605	0.00500	1	02/02/2024 04:24	WG2218448
n-Butylbenzene	U	J4	0.000157	0.00100	1	02/02/2024 04:24	WG2218448
sec-Butylbenzene	U		0.000125	0.00100	1	02/02/2024 04:24	WG2218448
tert-Butylbenzene	U		0.000127	0.00100	1	02/02/2024 04:24	WG2218448
Carbon tetrachloride	U		0.000128	0.00100	1	02/02/2024 04:24	WG2218448
Chlorobenzene	U		0.000116	0.00100	1	02/02/2024 04:24	WG2218448
Chlorodibromomethane	U		0.000140	0.00100	1	02/02/2024 04:24	WG2218448
Chloroethane	U		0.000192	0.00500	1	02/02/2024 04:24	WG2218448
Chloroform	U		0.000111	0.00500	1	02/02/2024 04:24	WG2218448
Chloromethane	U		0.000960	0.00250	1	02/02/2024 04:24	WG2218448
2-Chlorotoluene	U		0.000106	0.00100	1	02/02/2024 04:24	WG2218448
4-Chlorotoluene	U		0.000114	0.00100	1	02/02/2024 04:24	WG2218448
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/02/2024 04:24	WG2218448
1,2-Dibromoethane	U		0.000126	0.00100	1	02/02/2024 04:24	WG2218448
Dibromomethane	U		0.000122	0.00100	1	02/02/2024 04:24	WG2218448
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/02/2024 04:24	WG2218448
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/02/2024 04:24	WG2218448
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/02/2024 04:24	WG2218448
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/02/2024 04:24	WG2218448
1,1-Dichloroethane	U		0.000100	0.00100	1	02/02/2024 04:24	WG2218448
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/02/2024 04:24	WG2218448
1,1-Dichloroethene	U		0.000188	0.00100	1	02/02/2024 04:24	WG2218448
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/02/2024 04:24	WG2218448
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/02/2024 04:24	WG2218448
1,2-Dichloropropane	U		0.000149	0.00100	1	02/02/2024 04:24	WG2218448
1,1-Dichloropropene	U		0.000142	0.00100	1	02/02/2024 04:24	WG2218448
1,3-Dichloropropane	U		0.000110	0.00100	1	02/02/2024 04:24	WG2218448
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/02/2024 04:24	WG2218448
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/02/2024 04:24	WG2218448
2,2-Dichloropropane	U		0.000161	0.00100	1	02/02/2024 04:24	WG2218448
Di-isopropyl ether	U		0.000105	0.00100	1	02/02/2024 04:24	WG2218448
Ethylbenzene	U		0.000137	0.00100	1	02/02/2024 04:24	WG2218448
Hexachloro-1,3-butadiene	U	J4	0.000337	0.00100	1	02/02/2024 04:24	WG2218448
Isopropylbenzene	U		0.000105	0.00100	1	02/02/2024 04:24	WG2218448
p-Isopropyltoluene	U		0.000120	0.00100	1	02/02/2024 04:24	WG2218448
2-Butanone (MEK)	U		0.00119	0.0100	1	02/02/2024 04:24	WG2218448
Methylene Chloride	U		0.000430	0.00500	1	02/02/2024 04:24	WG2218448
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/02/2024 04:24	WG2218448
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/02/2024 04:24	WG2218448
Naphthalene	U		0.00100	0.00500	1	02/02/2024 04:24	WG2218448
n-Propylbenzene	U		0.0000993	0.00100	1	02/02/2024 04:24	WG2218448
Styrene	U		0.000118	0.00100	1	02/02/2024 04:24	WG2218448
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/02/2024 04:24	WG2218448
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/02/2024 04:24	WG2218448
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/02/2024 04:24	WG2218448
Tetrachloroethene	U		0.000300	0.00100	1	02/02/2024 04:24	WG2218448
Toluene	U		0.000278	0.00100	1	02/02/2024 04:24	WG2218448
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/02/2024 04:24	WG2218448
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/02/2024 04:24	WG2218448

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/02/2024 04:24	WG2218448
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/02/2024 04:24	WG2218448
Trichloroethene	U		0.000190	0.00100	1	02/02/2024 04:24	WG2218448
Trichlorofluoromethane	U		0.000160	0.00500	1	02/02/2024 04:24	WG2218448
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/02/2024 04:24	WG2218448
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/02/2024 04:24	WG2218448
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	02/02/2024 04:24	WG2218448
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/02/2024 04:24	WG2218448
Vinyl chloride	U		0.000234	0.00100	1	02/02/2024 04:24	WG2218448
Xylenes, Total	U		0.000174	0.00300	1	02/02/2024 04:24	WG2218448
(S) Toluene-d8	111			80.0-120		02/02/2024 04:24	WG2218448
(S) 4-Bromofluorobenzene	107			77.0-126		02/02/2024 04:24	WG2218448
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		02/02/2024 04:24	WG2218448

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1700674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1700674-01 02/02/24 12:50 • (DUP) R4029268-2 02/02/24 12:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.17	7.14	1	0.419		1

Sample Narrative:

OS: 7.17 at 19.9C

DUP: 7.14 at 19.5C

L1701351-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701351-01 02/02/24 12:50 • (DUP) R4029268-3 02/02/24 12:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.85	7.86	1	0.127		1

Sample Narrative:

OS: 7.85 at 20.1C

DUP: 7.86 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R4029268-1 02/02/24 12:50

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

Sample Narrative:

LCS: 10 at 20.8C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1701088-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701088-01 02/01/24 21:22 • (DUP) R4029007-3 02/01/24 21:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	deg F	deg F		%		%
Flashpoint	DNF at 170	DNF at 170	1	0.000		10

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

(LCS) R4029007-1 02/01/24 21:22 • (LCSD) R4029007-2 02/01/24 21:22

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	deg F	deg F	deg F	%	%	%			%	%
Flashpoint	126	131	127	104	101	96.0-104			3.11	10

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4029335-1 02/02/24 13:44

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4029335-2 02/02/24 13:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Mercury	0.00300	0.00291	97.1	80.0-120	

L1700666-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700666-01 02/02/24 13:49 • (MS) R4029335-3 02/02/24 13:52 • (MSD) R4029335-4 02/02/24 13:54

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	U	0.000671	0.000750	22.4	25.0	1	75.0-125	J6	J6	11.0	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029408-1 02/02/24 19:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.00430	0.0100
Arsenic	U		0.00440	0.0100
Barium	U		0.000736	0.00500
Beryllium	U		0.000330	0.00200
Cadmium	0.000799	U	0.000479	0.00200
Chromium	U		0.00140	0.0100
Copper	U		0.00368	0.0100
Lead	U		0.00299	0.00600
Nickel	0.00213	U	0.00161	0.0100
Selenium	U		0.00735	0.0100
Silver	U		0.00154	0.00500
Thallium	U		0.00431	0.0100
Zinc	U		0.00652	0.0500

Laboratory Control Sample (LCS)

(LCS) R4029408-2 02/02/24 19:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	1.00	0.936	93.6	80.0-120	
Arsenic	1.00	0.883	88.3	80.0-120	
Barium	1.00	0.965	96.5	80.0-120	
Beryllium	1.00	0.960	96.0	80.0-120	
Cadmium	1.00	0.931	93.1	80.0-120	
Chromium	1.00	0.935	93.5	80.0-120	
Copper	1.00	0.976	97.6	80.0-120	
Lead	1.00	0.900	90.0	80.0-120	
Nickel	1.00	0.880	88.0	80.0-120	
Selenium	1.00	0.841	84.1	80.0-120	
Silver	0.200	0.181	90.7	80.0-120	
Thallium	1.00	0.961	96.1	80.0-120	
Zinc	1.00	0.895	89.5	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1700912-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700912-04 02/02/24 19:16 • (MS) R4029408-4 02/02/24 19:19 • (MSD) R4029408-5 02/02/24 19:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	1.00	U	0.963	0.977	96.3	97.7	1	75.0-125			1.44	20
Arsenic	1.00	U	0.963	0.965	96.3	96.5	1	75.0-125			0.183	20
Barium	1.00	0.0144	0.971	0.979	95.7	96.5	1	75.0-125			0.845	20
Beryllium	1.00	U	0.974	0.980	97.4	98.0	1	75.0-125			0.610	20
Cadmium	1.00	0.00208	0.970	0.987	96.8	98.5	1	75.0-125			1.70	20
Chromium	1.00	U	0.941	0.945	94.1	94.5	1	75.0-125			0.430	20
Copper	1.00	U	0.972	0.974	97.2	97.4	1	75.0-125			0.257	20
Lead	1.00	U	0.923	0.929	92.3	92.9	1	75.0-125			0.670	20
Nickel	1.00	0.0235	0.978	0.960	95.5	93.7	1	75.0-125			1.86	20
Selenium	1.00	U	1.00	0.988	100	98.8	1	75.0-125			1.40	20
Silver	0.200	0.00839	0.200	0.199	96.0	95.5	1	75.0-125			0.502	20
Thallium	1.00	U	0.950	0.943	95.0	94.3	1	75.0-125			0.722	20
Zinc	1.00	0.00818	0.934	0.922	92.6	91.4	1	75.0-125			1.28	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4029577-2 02/03/24 13:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.3			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4029577-1 02/03/24 12:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.38	116	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4029259-3 02/01/24 21:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029259-3 02/01/24 21:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	108			80.0-120
(S) 4-Bromofluorobenzene	98.9			77.0-126
(S) 1,2-Dichloroethane-d4	98.9			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4029259-1 02/01/24 21:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0305	122	19.0-160	
Acrolein	0.0250	0.0491	196	10.0-160	J4
Acrylonitrile	0.0250	0.0262	105	55.0-149	
Benzene	0.00500	0.00471	94.2	70.0-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4029259-1 02/01/24 21:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromobenzene	0.00500	0.00387	77.4	73.0-121	
Bromodichloromethane	0.00500	0.00438	87.6	75.0-120	
Bromoform	0.00500	0.00529	106	68.0-132	
Bromomethane	0.00500	0.00543	109	10.0-160	
n-Butylbenzene	0.00500	0.00671	134	73.0-125	J4
sec-Butylbenzene	0.00500	0.00530	106	75.0-125	
tert-Butylbenzene	0.00500	0.00489	97.8	76.0-124	
Carbon tetrachloride	0.00500	0.00456	91.2	68.0-126	
Chlorobenzene	0.00500	0.00591	118	80.0-121	
Chlorodibromomethane	0.00500	0.00516	103	77.0-125	
Chloroethane	0.00500	0.00457	91.4	47.0-150	
Chloroform	0.00500	0.00464	92.8	73.0-120	
Chloromethane	0.00500	0.00500	100	41.0-142	
2-Chlorotoluene	0.00500	0.00409	81.8	76.0-123	
4-Chlorotoluene	0.00500	0.00398	79.6	75.0-122	
1,2-Dibromo-3-Chloropropane	0.00500	0.00405	81.0	58.0-134	
1,2-Dibromoethane	0.00500	0.00549	110	80.0-122	
Dibromomethane	0.00500	0.00465	93.0	80.0-120	
1,2-Dichlorobenzene	0.00500	0.00510	102	79.0-121	
1,3-Dichlorobenzene	0.00500	0.00519	104	79.0-120	
1,4-Dichlorobenzene	0.00500	0.00517	103	79.0-120	
Dichlorodifluoromethane	0.00500	0.00470	94.0	51.0-149	
1,1-Dichloroethane	0.00500	0.00486	97.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00462	92.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00477	95.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00501	100	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00475	95.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00462	92.4	77.0-125	
1,1-Dichloropropene	0.00500	0.00435	87.0	74.0-126	
1,3-Dichloropropane	0.00500	0.00487	97.4	80.0-120	
cis-1,3-Dichloropropene	0.00500	0.00429	85.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00470	94.0	78.0-124	
2,2-Dichloropropane	0.00500	0.00531	106	58.0-130	
Di-isopropyl ether	0.00500	0.00485	97.0	58.0-138	
Ethylbenzene	0.00500	0.00578	116	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00727	145	54.0-138	J4
Isopropylbenzene	0.00500	0.00582	116	76.0-127	
p-Isopropyltoluene	0.00500	0.00552	110	76.0-125	
2-Butanone (MEK)	0.0250	0.0239	95.6	44.0-160	
Methylene Chloride	0.00500	0.00449	89.8	67.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4029259-1 02/01/24 21:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Methyl-2-pentanone (MIBK)	0.0250	0.0292	117	68.0-142	
Methyl tert-butyl ether	0.00500	0.00432	86.4	68.0-125	
Naphthalene	0.00500	0.00468	93.6	54.0-135	
n-Propylbenzene	0.00500	0.00424	84.8	77.0-124	
Styrene	0.00500	0.00552	110	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00588	118	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00392	78.4	65.0-130	
1,1,2-Trichlorotrifluoroethane	0.00500	0.00517	103	69.0-132	
Tetrachloroethene	0.00500	0.00610	122	72.0-132	
Toluene	0.00500	0.00507	101	79.0-120	
1,2,3-Trichlorobenzene	0.00500	0.00647	129	50.0-138	
1,2,4-Trichlorobenzene	0.00500	0.00652	130	57.0-137	
1,1,1-Trichloroethane	0.00500	0.00429	85.8	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00528	106	80.0-120	
Trichloroethene	0.00500	0.00539	108	78.0-124	
Trichlorofluoromethane	0.00500	0.00529	106	59.0-147	
1,2,3-Trichloropropane	0.00500	0.00398	79.6	73.0-130	
1,2,4-Trimethylbenzene	0.00500	0.00456	91.2	76.0-121	
1,2,3-Trimethylbenzene	0.00500	0.00482	96.4	77.0-120	
1,3,5-Trimethylbenzene	0.00500	0.00451	90.2	76.0-122	
Vinyl chloride	0.00500	0.00431	86.2	67.0-131	
Xylenes, Total	0.0150	0.0180	120	79.0-123	
(S) Toluene-d8			107	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			97.2	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029236-4 02/01/24 10:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
Naphthalene	U		0.00100	0.00500
Isopropylbenzene	U		0.000105	0.00100
n-Propylbenzene	U		0.0000993	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
Vinyl chloride	U		0.000234	0.00100
1,4-Dioxane	U		0.0360	0.100
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	89.5			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4029236-1 02/01/24 09:26 • (LCSD) R4029236-2 02/01/24 09:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00479	0.00474	95.8	94.8	70.0-123			1.05	20
Toluene	0.00500	0.00507	0.00523	101	105	79.0-120			3.11	20
Ethylbenzene	0.00500	0.00584	0.00600	117	120	79.0-123			2.70	20
Xylenes, Total	0.0150	0.0179	0.0176	119	117	79.0-123			1.69	20
Naphthalene	0.00500	0.00535	0.00516	107	103	54.0-135			3.62	20
Isopropylbenzene	0.00500	0.00609	0.00601	122	120	76.0-127			1.32	20
n-Propylbenzene	0.00500	0.00415	0.00430	83.0	86.0	77.0-124			3.55	20
1,2,4-Trimethylbenzene	0.00500	0.00477	0.00479	95.4	95.8	76.0-121			0.418	20
1,3,5-Trimethylbenzene	0.00500	0.00471	0.00463	94.2	92.6	76.0-122			1.71	20

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

(LCS) R4029236-1 02/01/24 09:26 • (LCSD) R4029236-2 02/01/24 09:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00438	0.00430	87.6	86.0	68.0-125			1.84	20
1,2-Dichloroethane	0.00500	0.00445	0.00441	89.0	88.2	70.0-128			0.903	20
1,2-Dibromoethane	0.00500	0.00549	0.00556	110	111	80.0-122			1.27	20
Tetrachloroethene	0.00500	0.00629	0.00610	126	122	72.0-132			3.07	20
Trichloroethene	0.00500	0.00524	0.00532	105	106	78.0-124			1.52	20
cis-1,2-Dichloroethene	0.00500	0.00486	0.00492	97.2	98.4	73.0-120			1.23	20
trans-1,2-Dichloroethene	0.00500	0.00474	0.00489	94.8	97.8	73.0-120			3.12	20
1,1-Dichloroethene	0.00500	0.00474	0.00473	94.8	94.6	71.0-124			0.211	20
1,1-Dichloroethane	0.00500	0.00461	0.00453	92.2	90.6	70.0-126			1.75	20
1,1,1-Trichloroethane	0.00500	0.00432	0.00420	86.4	84.0	73.0-124			2.82	20
Vinyl chloride	0.00500	0.00404	0.00419	80.8	83.8	67.0-131			3.65	20
(S) Toluene-d8				109	108	80.0-120				
(S) 4-Bromofluorobenzene				105	105	77.0-126				
(S) 1,2-Dichloroethane-d4				89.0	89.0	70.0-130				

Laboratory Control Sample (LCS)

(LCS) R4029236-3 02/01/24 10:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,4-Dioxane	1.00	1.19	119	13.0-160	
(S) Toluene-d8			112	80.0-120	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) 1,2-Dichloroethane-d4			84.5	70.0-130	

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Method Blank (MB)

(MB) R4029021-1 02/01/24 23:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0312	⬇	0.0247	0.100
(S) o-Terphenyl	135			31.0-160

Sample Narrative:

BLANK: Surrogate failure due to matrix interference

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

(LCS) R4029021-2 02/02/24 00:13 • (LCSD) R4029021-3 02/02/24 00:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.33	1.53	88.7	102	50.0-150			14.0	20
(S) o-Terphenyl				85.0	81.0	31.0-160				

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Method Blank (MB)

(MB) R4029735-1 02/04/24 22:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	87.5			31.0-160

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

(LCS) R4029735-2 02/04/24 22:21 • (LCSD) R4029735-3 02/04/24 22:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.57	1.63	105	109	50.0-150			3.75	20
(S) o-Terphenyl				90.0	91.5	31.0-160				

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Method Blank (MB)

(MB) R4030494-1 02/06/24 02:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	U		0.000270	0.000500
PCB 1221	U		0.000270	0.000500
PCB 1232	U		0.000270	0.000500
PCB 1242	U		0.000270	0.000500
PCB 1248	U		0.000173	0.000500
PCB 1254	U		0.000173	0.000500
PCB 1260	U		0.000173	0.000500
(S) Decachlorobiphenyl	60.8			10.0-128
(S) Tetrachloro-m-xylene	87.6			10.0-127

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

(LCS) R4030494-2 02/06/24 02:34 • (LCSD) R4030494-3 02/06/24 02:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.00250	0.00306	0.00274	122	110	36.0-135			11.0	29
PCB 1260	0.00250	0.00210	0.00204	84.0	81.6	42.0-131			2.90	25
(S) Decachlorobiphenyl				59.7	49.3	10.0-128				
(S) Tetrachloro-m-xylene				87.7	88.1	10.0-127				

1Cp

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9Sc

Method Blank (MB)

(MB) R4032014-3 02/01/24 23:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Pyrene	U		0.0000169	0.0000500
(S) Nitrobenzene-d5	118			31.0-160
(S) 2-Fluorobiphenyl	131			48.0-148
(S) p-Terphenyl-d14	120			37.0-146

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

(LCS) R4032014-1 02/01/24 23:20 • (LCSD) R4032014-2 02/01/24 23:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00203	0.00206	102	103	67.0-150			1.47	20
Acenaphthene	0.00200	0.00216	0.00216	108	108	65.0-138			0.000	20
Benzo(a)anthracene	0.00200	0.00218	0.00218	109	109	61.0-140			0.000	20
Benzo(a)pyrene	0.00200	0.00198	0.00200	99.0	100	60.0-143			1.01	20
Benzo(b)fluoranthene	0.00200	0.00200	0.00209	100	105	58.0-141			4.40	20
Benzo(k)fluoranthene	0.00200	0.00185	0.00184	92.5	92.0	58.0-148			0.542	20
Chrysene	0.00200	0.00224	0.00227	112	114	64.0-144			1.33	20
Fluoranthene	0.00200	0.00218	0.00220	109	110	69.0-153			0.913	20
Fluorene	0.00200	0.00222	0.00226	111	113	64.0-136			1.79	20
Pyrene	0.00200	0.00220	0.00226	110	113	60.0-142			2.69	20
(S) Nitrobenzene-d5				105	107	31.0-160				
(S) 2-Fluorobiphenyl				112	114	48.0-148				
(S) p-Terphenyl-d14				104	107	37.0-146				

1Cp

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

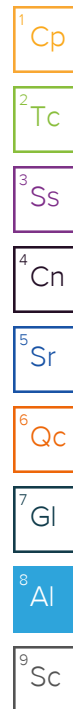
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1700956
Samples Received: 01/31/2024
Project Number: 22136
Description: OMSI District Road Parcels Sampling

Report To: Sarah Weppner
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

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

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¹ Cp
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⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

IDW-SOIL L1700956-01 Solid

Collected by
Brady Brantley

Collected date/time
01/25/24 08:30

Received date/time
01/31/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9045D	WG2219020	1	02/02/24 15:58	02/06/24 09:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method D93/1010A	WG2219865	1	02/05/24 02:47	02/05/24 02:47	WOS	Mt. Juliet, TN
Mercury by Method 7471B	WG2218362	1	02/03/24 20:28	02/05/24 12:17	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2218682	1	02/02/24 21:16	02/03/24 10:30	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2219716	25	01/25/24 08:30	02/04/24 14:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2219459	1	01/25/24 08:30	02/03/24 17:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2218425	1	02/02/24 08:23	02/03/24 12:44	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2218523	1	02/02/24 09:39	02/03/24 01:54	JRM	Mt. Juliet, TN

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ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

22136

SDG:

L1700956

DATE/TIME:

02/12/24 15:51

PAGE:

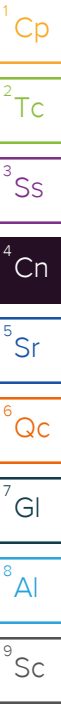
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CASE NARRATIVE

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.



Kelly Mercer
Project Manager



Wet Chemistry by Method 9045D

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	su			date / time	
pH	7.61	T8	1	02/06/2024 09:50	WG2219020

Sample Narrative:

L1700956-01 WG2219020: 7.61 at 19.7C

Wet Chemistry by Method D93/1010A

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	Deg. F			date / time	
Ignitability	DNI at 170		1	02/05/2024 02:47	WG2219865

Mercury by Method 7471B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0294	J	0.0180	0.0400	1	02/05/2024 12:17	WG2218362

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.22		0.518	2.00	1	02/03/2024 10:30	WG2218682
Barium	91.1		0.0852	0.500	1	02/03/2024 10:30	WG2218682
Cadmium	0.0646	J	0.0471	0.500	1	02/03/2024 10:30	WG2218682
Chromium	24.4		0.133	1.00	1	02/03/2024 10:30	WG2218682
Lead	20.3		0.208	0.500	1	02/03/2024 10:30	WG2218682
Selenium	1.03	J	0.764	2.00	1	02/03/2024 10:30	WG2218682
Silver	U		0.127	1.00	1	02/03/2024 10:30	WG2218682

Volatile Organic Compounds (GC) by Method 8015D/GRO

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.543	2.50	25	02/04/2024 14:42	WG2219716
(S) a,a,a-Trifluorotoluene(FID)	91.1			77.0-120		02/04/2024 14:42	WG2219716

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0365	0.0500	1	02/03/2024 17:47	WG2219459
Acrylonitrile	U		0.00361	0.0125	1	02/03/2024 17:47	WG2219459
Benzene	U		0.000467	0.00100	1	02/03/2024 17:47	WG2219459
Bromobenzene	U		0.000900	0.0125	1	02/03/2024 17:47	WG2219459
Bromodichloromethane	U		0.000725	0.00250	1	02/03/2024 17:47	WG2219459
Bromoform	U		0.00117	0.0250	1	02/03/2024 17:47	WG2219459
Bromomethane	U		0.00197	0.0125	1	02/03/2024 17:47	WG2219459
n-Butylbenzene	U		0.00525	0.0125	1	02/03/2024 17:47	WG2219459
sec-Butylbenzene	U		0.00288	0.0125	1	02/03/2024 17:47	WG2219459
tert-Butylbenzene	U		0.00195	0.00500	1	02/03/2024 17:47	WG2219459
Carbon tetrachloride	U		0.000898	0.00500	1	02/03/2024 17:47	WG2219459
Chlorobenzene	U		0.000210	0.00250	1	02/03/2024 17:47	WG2219459
Chlorodibromomethane	U		0.000612	0.00250	1	02/03/2024 17:47	WG2219459
Chloroethane	U		0.00170	0.00500	1	02/03/2024 17:47	WG2219459
Chloroform	U		0.00103	0.00250	1	02/03/2024 17:47	WG2219459
Chloromethane	U		0.00435	0.0125	1	02/03/2024 17:47	WG2219459
2-Chlorotoluene	U		0.000865	0.00250	1	02/03/2024 17:47	WG2219459
4-Chlorotoluene	U		0.000450	0.00500	1	02/03/2024 17:47	WG2219459

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250	1	02/03/2024 17:47	WG2219459
1,2-Dibromoethane	U		0.000648	0.00250	1	02/03/2024 17:47	WG2219459
Dibromomethane	U		0.000750	0.00500	1	02/03/2024 17:47	WG2219459
1,2-Dichlorobenzene	U		0.000425	0.00500	1	02/03/2024 17:47	WG2219459
1,3-Dichlorobenzene	U		0.000600	0.00500	1	02/03/2024 17:47	WG2219459
1,4-Dichlorobenzene	U		0.000700	0.00500	1	02/03/2024 17:47	WG2219459
Dichlorodifluoromethane	U		0.00161	0.00500	1	02/03/2024 17:47	WG2219459
1,1-Dichloroethane	U		0.000491	0.00250	1	02/03/2024 17:47	WG2219459
1,2-Dichloroethane	U		0.000649	0.00250	1	02/03/2024 17:47	WG2219459
1,1-Dichloroethene	U		0.000606	0.00250	1	02/03/2024 17:47	WG2219459
cis-1,2-Dichloroethene	U		0.000734	0.00250	1	02/03/2024 17:47	WG2219459
trans-1,2-Dichloroethene	U		0.00104	0.00500	1	02/03/2024 17:47	WG2219459
1,2-Dichloropropane	U		0.00142	0.00500	1	02/03/2024 17:47	WG2219459
1,1-Dichloropropene	U		0.000809	0.00250	1	02/03/2024 17:47	WG2219459
1,3-Dichloropropane	U		0.000501	0.00500	1	02/03/2024 17:47	WG2219459
cis-1,3-Dichloropropene	U		0.000757	0.00250	1	02/03/2024 17:47	WG2219459
trans-1,3-Dichloropropene	U		0.00114	0.00500	1	02/03/2024 17:47	WG2219459
2,2-Dichloropropane	U		0.00138	0.00250	1	02/03/2024 17:47	WG2219459
Di-isopropyl ether	U		0.000410	0.00100	1	02/03/2024 17:47	WG2219459
Ethylbenzene	U		0.000737	0.00250	1	02/03/2024 17:47	WG2219459
Hexachloro-1,3-butadiene	U		0.00600	0.0250	1	02/03/2024 17:47	WG2219459
Isopropylbenzene	U		0.000425	0.00250	1	02/03/2024 17:47	WG2219459
p-Isopropyltoluene	U		0.00255	0.00500	1	02/03/2024 17:47	WG2219459
2-Butanone (MEK)	U		0.0635	0.100	1	02/03/2024 17:47	WG2219459
Methylene Chloride	0.00958	B J	0.00664	0.0250	1	02/03/2024 17:47	WG2219459
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250	1	02/03/2024 17:47	WG2219459
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/03/2024 17:47	WG2219459
Naphthalene	U		0.00488	0.0125	1	02/03/2024 17:47	WG2219459
n-Propylbenzene	U		0.000950	0.00500	1	02/03/2024 17:47	WG2219459
Styrene	U		0.000229	0.0125	1	02/03/2024 17:47	WG2219459
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250	1	02/03/2024 17:47	WG2219459
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250	1	02/03/2024 17:47	WG2219459
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250	1	02/03/2024 17:47	WG2219459
Tetrachloroethene	U		0.000896	0.00250	1	02/03/2024 17:47	WG2219459
Toluene	0.00142	J	0.00130	0.00500	1	02/03/2024 17:47	WG2219459
1,2,3-Trichlorobenzene	U		0.00733	0.0125	1	02/03/2024 17:47	WG2219459
1,2,4-Trichlorobenzene	U		0.00440	0.0125	1	02/03/2024 17:47	WG2219459
1,1,1-Trichloroethane	U		0.000923	0.00250	1	02/03/2024 17:47	WG2219459
1,1,2-Trichloroethane	U		0.000597	0.00250	1	02/03/2024 17:47	WG2219459
Trichloroethene	U		0.000584	0.00100	1	02/03/2024 17:47	WG2219459
Trichlorofluoromethane	U		0.000827	0.00250	1	02/03/2024 17:47	WG2219459
1,2,3-Trichloropropane	U		0.00162	0.0125	1	02/03/2024 17:47	WG2219459
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/03/2024 17:47	WG2219459
1,2,3-Trimethylbenzene	U		0.00158	0.00500	1	02/03/2024 17:47	WG2219459
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/03/2024 17:47	WG2219459
Vinyl chloride	U		0.00116	0.00250	1	02/03/2024 17:47	WG2219459
Xylenes, Total	U		0.000880	0.00650	1	02/03/2024 17:47	WG2219459
(S) Toluene-d8	110			75.0-131		02/03/2024 17:47	WG2219459
(S) 4-Bromofluorobenzene	95.3			67.0-138		02/03/2024 17:47	WG2219459
(S) 1,2-Dichloroethane-d4	89.9			70.0-130		02/03/2024 17:47	WG2219459

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.33	J	0.769	4.00	1	02/03/2024 12:44	WG2218425
(S) o-Terphenyl	47.1			18.0-148		02/03/2024 12:44	WG2218425

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	02/03/2024 01:54	WG2218523
Anthracene	U		0.00230	0.00600	1	02/03/2024 01:54	WG2218523
Benzo(a)anthracene	0.00652		0.00173	0.00600	1	02/03/2024 01:54	WG2218523
Benzo(a)pyrene	0.00616		0.00179	0.00600	1	02/03/2024 01:54	WG2218523
Benzo(b)fluoranthene	0.00739		0.00153	0.00600	1	02/03/2024 01:54	WG2218523
Benzo(k)fluoranthene	0.00292	J	0.00215	0.00600	1	02/03/2024 01:54	WG2218523
Chrysene	0.00606		0.00232	0.00600	1	02/03/2024 01:54	WG2218523
Fluoranthene	0.0116		0.00227	0.00600	1	02/03/2024 01:54	WG2218523
Fluorene	U		0.00205	0.00600	1	02/03/2024 01:54	WG2218523
Pyrene	0.0116		0.00200	0.00600	1	02/03/2024 01:54	WG2218523
(S) p-Terphenyl-d14	104			23.0-120		02/03/2024 01:54	WG2218523
(S) Nitrobenzene-d5	104			14.0-149		02/03/2024 01:54	WG2218523
(S) 2-Fluorobiphenyl	95.4			34.0-125		02/03/2024 01:54	WG2218523

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1701335-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701335-01 02/06/24 09:50 • (DUP) R4030176-3 02/06/24 09:50

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.25	7.28	1	0.413		1

Sample Narrative:

OS: 7.25 at 19.5C

DUP: 7.28 at 19.4C

Laboratory Control Sample (LCS)

(LCS) R4030176-1 02/06/24 09:50

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 20.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1701268-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701268-01 02/05/24 02:47 • (DUP) R4029681-3 02/05/24 02:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	Deg. F	Deg. F		%		%
Ignitability	127	131	1	3.10		10

L1701894-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1701894-01 02/05/24 02:47 • (DUP) R4029681-5 02/05/24 02:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	Deg. F	Deg. F		%		%
Ignitability	DNI at 170	DNI at 170	1	0.000		10

Sample Narrative:

OS: L1701894-01 ignited at 96F on initial run then DNI @ 170 on two duplicate runs.

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

(LCS) R4029681-1 02/05/24 02:47 • (LCSD) R4029681-2 02/05/24 02:47

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	Deg. F	Deg. F	Deg. F	%	%	%			%	%
Ignitability	126	131	129	104	102	95.6-104			1.54	10



Method Blank (MB)

(MB) R4030005-1 02/05/24 11:05

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4030005-2 02/05/24 11:08

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.577	115	80.0-120	

L1700958-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700958-01 02/05/24 11:10 • (MS) R4030005-3 02/05/24 11:13 • (MSD) R4030005-4 02/05/24 11:15

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0262	0.527	0.528	100	100	1	75.0-125			0.148	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4029486-1 02/03/24 10:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4029486-2 02/03/24 10:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	92.3	92.3	80.0-120	
Barium	100	96.2	96.2	80.0-120	
Cadmium	100	93.1	93.1	80.0-120	
Chromium	100	94.1	94.1	80.0-120	
Lead	100	94.2	94.2	80.0-120	
Selenium	100	88.2	88.2	80.0-120	
Silver	20.0	17.4	87.2	80.0-120	

L1700957-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700957-03 02/03/24 10:08 • (MS) R4029486-5 02/03/24 10:13 • (MSD) R4029486-6 02/03/24 10:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.10	82.2	81.8	81.1	80.7	1	75.0-125			0.418	20
Barium	100	23.7	117	113	93.1	89.0	1	75.0-125			3.55	20
Cadmium	100	U	84.8	82.4	84.8	82.4	1	75.0-125			2.81	20
Chromium	100	6.22	93.8	92.0	87.6	85.8	1	75.0-125			1.90	20
Lead	100	7.89	101	94.0	93.3	86.1	1	75.0-125			7.40	20
Selenium	100	U	89.9	86.2	89.9	86.2	1	75.0-125			4.15	20
Silver	20.0	U	16.4	16.0	81.8	80.1	1	75.0-125			1.98	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4029714-3 02/04/24 11:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	92.2			77.0-120

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

(LCS) R4029714-1 02/04/24 10:27 • (LCSD) R4029714-2 02/04/24 10:47

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 %
TPH (GC/FID) Low Fraction	5.50	4.81	5.69	87.5	103	72.0-127			16.8	20
(S) a,a,a-Trifluorotoluene(FID)				99.7	101	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4030187-2 02/03/24 11:36

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 tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4030187-2 02/03/24 11:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	0.00768	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	0.00993	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	0.00205	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	107			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	93.2			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4030187-1 02/03/24 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.584	93.4	10.0-160	
Acrylonitrile	0.625	0.682	109	45.0-153	
Benzene	0.125	0.126	101	70.0-123	
Bromobenzene	0.125	0.138	110	73.0-121	
Bromodichloromethane	0.125	0.133	106	73.0-121	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4030187-1 02/03/24 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromoform	0.125	0.127	102	64.0-132	
Bromomethane	0.125	0.105	84.0	56.0-147	
n-Butylbenzene	0.125	0.128	102	68.0-135	
sec-Butylbenzene	0.125	0.148	118	74.0-130	
tert-Butylbenzene	0.125	0.142	114	75.0-127	
Carbon tetrachloride	0.125	0.123	98.4	66.0-128	
Chlorobenzene	0.125	0.134	107	76.0-128	
Chlorodibromomethane	0.125	0.143	114	74.0-127	
Chloroethane	0.125	0.113	90.4	61.0-134	
Chloroform	0.125	0.125	100	72.0-123	
Chloromethane	0.125	0.104	83.2	51.0-138	
2-Chlorotoluene	0.125	0.141	113	75.0-124	
4-Chlorotoluene	0.125	0.149	119	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.115	92.0	59.0-130	
1,2-Dibromoethane	0.125	0.142	114	74.0-128	
Dibromomethane	0.125	0.131	105	75.0-122	
1,2-Dichlorobenzene	0.125	0.138	110	76.0-124	
1,3-Dichlorobenzene	0.125	0.144	115	76.0-125	
1,4-Dichlorobenzene	0.125	0.131	105	77.0-121	
Dichlorodifluoromethane	0.125	0.0851	68.1	43.0-156	
1,1-Dichloroethane	0.125	0.131	105	70.0-127	
1,2-Dichloroethane	0.125	0.125	100	65.0-131	
1,1-Dichloroethene	0.125	0.141	113	65.0-131	
cis-1,2-Dichloroethene	0.125	0.123	98.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.134	107	71.0-125	
1,2-Dichloropropane	0.125	0.140	112	74.0-125	
1,1-Dichloropropene	0.125	0.141	113	73.0-125	
1,3-Dichloropropane	0.125	0.148	118	80.0-125	
cis-1,3-Dichloropropene	0.125	0.138	110	76.0-127	
trans-1,3-Dichloropropene	0.125	0.150	120	73.0-127	
2,2-Dichloropropane	0.125	0.143	114	59.0-135	
Di-isopropyl ether	0.125	0.137	110	60.0-136	
Ethylbenzene	0.125	0.131	105	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.124	99.2	57.0-150	
Isopropylbenzene	0.125	0.146	117	72.0-127	
p-Isopropyltoluene	0.125	0.145	116	72.0-133	
2-Butanone (MEK)	0.625	0.604	96.6	30.0-160	
Methylene Chloride	0.125	0.134	107	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.809	129	56.0-143	
Methyl tert-butyl ether	0.125	0.126	101	66.0-132	

¹Cp

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⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4030187-1 02/03/24 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Naphthalene	0.125	0.109	87.2	59.0-130	
n-Propylbenzene	0.125	0.142	114	74.0-126	
Styrene	0.125	0.124	99.2	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.137	110	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.137	110	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.121	96.8	61.0-139	
Tetrachloroethene	0.125	0.142	114	70.0-136	
Toluene	0.125	0.137	110	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.116	92.8	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.121	96.8	62.0-137	
1,1,1-Trichloroethane	0.125	0.141	113	69.0-126	
1,1,2-Trichloroethane	0.125	0.150	120	78.0-123	
Trichloroethene	0.125	0.135	108	76.0-126	
Trichlorofluoromethane	0.125	0.123	98.4	61.0-142	
1,2,3-Trichloropropane	0.125	0.130	104	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.141	113	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.134	107	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.130	104	73.0-127	
Vinyl chloride	0.125	0.121	96.8	63.0-134	
Xylenes, Total	0.375	0.404	108	72.0-127	
(S) Toluene-d8			107	75.0-131	
(S) 4-Bromofluorobenzene			101	67.0-138	
(S) 1,2-Dichloroethane-d4			97.1	70.0-130	

¹Cp

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⁹Sc

Method Blank (MB)

(MB) R4029560-1 02/03/24 09:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	54.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4029560-2 02/03/24 09:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	37.6	75.2	50.0-150	
(S) o-Terphenyl			67.0	18.0-148	

L1700942-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700942-01 02/03/24 12:05 • (MS) R4029560-3 02/03/24 12:18 • (MSD) R4029560-4 02/03/24 12:31

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 %
TPH (GC/FID) High Fraction	49.2	10.4	47.0	40.9	74.4	61.6	1	50.0-150			13.9	20
(S) o-Terphenyl					52.4	49.2		18.0-148				

1
Cp

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4030391-2 02/02/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	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(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	95.3			23.0-120
(S) Nitrobenzene-d5	81.8			14.0-149
(S) 2-Fluorobiphenyl	82.4			34.0-125

Laboratory Control Sample (LCS)

(LCS) R4030391-1 02/02/24 21:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0718	89.8	50.0-120	
Anthracene	0.0800	0.0788	98.5	50.0-126	
Benzo(a)anthracene	0.0800	0.0843	105	45.0-120	
Benzo(a)pyrene	0.0800	0.0748	93.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0825	103	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0806	101	49.0-125	
Chrysene	0.0800	0.0841	105	49.0-122	
Fluoranthene	0.0800	0.0816	102	49.0-129	
Fluorene	0.0800	0.0845	106	49.0-120	
Pyrene	0.0800	0.0825	103	43.0-123	
(S) p-Terphenyl-d14			97.4	23.0-120	
(S) Nitrobenzene-d5			100	14.0-149	
(S) 2-Fluorobiphenyl			88.0	34.0-125	

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

L1700940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700940-01 02/03/24 03:52 • (MS) R4030391-3 02/03/24 04:12 • (MSD) R4030391-4 02/03/24 04:31

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 %
Acenaphthene	0.0760	U	0.0712	0.0763	93.7	100	1	14.0-127			6.92	27
Anthracene	0.0760	0.0137	0.110	0.124	127	145	1	10.0-145			12.0	30
Benzo(a)anthracene	0.0760	0.0639	0.203	0.281	183	286	1	10.0-139	J5	J3 J5	32.2	30
Benzo(a)pyrene	0.0760	0.122	0.236	0.342	150	289	1	10.0-141	J5	J3 J5	36.7	31
Benzo(b)fluoranthene	0.0760	0.0968	0.185	0.278	116	238	1	10.0-140		J3 J5	40.2	36
Benzo(k)fluoranthene	0.0760	0.0318	0.113	0.135	107	136	1	10.0-137			17.7	31
Chrysene	0.0760	0.0557	0.186	0.266	171	277	1	10.0-145	J5	J3 J5	35.4	30
Fluoranthene	0.0760	0.110	0.251	0.388	186	366	1	10.0-153	J5	J3 J5	42.9	33
Fluorene	0.0760	U	0.0876	0.0947	112	121	1	11.0-130			7.79	29
Pyrene	0.0760	0.134	0.266	0.425	174	383	1	10.0-148	J5	J3 J5	46.0	35
(S) p-Terphenyl-d14					83.0	91.0		23.0-120				
(S) Nitrobenzene-d5					90.8	90.2		14.0-149				
(S) 2-Fluorobiphenyl					79.5	79.2		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

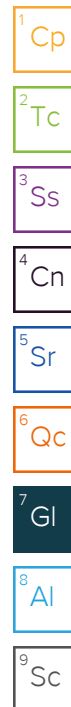
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

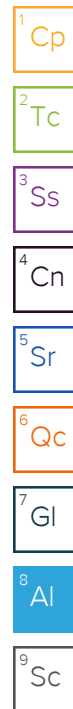
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



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