October 10, 2022

Frank P. Winslow
Toxics Cleanup Program
Washington State Department of Ecology – Central Regional Office
1250 W. Alder Street
Union Gap, WA 98903

Subject: **Progress Report for Third Quarter 2022, Simplot Grower Solutions, Sunnyside, Washington Facility Site ID No. 76742139; Agreed Order No. DE 16446**

Dear Frank:

The J.R. Simplot Company (Simplot) entered into an Agreed Order (AO) (No. DE 16446, effective date June 26, 2019) with the Washington State Department of Ecology (Ecology) to complete a remedial investigation/feasibility study (RI/FS), and to prepare a draft cleanup action plan (DCAP) for the Simplot Grower Solutions (formerly named Simplot Soilbuilders) Sunnyside site, located at 300 1st Avenue, Sunnyside, Washington.

Per the AO, Simplot shall submit to Ecology written quarterly progress reports that describe the actions taken during the previous quarter to implement the requirements of the AO. Progress reports shall be submitted by the tenth day of the month in which they are due after the effective date of the AO.

The AO requires that the progress reports include the following:

a. A list of on-site activities that have taken place during the previous quarter;

b. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests;

c. Description of all deviations from the scope of work and schedule during the previous quarter and any planned deviations in the upcoming quarter;

d. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule;

e. All raw data (including laboratory analyses) received by Simplot during the past quarter and an identification of the source of the sample; and

f. A list of deliverables for the upcoming quarter if different from the schedule.

Activities Completed in Third Quarter 2022 (Q3 2022)

The following activities were conducted in Q3 2022:

- HDR Submitted Phase 3 Remedial Investigation Work Plan – Combined Sampling and Analysis Plan (SAP) / Quality Assurance Project Plan (QAPP) for Phase 3 Remedial Investigation to Ecology on July 28, 2022 and responded to Ecology comments on August 16, 2022.

- Simplot/HDR conducted field services for RI Phase 3: geophysical survey data collected on August 15-16, 2022, followed by the advancement of geoprobe soil borings from August 22 through August 26, 2022. Soil samples were collected in accordance with Phase 3 Remedial Investigation Work Plan.

- During execution of geoprobe soil investigation field work, preliminary field information was discussed with Ecology: HDR communicated field screening information including visual, olfactory, and photoionization detector [PID] readings and described general locations where areas with apparent impacts were observed.

- Laboratory analytical results were received from the lab and are being tabulated and compared to applicable screening values in the July 2022 Cleanup Levels and Risk Calculation (CLARC) tables. Laboratory analytical results are attached to this memo.

Anticipated Activities in Fourth Quarter 2022 (Q4 2022)

- Simplot/HDR to continue field data tabulation and validations.

- Simplot/HDR to prepare and Submit Phase 3 RI report to Ecology.

Deviations from AO or Schedule

No deviations from the AO to report.

If you have questions, please feel free to contact me at (208) 387-7018 or at tyler.allen@hdrinc.com or Molly Dimick of Simplot at (208) 235-5682 or at molly.dimick@simplot.com.

Very truly yours,
HDR Engineering, Inc.

Tyler Alen
Senior Environmental Scientist

Attachments: Laboratory analytical report (L1493476.pdf)
Laboratory analytical report (L1529653.pdf)
Laboratory analytical report (L1528886.pdf)
Laboratory analytical report (L31529397.pdf)
Laboratory analytical report (L1530282.pdf)
Laboratory analytical report (L1530171.pdf)

CC: Molly Dimick, J.R. Simplot Company

ANALYTICAL REPORT

September 16, 2022

Revised Report

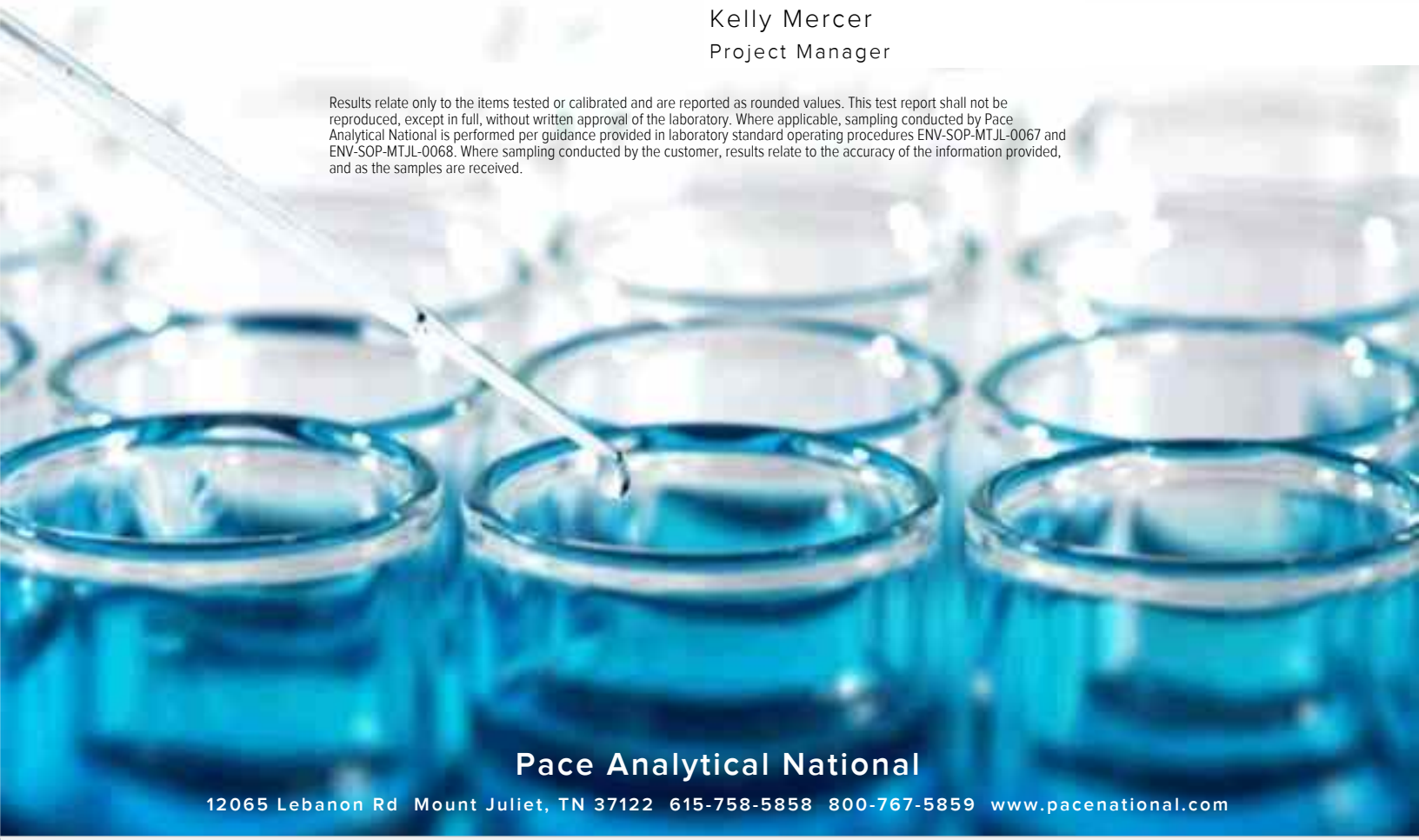
HDR - Boise, ID

Sample Delivery Group:	L1529653
Samples Received:	08/25/2022
Project Number:	10302086
Description:	Simplot-- Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

Entire Report Reviewed By:

[Preliminary Report]

Kelly Mercer
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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P3 SOIL BH7-10-11-20220823-0 L1529653-01 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 10:55 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 12:33	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 22:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919159	500	08/23/22 10:55	09/01/22 06:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918770	40	08/23/22 10:55	08/31/22 21:19	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 18:51	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 03:18	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 20:48	ADF	Mt. Juliet, TN

P3 SOIL BH8-12.5-15-20220823-0 L1529653-02 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 11:30 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1.04	08/30/22 10:09	09/01/22 12:48	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 22:52	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919159	25	08/23/22 11:30	09/01/22 05:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918316	1	08/23/22 11:30	08/30/22 03:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918770	1	08/23/22 11:30	08/31/22 21:38	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 19:04	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.04	08/30/22 08:49	08/31/22 03:39	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 21:08	ADF	Mt. Juliet, TN

P3 SOIL BH9-13-15-20220823-0 L1529653-03 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 11:50 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 13:03	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 22:55	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919159	37.3	08/23/22 11:50	09/01/22 05:45	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918316	1	08/23/22 11:50	08/30/22 03:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918770	1	08/23/22 11:50	08/31/22 21:57	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 19:16	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.02	08/30/22 08:49	08/31/22 04:01	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 21:28	ADF	Mt. Juliet, TN

P3 SOIL BH11-10-12.5-20220823-0 L1529653-04 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 12:30 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1.03	08/30/22 10:09	09/01/22 13:18	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 22:58	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 12:30	08/30/22 23:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918316	1	08/23/22 12:30	08/30/22 04:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918770	10	08/23/22 12:30	08/31/22 22:16	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 19:29	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 04:23	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 21:48	ADF	Mt. Juliet, TN

P3 SOIL BH12-12.5-15-20220823-0 L1529653-05 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 12:20 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 13:33	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:01	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919159	500	08/23/22 12:20	09/01/22 07:01	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918316	1	08/23/22 12:20	08/30/22 04:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918770	8	08/23/22 12:20	08/31/22 22:35	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 19:41	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.02	08/30/22 08:49	08/31/22 04:44	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 22:08	ADF	Mt. Juliet, TN

P3 SOIL BH13-14-15-20220823-0 L1529653-06 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 15:00 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 14:18	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:04	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 15:00	08/30/22 23:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 15:00	08/30/22 16:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919219	4	08/23/22 15:00	08/31/22 12:00	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 19:53	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 05:06	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 22:28	ADF	Mt. Juliet, TN

P3 SOIL BH14-13-15-20220823-0 L1529653-07 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 15:10 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 14:33	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:08	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 15:10	08/31/22 00:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 15:10	08/30/22 17:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919219	4	08/23/22 15:10	08/31/22 12:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 20:06	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.01	08/30/22 08:49	08/31/22 05:27	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 22:48	ADF	Mt. Juliet, TN

P3 SOIL BH15-12-15-20220823-0 L1529653-08 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 15:30 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 15:08	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:11	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 15:30	08/31/22 00:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 15:30	08/30/22 17:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919219	1	08/23/22 15:30	08/31/22 12:39	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 20:18	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 05:49	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 23:07	ADF	Mt. Juliet, TN

P3 SOIL BH16-1-5-20220823-0 L1529653-09 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 16:40 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917394	1	08/27/22 16:35	08/27/22 17:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1.05	08/30/22 10:09	09/01/22 15:22	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	10.5	08/30/22 10:09	09/01/22 15:37	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:14	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 16:40	08/31/22 00:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 16:40	08/30/22 17:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919219	1	08/23/22 16:40	08/31/22 12:58	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 20:31	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 06:11	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/11/22 00:27	ADF	Mt. Juliet, TN

P3 SOIL BH17-13-15-20220823-0 L1529653-10 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 16:50 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917395	1	08/29/22 13:15	08/29/22 13:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1	08/30/22 10:09	09/01/22 15:52	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 23:17	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 16:50	08/31/22 01:18	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 16:50	08/30/22 18:14	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 20:43	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 15:05	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 23:27	ADF	Mt. Juliet, TN

P3 SOIL BH18-14-15-20220823-0 L1529653-11 Solid

Collected by: Blake Urie | Collected date/time: 08/23/22 16:55 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1917395	1	08/29/22 13:15	08/29/22 13:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918163	1.04	08/30/22 10:09	09/01/22 16:22	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918242	1	08/30/22 15:14	08/31/22 22:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/23/22 16:55	08/31/22 01:39	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918758	1	08/23/22 16:55	08/30/22 18:33	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 20:56	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1.01	08/31/22 09:14	08/31/22 15:41	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:27	09/12/22 09:39	AMG	Mt. Juliet, TN

TRIP BLANK L1529653-12 GW

Collected by: Blake Urie | Collected date/time: 08/23/22 00:00 | Received date/time: 08/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1918726	1	08/30/22 15:20	08/30/22 15:20	DWR	Mt. Juliet, TN

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.

[Preliminary Report]

Kelly Mercer
Project Manager

Report Revision History

Level II Report - Version 1: 09/07/22 12:36

Project Narrative

Originally incorrectly reported without T8 qualifier for PAHS.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.3		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.49	28.1	1	09/01/2022 12:33	WG1918163
Sulfate	102		18.1	70.2	1	09/01/2022 12:33	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.54		0.727	2.81	1	08/31/2022 22:49	WG1918242
Cadmium	0.143	J	0.0661	0.702	1	08/31/2022 22:49	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	604	B	32.1	95.0	500	09/01/2022 06:31	WG1919159
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/01/2022 06:31*	WG1919159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.77	3.80	40	08/31/2022 21:19	WG1918770
Acrylonitrile	U		0.274	0.950	40	08/31/2022 21:19	WG1918770
Benzene	7.94		0.0355	0.0760	40	08/31/2022 21:19	WG1918770
Bromobenzene	U		0.0684	0.950	40	08/31/2022 21:19	WG1918770
Bromodichloromethane	U		0.0551	0.190	40	08/31/2022 21:19	WG1918770
Bromoform	U		0.0889	1.90	40	08/31/2022 21:19	WG1918770
Bromomethane	U		0.150	0.950	40	08/31/2022 21:19	WG1918770
n-Butylbenzene	1.28		0.399	0.950	40	08/31/2022 21:19	WG1918770
sec-Butylbenzene	0.555	J	0.218	0.950	40	08/31/2022 21:19	WG1918770
tert-Butylbenzene	U		0.148	0.380	40	08/31/2022 21:19	WG1918770
Carbon tetrachloride	U		0.0682	0.380	40	08/31/2022 21:19	WG1918770
Chlorobenzene	U		0.0160	0.190	40	08/31/2022 21:19	WG1918770
Chlorodibromomethane	U		0.0465	0.190	40	08/31/2022 21:19	WG1918770
Chloroethane	U		0.129	0.380	40	08/31/2022 21:19	WG1918770
Chloroform	U		0.0783	0.190	40	08/31/2022 21:19	WG1918770
Chloromethane	U		0.331	0.950	40	08/31/2022 21:19	WG1918770
2-Chlorotoluene	U		0.0657	0.190	40	08/31/2022 21:19	WG1918770
4-Chlorotoluene	U		0.0342	0.380	40	08/31/2022 21:19	WG1918770
1,2-Dibromo-3-Chloropropane	U		0.296	1.90	40	08/31/2022 21:19	WG1918770
1,2-Dibromoethane	U		0.0492	0.190	40	08/31/2022 21:19	WG1918770
Dibromomethane	U		0.0570	0.380	40	08/31/2022 21:19	WG1918770
1,2-Dichlorobenzene	U		0.0323	0.380	40	08/31/2022 21:19	WG1918770
1,3-Dichlorobenzene	U		0.0456	0.380	40	08/31/2022 21:19	WG1918770
1,4-Dichlorobenzene	U		0.0532	0.380	40	08/31/2022 21:19	WG1918770
Dichlorodifluoromethane	U		0.122	0.190	40	08/31/2022 21:19	WG1918770
1,1-Dichloroethane	U		0.0372	0.190	40	08/31/2022 21:19	WG1918770
1,2-Dichloroethane	U		0.0494	0.190	40	08/31/2022 21:19	WG1918770
1,1-Dichloroethene	U		0.0460	0.190	40	08/31/2022 21:19	WG1918770
cis-1,2-Dichloroethene	U		0.0558	0.190	40	08/31/2022 21:19	WG1918770
trans-1,2-Dichloroethene	U		0.0790	0.380	40	08/31/2022 21:19	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.108	0.380	40	08/31/2022 21:19	WG1918770
1,1-Dichloropropene	U		0.0615	0.190	40	08/31/2022 21:19	WG1918770
1,3-Dichloropropane	U		0.0380	0.380	40	08/31/2022 21:19	WG1918770
cis-1,3-Dichloropropene	U		0.0576	0.190	40	08/31/2022 21:19	WG1918770
trans-1,3-Dichloropropene	U		0.0866	0.380	40	08/31/2022 21:19	WG1918770
2,2-Dichloropropane	U		0.105	0.190	40	08/31/2022 21:19	WG1918770
Di-isopropyl ether	U		0.0312	0.0760	40	08/31/2022 21:19	WG1918770
Ethylbenzene	5.83		0.0560	0.190	40	08/31/2022 21:19	WG1918770
Hexachloro-1,3-butadiene	U		0.456	1.90	40	08/31/2022 21:19	WG1918770
Isopropylbenzene	1.12		0.0323	0.190	40	08/31/2022 21:19	WG1918770
p-Isopropyltoluene	0.351	J	0.194	0.380	40	08/31/2022 21:19	WG1918770
2-Butanone (MEK)	U		4.82	7.60	40	08/31/2022 21:19	WG1918770
Methylene Chloride	U		0.505	1.90	40	08/31/2022 21:19	WG1918770
4-Methyl-2-pentanone (MIBK)	U		0.173	1.90	40	08/31/2022 21:19	WG1918770
Methyl tert-butyl ether	U		0.0266	0.0760	40	08/31/2022 21:19	WG1918770
Naphthalene	6.06		0.370	0.950	40	08/31/2022 21:19	WG1918770
n-Propylbenzene	4.03		0.0722	0.380	40	08/31/2022 21:19	WG1918770
Styrene	U		0.0174	0.950	40	08/31/2022 21:19	WG1918770
1,1,1,2-Tetrachloroethane	U		0.0720	0.190	40	08/31/2022 21:19	WG1918770
1,1,2,2-Tetrachloroethane	U		0.0528	0.190	40	08/31/2022 21:19	WG1918770
1,1,2-Trichlorotrifluoroethane	U		0.0574	0.190	40	08/31/2022 21:19	WG1918770
Tetrachloroethene	U		0.0680	0.190	40	08/31/2022 21:19	WG1918770
Toluene	0.209	J	0.0988	0.380	40	08/31/2022 21:19	WG1918770
1,2,3-Trichlorobenzene	U	C4	0.557	0.950	40	08/31/2022 21:19	WG1918770
1,2,4-Trichlorobenzene	U	C4	0.334	0.950	40	08/31/2022 21:19	WG1918770
1,1,1-Trichloroethane	U		0.0701	0.190	40	08/31/2022 21:19	WG1918770
1,1,2-Trichloroethane	U		0.0454	0.190	40	08/31/2022 21:19	WG1918770
Trichloroethene	U		0.0445	0.0760	40	08/31/2022 21:19	WG1918770
Trichlorofluoromethane	U		0.0629	0.190	40	08/31/2022 21:19	WG1918770
1,2,3-Trichloropropane	U		0.123	0.950	40	08/31/2022 21:19	WG1918770
1,2,4-Trimethylbenzene	32.5		0.120	0.380	40	08/31/2022 21:19	WG1918770
1,2,3-Trimethylbenzene	7.90		0.120	0.380	40	08/31/2022 21:19	WG1918770
1,3,5-Trimethylbenzene	8.43		0.152	0.380	40	08/31/2022 21:19	WG1918770
Vinyl chloride	U		0.0881	0.190	40	08/31/2022 21:19	WG1918770
Xylenes, Total	15.6		0.0669	0.494	40	08/31/2022 21:19	WG1918770
(S) Toluene-d8	*101*			*75.0-131*		*08/31/2022 21:19*	WG1918770
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*08/31/2022 21:19*	WG1918770
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*08/31/2022 21:19*	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5.57	J	1.87	5.61	1	09/05/2022 18:51	WG1919957
Residual Range Organics (RRO)	U		4.67	14.0	1	09/05/2022 18:51	WG1919957
(S) o-Terphenyl	*79.6*			*18.0-148*		*09/05/2022 18:51*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00727	0.0281	1	08/31/2022 03:18	WG1918148
Dalapon	U		0.00445	0.0281	1	08/31/2022 03:18	WG1918148
2,4-DB	U		0.0127	0.0281	1	08/31/2022 03:18	WG1918148
Dicamba	U		0.00605	0.0281	1	08/31/2022 03:18	WG1918148
Dichloroprop	U		0.00467	0.0281	1	08/31/2022 03:18	WG1918148
Dinoseb	U		0.00279	0.0281	1	08/31/2022 03:18	WG1918148

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00480	0.0281	1	08/31/2022 03:18	WG1918148
MCPP	U		0.00328	0.0281	1	08/31/2022 03:18	WG1918148
2,4,5-T	U		0.00963	0.0281	1	08/31/2022 03:18	WG1918148
2,4,5-TP (Silvex)	U		0.00240	0.0281	1	08/31/2022 03:18	WG1918148
(S) 2,4-DB-D3	*144*	J1		*70.0-130*		*08/31/2022 03:18*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00323	0.00842	1	09/10/2022 20:48	WG1924027
Acenaphthene	U	T8	0.00293	0.00842	1	09/10/2022 20:48	WG1924027
Acenaphthylene	U	T8	0.00303	0.00842	1	09/10/2022 20:48	WG1924027
Benzo(a)anthracene	U	T8	0.00243	0.00842	1	09/10/2022 20:48	WG1924027
Benzo(a)pyrene	U	T8	0.00251	0.00842	1	09/10/2022 20:48	WG1924027
Benzo(b)fluoranthene	U	T8	0.00215	0.00842	1	09/10/2022 20:48	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00248	0.00842	1	09/10/2022 20:48	WG1924027
Benzo(k)fluoranthene	U	T8	0.00302	0.00842	1	09/10/2022 20:48	WG1924027
Chrysene	U	T8	0.00326	0.00842	1	09/10/2022 20:48	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00241	0.00842	1	09/10/2022 20:48	WG1924027
Fluoranthene	U	T8	0.00319	0.00842	1	09/10/2022 20:48	WG1924027
Fluorene	U	T8	0.00288	0.00842	1	09/10/2022 20:48	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00254	0.00842	1	09/10/2022 20:48	WG1924027
Naphthalene	0.470	T8	0.00573	0.0281	1	09/10/2022 20:48	WG1924027
Phenanthrene	U	T8	0.00324	0.00842	1	09/10/2022 20:48	WG1924027
Pyrene	U	T8	0.00281	0.00842	1	09/10/2022 20:48	WG1924027
1-Methylnaphthalene	0.227	T8	0.00630	0.0281	1	09/10/2022 20:48	WG1924027
2-Methylnaphthalene	0.490	T8	0.00599	0.0281	1	09/10/2022 20:48	WG1924027
2-Chloronaphthalene	U	T8	0.00654	0.0281	1	09/10/2022 20:48	WG1924027
(S) Nitrobenzene-d5	*56.7*			*14.0-149*		*09/10/2022 20:48*	WG1924027
(S) 2-Fluorobiphenyl	*39.8*			*34.0-125*		*09/10/2022 20:48*	WG1924027
(S) p-Terphenyl-d14	*41.9*			*23.0-120*		*09/10/2022 20:48*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	3.09	J	1.45	27.4	1.04	09/01/2022 12:48	WG1918163
Sulfate	136		17.6	68.4	1.04	09/01/2022 12:48	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.25		0.682	2.63	1	08/31/2022 22:52	WG1918242
Cadmium	0.137	J	0.0620	0.658	1	08/31/2022 22:52	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	33.1		1.46	4.29	25	09/01/2022 05:22	WG1919159
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*09/01/2022 05:22*	WG1919159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0629	0.0862	1	08/31/2022 21:38	WG1918770
Acrylonitrile	U		0.00622	0.0216	1	08/30/2022 03:38	WG1918316
Benzene	0.00266		0.000805	0.00172	1	08/31/2022 21:38	WG1918770
Bromobenzene	U		0.00155	0.0216	1	08/30/2022 03:38	WG1918316
Bromodichloromethane	U		0.00125	0.00431	1	08/30/2022 03:38	WG1918316
Bromoform	U		0.00202	0.0431	1	08/30/2022 03:38	WG1918316
Bromomethane	U		0.00340	0.0216	1	08/30/2022 03:38	WG1918316
n-Butylbenzene	0.122		0.00905	0.0216	1	08/30/2022 03:38	WG1918316
sec-Butylbenzene	0.0371		0.00497	0.0216	1	08/30/2022 03:38	WG1918316
tert-Butylbenzene	U		0.00336	0.00862	1	08/30/2022 03:38	WG1918316
Carbon tetrachloride	U		0.00155	0.00862	1	08/30/2022 03:38	WG1918316
Chlorobenzene	U		0.000362	0.00431	1	08/30/2022 03:38	WG1918316
Chlorodibromomethane	U		0.00106	0.00431	1	08/30/2022 03:38	WG1918316
Chloroethane	U		0.00293	0.00862	1	08/30/2022 03:38	WG1918316
Chloroform	U		0.00178	0.00431	1	08/30/2022 03:38	WG1918316
Chloromethane	U		0.00750	0.0216	1	08/30/2022 03:38	WG1918316
2-Chlorotoluene	U		0.00149	0.00431	1	08/30/2022 03:38	WG1918316
4-Chlorotoluene	U		0.000776	0.00862	1	08/30/2022 03:38	WG1918316
1,2-Dibromo-3-Chloropropane	U		0.00672	0.0431	1	08/30/2022 03:38	WG1918316
1,2-Dibromoethane	U		0.00112	0.00431	1	08/30/2022 03:38	WG1918316
Dibromomethane	U		0.00129	0.00862	1	08/30/2022 03:38	WG1918316
1,2-Dichlorobenzene	U		0.000733	0.00862	1	08/30/2022 03:38	WG1918316
1,3-Dichlorobenzene	U		0.00103	0.00862	1	08/30/2022 03:38	WG1918316
1,4-Dichlorobenzene	U		0.00121	0.00862	1	08/30/2022 03:38	WG1918316
Dichlorodifluoromethane	U	J3	0.00278	0.00431	1	08/30/2022 03:38	WG1918316
1,1-Dichloroethane	U		0.000847	0.00431	1	08/30/2022 03:38	WG1918316
1,2-Dichloroethane	U		0.00112	0.00431	1	08/30/2022 03:38	WG1918316
1,1-Dichloroethene	U		0.00104	0.00431	1	08/30/2022 03:38	WG1918316
cis-1,2-Dichloroethene	U		0.00127	0.00431	1	08/30/2022 03:38	WG1918316
trans-1,2-Dichloroethene	U		0.00179	0.00862	1	08/30/2022 03:38	WG1918316

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00245	0.00862	1	08/30/2022 03:38	WG1918316
1,1-Dichloropropene	U		0.00139	0.00431	1	08/30/2022 03:38	WG1918316
1,3-Dichloropropane	U		0.000864	0.00862	1	08/30/2022 03:38	WG1918316
cis-1,3-Dichloropropene	U		0.00131	0.00431	1	08/30/2022 03:38	WG1918316
trans-1,3-Dichloropropene	U		0.00197	0.00862	1	08/30/2022 03:38	WG1918316
2,2-Dichloropropane	U		0.00238	0.00431	1	08/30/2022 03:38	WG1918316
Di-isopropyl ether	U		0.000707	0.00172	1	08/30/2022 03:38	WG1918316
Ethylbenzene	0.109		0.00127	0.00431	1	08/31/2022 21:38	WG1918770
Hexachloro-1,3-butadiene	U		0.0103	0.0431	1	08/30/2022 03:38	WG1918316
Isopropylbenzene	0.0431		0.000733	0.00431	1	08/30/2022 03:38	WG1918316
p-Isopropyltoluene	0.0166		0.00440	0.00862	1	08/30/2022 03:38	WG1918316
2-Butanone (MEK)	U		0.109	0.172	1	08/30/2022 03:38	WG1918316
Methylene Chloride	U		0.0114	0.0431	1	08/30/2022 03:38	WG1918316
4-Methyl-2-pentanone (MIBK)	U		0.00393	0.0431	1	08/30/2022 03:38	WG1918316
Methyl tert-butyl ether	U		0.000603	0.00172	1	08/30/2022 03:38	WG1918316
Naphthalene	0.226		0.00841	0.0216	1	08/31/2022 21:38	WG1918770
n-Propylbenzene	0.133		0.00164	0.00862	1	08/31/2022 21:38	WG1918770
Styrene	U		0.000395	0.0216	1	08/30/2022 03:38	WG1918316
1,1,1,2-Tetrachloroethane	U		0.00163	0.00431	1	08/30/2022 03:38	WG1918316
1,1,2,2-Tetrachloroethane	U		0.00120	0.00431	1	08/30/2022 03:38	WG1918316
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00431	1	08/30/2022 03:38	WG1918316
Tetrachloroethene	U		0.00154	0.00431	1	08/30/2022 03:38	WG1918316
Toluene	0.00662	J	0.00224	0.00862	1	08/30/2022 03:38	WG1918316
1,2,3-Trichlorobenzene	U		0.0126	0.0216	1	08/30/2022 03:38	WG1918316
1,2,4-Trichlorobenzene	U		0.00759	0.0216	1	08/30/2022 03:38	WG1918316
1,1,1-Trichloroethane	U		0.00159	0.00431	1	08/30/2022 03:38	WG1918316
1,1,2-Trichloroethane	U		0.00103	0.00431	1	08/30/2022 03:38	WG1918316
Trichloroethene	U		0.00101	0.00172	1	08/30/2022 03:38	WG1918316
Trichlorofluoromethane	U		0.00143	0.00431	1	08/30/2022 03:38	WG1918316
1,2,3-Trichloropropane	U		0.00279	0.0216	1	08/30/2022 03:38	WG1918316
1,2,4-Trimethylbenzene	0.433		0.00272	0.00862	1	08/31/2022 21:38	WG1918770
1,2,3-Trimethylbenzene	0.0355		0.00272	0.00862	1	08/31/2022 21:38	WG1918770
1,3,5-Trimethylbenzene	0.142		0.00345	0.00862	1	08/31/2022 21:38	WG1918770
Vinyl chloride	U		0.00200	0.00431	1	08/30/2022 03:38	WG1918316
Xylenes, Total	0.127		0.00152	0.0112	1	08/31/2022 21:38	WG1918770
(S) Toluene-d8	*94.1*			*75.0-131*		*08/30/2022 03:38*	WG1918316
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 21:38*	WG1918770
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/30/2022 03:38*	WG1918316
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/31/2022 21:38*	WG1918770
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*08/30/2022 03:38*	WG1918316
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*08/31/2022 21:38*	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.75	5.26	1	09/05/2022 19:04	WG1919957
Residual Range Organics (RRO)	U		4.38	13.2	1	09/05/2022 19:04	WG1919957
(S) o-Terphenyl	*60.3*			*18.0-148*		*09/05/2022 19:04*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00709	0.0274	1.04	08/31/2022 03:39	WG1918148
Dalapon	U		0.00434	0.0274	1.04	08/31/2022 03:39	WG1918148
2,4-DB	U		0.0124	0.0274	1.04	08/31/2022 03:39	WG1918148
Dicamba	U		0.00590	0.0274	1.04	08/31/2022 03:39	WG1918148
Dichloroprop	U		0.00457	0.0274	1.04	08/31/2022 03:39	WG1918148
Dinoseb	U		0.00272	0.0274	1.04	08/31/2022 03:39	WG1918148
MCPA	U		0.00467	0.0274	1.04	08/31/2022 03:39	WG1918148
MCPP	U		0.00321	0.0274	1.04	08/31/2022 03:39	WG1918148
2,4,5-T	U		0.00940	0.0274	1.04	08/31/2022 03:39	WG1918148
2,4,5-TP (Silvex)	U		0.00234	0.0274	1.04	08/31/2022 03:39	WG1918148
(S) 2,4-DB-D3	*137*	J1		*70.0-130*		*08/31/2022 03:39*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00303	0.00790	1	09/10/2022 21:08	WG1924027
Acenaphthene	U	T8	0.00275	0.00790	1	09/10/2022 21:08	WG1924027
Acenaphthylene	U	T8	0.00284	0.00790	1	09/10/2022 21:08	WG1924027
Benzo(a)anthracene	U	T8	0.00228	0.00790	1	09/10/2022 21:08	WG1924027
Benzo(a)pyrene	U	T8	0.00236	0.00790	1	09/10/2022 21:08	WG1924027
Benzo(b)fluoranthene	U	T8	0.00201	0.00790	1	09/10/2022 21:08	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00233	0.00790	1	09/10/2022 21:08	WG1924027
Benzo(k)fluoranthene	U	T8	0.00283	0.00790	1	09/10/2022 21:08	WG1924027
Chrysene	U	T8	0.00305	0.00790	1	09/10/2022 21:08	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00226	0.00790	1	09/10/2022 21:08	WG1924027
Fluoranthene	U	T8	0.00299	0.00790	1	09/10/2022 21:08	WG1924027
Fluorene	U	T8	0.00270	0.00790	1	09/10/2022 21:08	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00238	0.00790	1	09/10/2022 21:08	WG1924027
Naphthalene	0.0182	J T8	0.00537	0.0263	1	09/10/2022 21:08	WG1924027
Phenanthrene	U	T8	0.00304	0.00790	1	09/10/2022 21:08	WG1924027
Pyrene	U	T8	0.00263	0.00790	1	09/10/2022 21:08	WG1924027
1-Methylnaphthalene	0.00736	J T8	0.00591	0.0263	1	09/10/2022 21:08	WG1924027
2-Methylnaphthalene	0.0133	J T8	0.00562	0.0263	1	09/10/2022 21:08	WG1924027
2-Chloronaphthalene	U	T8	0.00613	0.0263	1	09/10/2022 21:08	WG1924027
(S) Nitrobenzene-d5	*40.6*			*14.0-149*		*09/10/2022 21:08*	WG1924027
(S) 2-Fluorobiphenyl	*46.4*			*34.0-125*		*09/10/2022 21:08*	WG1924027
(S) p-Terphenyl-d14	*53.5*			*23.0-120*		*09/10/2022 21:08*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.6		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.40	26.5	1	09/01/2022 13:03	WG1918163
Sulfate	74.4		17.1	66.2	1	09/01/2022 13:03	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.27		0.685	2.65	1	08/31/2022 22:55	WG1918242
Cadmium	0.0758	J	0.0623	0.662	1	08/31/2022 22:55	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	9.36	B	1.94	5.74	37.3	09/01/2022 05:45	WG1919159
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/01/2022 05:45*	WG1919159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0639	0.0875	1	08/31/2022 21:57	WG1918770
Acrylonitrile	U		0.00632	0.0219	1	08/30/2022 03:58	WG1918316
Benzene	U		0.000817	0.00175	1	08/30/2022 03:58	WG1918316
Bromobenzene	U		0.00158	0.0219	1	08/30/2022 03:58	WG1918316
Bromodichloromethane	U		0.00127	0.00438	1	08/30/2022 03:58	WG1918316
Bromoform	U		0.00205	0.0438	1	08/30/2022 03:58	WG1918316
Bromomethane	U		0.00345	0.0219	1	08/30/2022 03:58	WG1918316
n-Butylbenzene	0.107		0.00919	0.0219	1	08/30/2022 03:58	WG1918316
sec-Butylbenzene	0.0333		0.00504	0.0219	1	08/30/2022 03:58	WG1918316
tert-Butylbenzene	U		0.00341	0.00875	1	08/30/2022 03:58	WG1918316
Carbon tetrachloride	U		0.00157	0.00875	1	08/30/2022 03:58	WG1918316
Chlorobenzene	U		0.000368	0.00438	1	08/30/2022 03:58	WG1918316
Chlorodibromomethane	U		0.00107	0.00438	1	08/30/2022 03:58	WG1918316
Chloroethane	U		0.00298	0.00875	1	08/30/2022 03:58	WG1918316
Chloroform	U		0.00180	0.00438	1	08/30/2022 03:58	WG1918316
Chloromethane	U		0.00761	0.0219	1	08/30/2022 03:58	WG1918316
2-Chlorotoluene	U		0.00151	0.00438	1	08/30/2022 03:58	WG1918316
4-Chlorotoluene	U		0.000788	0.00875	1	08/30/2022 03:58	WG1918316
1,2-Dibromo-3-Chloropropane	U		0.00683	0.0438	1	08/30/2022 03:58	WG1918316
1,2-Dibromoethane	U		0.00113	0.00438	1	08/30/2022 03:58	WG1918316
Dibromomethane	U		0.00131	0.00875	1	08/30/2022 03:58	WG1918316
1,2-Dichlorobenzene	U		0.000744	0.00875	1	08/30/2022 03:58	WG1918316
1,3-Dichlorobenzene	U		0.00105	0.00875	1	08/30/2022 03:58	WG1918316
1,4-Dichlorobenzene	U		0.00123	0.00875	1	08/30/2022 03:58	WG1918316
Dichlorodifluoromethane	U	J3	0.00282	0.00438	1	08/30/2022 03:58	WG1918316
1,1-Dichloroethane	U		0.000859	0.00438	1	08/30/2022 03:58	WG1918316
1,2-Dichloroethane	U		0.00114	0.00438	1	08/30/2022 03:58	WG1918316
1,1-Dichloroethene	U		0.00106	0.00438	1	08/30/2022 03:58	WG1918316
cis-1,2-Dichloroethene	U		0.00128	0.00438	1	08/30/2022 03:58	WG1918316
trans-1,2-Dichloroethene	U		0.00182	0.00875	1	08/30/2022 03:58	WG1918316

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00249	0.00875	1	08/30/2022 03:58	WG1918316
1,1-Dichloropropene	U		0.00142	0.00438	1	08/30/2022 03:58	WG1918316
1,3-Dichloropropane	U		0.000877	0.00875	1	08/30/2022 03:58	WG1918316
cis-1,3-Dichloropropene	U		0.00132	0.00438	1	08/30/2022 03:58	WG1918316
trans-1,3-Dichloropropene	U		0.00200	0.00875	1	08/30/2022 03:58	WG1918316
2,2-Dichloropropane	U		0.00242	0.00438	1	08/30/2022 03:58	WG1918316
Di-isopropyl ether	U		0.000718	0.00175	1	08/30/2022 03:58	WG1918316
Ethylbenzene	0.434		0.00129	0.00438	1	08/30/2022 03:58	WG1918316
Hexachloro-1,3-butadiene	U		0.0105	0.0438	1	08/30/2022 03:58	WG1918316
Isopropylbenzene	0.0574		0.000744	0.00438	1	08/30/2022 03:58	WG1918316
p-Isopropyltoluene	0.0179		0.00446	0.00875	1	08/30/2022 03:58	WG1918316
2-Butanone (MEK)	U		0.111	0.175	1	08/30/2022 03:58	WG1918316
Methylene Chloride	U		0.0116	0.0438	1	08/30/2022 03:58	WG1918316
4-Methyl-2-pentanone (MIBK)	U		0.00399	0.0438	1	08/30/2022 03:58	WG1918316
Methyl tert-butyl ether	U		0.000613	0.00175	1	08/30/2022 03:58	WG1918316
Naphthalene	0.452		0.00854	0.0219	1	08/31/2022 21:57	WG1918770
n-Propylbenzene	0.317		0.00166	0.00875	1	08/30/2022 03:58	WG1918316
Styrene	U		0.000401	0.0219	1	08/30/2022 03:58	WG1918316
1,1,1,2-Tetrachloroethane	U		0.00166	0.00438	1	08/30/2022 03:58	WG1918316
1,1,2,2-Tetrachloroethane	U		0.00122	0.00438	1	08/30/2022 03:58	WG1918316
1,1,2-Trichlorotrifluoroethane	U		0.00132	0.00438	1	08/30/2022 03:58	WG1918316
Tetrachloroethene	U		0.00157	0.00438	1	08/30/2022 03:58	WG1918316
Toluene	0.00621	J	0.00228	0.00875	1	08/30/2022 03:58	WG1918316
1,2,3-Trichlorobenzene	U		0.0128	0.0219	1	08/30/2022 03:58	WG1918316
1,2,4-Trichlorobenzene	U		0.00770	0.0219	1	08/30/2022 03:58	WG1918316
1,1,1-Trichloroethane	U		0.00162	0.00438	1	08/30/2022 03:58	WG1918316
1,1,2-Trichloroethane	U		0.00104	0.00438	1	08/30/2022 03:58	WG1918316
Trichloroethene	U		0.00102	0.00175	1	08/30/2022 03:58	WG1918316
Trichlorofluoromethane	U		0.00145	0.00438	1	08/30/2022 03:58	WG1918316
1,2,3-Trichloropropane	U		0.00284	0.0219	1	08/30/2022 03:58	WG1918316
1,2,4-Trimethylbenzene	1.54		0.00277	0.00875	1	08/30/2022 03:58	WG1918316
1,2,3-Trimethylbenzene	0.124		0.00277	0.00875	1	08/30/2022 03:58	WG1918316
1,3,5-Trimethylbenzene	0.331		0.00350	0.00875	1	08/30/2022 03:58	WG1918316
Vinyl chloride	U		0.00203	0.00438	1	08/30/2022 03:58	WG1918316
Xylenes, Total	0.569		0.00154	0.0114	1	08/30/2022 03:58	WG1918316
(S) Toluene-d8	*93.8*			*75.0-131*		*08/30/2022 03:58*	WG1918316
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 21:57*	WG1918770
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*08/30/2022 03:58*	WG1918316
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*08/31/2022 21:57*	WG1918770
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*08/30/2022 03:58*	WG1918316
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*08/31/2022 21:57*	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1.93	J	1.76	5.29	1	09/05/2022 19:16	WG1919957
Residual Range Organics (RRO)	U		4.41	13.2	1	09/05/2022 19:16	WG1919957
(S) o-Terphenyl	*82.7*			*18.0-148*		*09/05/2022 19:16*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00700	0.0270	1.02	08/31/2022 04:01	WG1918148
Dalapon	U		0.00429	0.0270	1.02	08/31/2022 04:01	WG1918148
2,4-DB	U		0.0123	0.0270	1.02	08/31/2022 04:01	WG1918148
Dicamba	U		0.00581	0.0270	1.02	08/31/2022 04:01	WG1918148
Dichloroprop	U		0.00450	0.0270	1.02	08/31/2022 04:01	WG1918148
Dinoseb	U		0.00269	0.0270	1.02	08/31/2022 04:01	WG1918148
MCPA	U		0.00462	0.0270	1.02	08/31/2022 04:01	WG1918148
MCPP	U		0.00316	0.0270	1.02	08/31/2022 04:01	WG1918148
2,4,5-T	U		0.00926	0.0270	1.02	08/31/2022 04:01	WG1918148
2,4,5-TP (Silvex)	U		0.00230	0.0270	1.02	08/31/2022 04:01	WG1918148
(S) 2,4-DB-D3	*143*	J1		*70.0-130*		*08/31/2022 04:01*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00304	0.00794	1	09/10/2022 21:28	WG1924027
Acenaphthene	U	T8	0.00277	0.00794	1	09/10/2022 21:28	WG1924027
Acenaphthylene	U	T8	0.00286	0.00794	1	09/10/2022 21:28	WG1924027
Benzo(a)anthracene	U	T8	0.00229	0.00794	1	09/10/2022 21:28	WG1924027
Benzo(a)pyrene	U	T8	0.00237	0.00794	1	09/10/2022 21:28	WG1924027
Benzo(b)fluoranthene	U	T8	0.00202	0.00794	1	09/10/2022 21:28	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00234	0.00794	1	09/10/2022 21:28	WG1924027
Benzo(k)fluoranthene	U	T8	0.00284	0.00794	1	09/10/2022 21:28	WG1924027
Chrysene	U	T8	0.00307	0.00794	1	09/10/2022 21:28	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00228	0.00794	1	09/10/2022 21:28	WG1924027
Fluoranthene	U	T8	0.00300	0.00794	1	09/10/2022 21:28	WG1924027
Fluorene	U	T8	0.00271	0.00794	1	09/10/2022 21:28	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00240	0.00794	1	09/10/2022 21:28	WG1924027
Naphthalene	0.0262	J T8	0.00540	0.0265	1	09/10/2022 21:28	WG1924027
Phenanthrene	U	T8	0.00306	0.00794	1	09/10/2022 21:28	WG1924027
Pyrene	U	T8	0.00265	0.00794	1	09/10/2022 21:28	WG1924027
1-Methylnaphthalene	0.00834	J T8	0.00594	0.0265	1	09/10/2022 21:28	WG1924027
2-Methylnaphthalene	0.0142	J T8	0.00565	0.0265	1	09/10/2022 21:28	WG1924027
2-Chloronaphthalene	U	T8	0.00617	0.0265	1	09/10/2022 21:28	WG1924027
(S) Nitrobenzene-d5	*53.0*			*14.0-149*		*09/10/2022 21:28*	WG1924027
(S) 2-Fluorobiphenyl	*64.8*			*34.0-125*		*09/10/2022 21:28*	WG1924027
(S) p-Terphenyl-d14	*69.8*			*23.0-120*		*09/10/2022 21:28*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.8		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	56.3		1.54	29.1	1.03	09/01/2022 13:18	WG1918163
Sulfate	392		18.8	72.7	1.03	09/01/2022 13:18	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.28		0.732	2.83	1	08/31/2022 22:58	WG1918242
Cadmium	0.136	J	0.0665	0.706	1	08/31/2022 22:58	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	362		1.63	4.81	25	08/30/2022 23:15	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*128*	J1		*77.0-120*		*08/30/2022 23:15*	WG1917409

Sample Narrative:

L1529653-04 WG1917409: Surrogate failure due to matrix interference.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.709	0.971	10	08/31/2022 22:16	WG1918770
Acrylonitrile	U		0.00701	0.0243	1	08/30/2022 04:17	WG1918316
Benzene	0.353		0.000907	0.00194	1	08/30/2022 04:17	WG1918316
Bromobenzene	U		0.00175	0.0243	1	08/30/2022 04:17	WG1918316
Bromodichloromethane	U		0.00141	0.00485	1	08/30/2022 04:17	WG1918316
Bromoform	U		0.00227	0.0485	1	08/30/2022 04:17	WG1918316
Bromomethane	U		0.00382	0.0243	1	08/30/2022 04:17	WG1918316
n-Butylbenzene	0.546		0.0102	0.0243	1	08/30/2022 04:17	WG1918316
sec-Butylbenzene	0.235		0.00559	0.0243	1	08/30/2022 04:17	WG1918316
tert-Butylbenzene	U		0.00379	0.00971	1	08/30/2022 04:17	WG1918316
Carbon tetrachloride	U		0.00174	0.00971	1	08/30/2022 04:17	WG1918316
Chlorobenzene	U		0.000408	0.00485	1	08/30/2022 04:17	WG1918316
Chlorodibromomethane	U		0.00119	0.00485	1	08/30/2022 04:17	WG1918316
Chloroethane	U		0.00330	0.00971	1	08/30/2022 04:17	WG1918316
Chloroform	U		0.00200	0.00485	1	08/30/2022 04:17	WG1918316
Chloromethane	U		0.00845	0.0243	1	08/30/2022 04:17	WG1918316
2-Chlorotoluene	U		0.00168	0.00485	1	08/30/2022 04:17	WG1918316
4-Chlorotoluene	U		0.000874	0.00971	1	08/30/2022 04:17	WG1918316
1,2-Dibromo-3-Chloropropane	U		0.00757	0.0485	1	08/30/2022 04:17	WG1918316
1,2-Dibromoethane	U		0.00126	0.00485	1	08/30/2022 04:17	WG1918316
Dibromomethane	U		0.00146	0.00971	1	08/30/2022 04:17	WG1918316
1,2-Dichlorobenzene	U		0.000825	0.00971	1	08/30/2022 04:17	WG1918316
1,3-Dichlorobenzene	U		0.00116	0.00971	1	08/30/2022 04:17	WG1918316
1,4-Dichlorobenzene	U		0.00136	0.00971	1	08/30/2022 04:17	WG1918316
Dichlorodifluoromethane	U	J3	0.00313	0.00485	1	08/30/2022 04:17	WG1918316
1,1-Dichloroethane	U		0.000953	0.00485	1	08/30/2022 04:17	WG1918316
1,2-Dichloroethane	U		0.00126	0.00485	1	08/30/2022 04:17	WG1918316

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00118	0.00485	1	08/30/2022 04:17	WG1918316
cis-1,2-Dichloroethene	U		0.00143	0.00485	1	08/30/2022 04:17	WG1918316
trans-1,2-Dichloroethene	U		0.00202	0.00971	1	08/30/2022 04:17	WG1918316
1,2-Dichloropropane	U		0.00276	0.00971	1	08/30/2022 04:17	WG1918316
1,1-Dichloropropene	U		0.00157	0.00485	1	08/30/2022 04:17	WG1918316
1,3-Dichloropropane	U		0.000973	0.00971	1	08/30/2022 04:17	WG1918316
cis-1,3-Dichloropropene	U		0.00147	0.00485	1	08/30/2022 04:17	WG1918316
trans-1,3-Dichloropropene	U		0.00221	0.00971	1	08/30/2022 04:17	WG1918316
2,2-Dichloropropane	U		0.00268	0.00485	1	08/30/2022 04:17	WG1918316
Di-isopropyl ether	U		0.000796	0.00194	1	08/30/2022 04:17	WG1918316
Ethylbenzene	U		0.00143	0.00485	1	08/30/2022 04:17	WG1918316
Hexachloro-1,3-butadiene	U		0.0116	0.0485	1	08/30/2022 04:17	WG1918316
Isopropylbenzene	0.357		0.000825	0.00485	1	08/30/2022 04:17	WG1918316
p-Isopropyltoluene	0.137		0.00495	0.00971	1	08/30/2022 04:17	WG1918316
2-Butanone (MEK)	U		0.123	0.194	1	08/30/2022 04:17	WG1918316
Methylene Chloride	U		0.0129	0.0485	1	08/30/2022 04:17	WG1918316
4-Methyl-2-pentanone (MIBK)	U		0.00443	0.0485	1	08/30/2022 04:17	WG1918316
Methyl tert-butyl ether	U		0.000680	0.00194	1	08/30/2022 04:17	WG1918316
Naphthalene	2.45		0.0947	0.243	10	08/31/2022 22:16	WG1918770
n-Propylbenzene	0.0858		0.00184	0.00971	1	08/30/2022 04:17	WG1918316
Styrene	U		0.000445	0.0243	1	08/30/2022 04:17	WG1918316
1,1,1,2-Tetrachloroethane	U		0.00184	0.00485	1	08/30/2022 04:17	WG1918316
1,1,2,2-Tetrachloroethane	U		0.00135	0.00485	1	08/30/2022 04:17	WG1918316
1,1,2-Trichlorotrifluoroethane	U		0.00146	0.00485	1	08/30/2022 04:17	WG1918316
Tetrachloroethene	U		0.00174	0.00485	1	08/30/2022 04:17	WG1918316
Toluene	0.00681	J	0.00252	0.00971	1	08/30/2022 04:17	WG1918316
1,2,3-Trichlorobenzene	U		0.0142	0.0243	1	08/30/2022 04:17	WG1918316
1,2,4-Trichlorobenzene	U		0.00854	0.0243	1	08/30/2022 04:17	WG1918316
1,1,1-Trichloroethane	U		0.00179	0.00485	1	08/30/2022 04:17	WG1918316
1,1,2-Trichloroethane	U		0.00116	0.00485	1	08/30/2022 04:17	WG1918316
Trichloroethene	U		0.00113	0.00194	1	08/30/2022 04:17	WG1918316
Trichlorofluoromethane	U		0.00161	0.00485	1	08/30/2022 04:17	WG1918316
1,2,3-Trichloropropane	U		0.00315	0.0243	1	08/30/2022 04:17	WG1918316
1,2,4-Trimethylbenzene	6.39		0.0307	0.0971	10	08/31/2022 22:16	WG1918770
1,2,3-Trimethylbenzene	2.43		0.00307	0.00971	1	08/30/2022 04:17	WG1918316
1,3,5-Trimethylbenzene	2.41		0.00388	0.00971	1	08/30/2022 04:17	WG1918316
Vinyl chloride	U		0.00225	0.00485	1	08/30/2022 04:17	WG1918316
Xylenes, Total	3.92		0.00171	0.0126	1	08/30/2022 04:17	WG1918316
(S) Toluene-d8	*91.6*			*75.0-131*		*08/30/2022 04:17*	WG1918316
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 22:16*	WG1918770
(S) 4-Bromofluorobenzene	*88.4*			*67.0-138*		*08/30/2022 04:17*	WG1918316
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/31/2022 22:16*	WG1918770
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*08/30/2022 04:17*	WG1918316
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*08/31/2022 22:16*	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5.47	J	1.88	5.65	1	09/05/2022 19:29	WG1919957
Residual Range Organics (RRO)	U		4.70	14.1	1	09/05/2022 19:29	WG1919957
(S) o-Terphenyl	*59.3*			*18.0-148*		*09/05/2022 19:29*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00732	0.0283	1	08/31/2022 04:23	WG1918148
Dalapon	U		0.00448	0.0283	1	08/31/2022 04:23	WG1918148
2,4-DB	U		0.0128	0.0283	1	08/31/2022 04:23	WG1918148
Dicamba	U		0.00609	0.0283	1	08/31/2022 04:23	WG1918148
Dichloroprop	U		0.00470	0.0283	1	08/31/2022 04:23	WG1918148
Dinoseb	U		0.00281	0.0283	1	08/31/2022 04:23	WG1918148
MCPA	U		0.00483	0.0283	1	08/31/2022 04:23	WG1918148
MCPP	U		0.00331	0.0283	1	08/31/2022 04:23	WG1918148
2,4,5-T	U		0.00969	0.0283	1	08/31/2022 04:23	WG1918148
2,4,5-TP (Silvex)	U		0.00242	0.0283	1	08/31/2022 04:23	WG1918148
(S) 2,4-DB-D3	*130*			*70.0-130*		*08/31/2022 04:23*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00325	0.00848	1	09/10/2022 21:48	WG1924027
Acenaphthene	U	T8	0.00295	0.00848	1	09/10/2022 21:48	WG1924027
Acenaphthylene	U	T8	0.00305	0.00848	1	09/10/2022 21:48	WG1924027
Benzo(a)anthracene	U	T8	0.00244	0.00848	1	09/10/2022 21:48	WG1924027
Benzo(a)pyrene	U	T8	0.00253	0.00848	1	09/10/2022 21:48	WG1924027
Benzo(b)fluoranthene	U	T8	0.00216	0.00848	1	09/10/2022 21:48	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00250	0.00848	1	09/10/2022 21:48	WG1924027
Benzo(k)fluoranthene	U	T8	0.00304	0.00848	1	09/10/2022 21:48	WG1924027
Chrysene	U	T8	0.00328	0.00848	1	09/10/2022 21:48	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00243	0.00848	1	09/10/2022 21:48	WG1924027
Fluoranthene	U	T8	0.00321	0.00848	1	09/10/2022 21:48	WG1924027
Fluorene	U	T8	0.00290	0.00848	1	09/10/2022 21:48	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00256	0.00848	1	09/10/2022 21:48	WG1924027
Naphthalene	0.307	T8	0.00576	0.0283	1	09/10/2022 21:48	WG1924027
Phenanthrene	U	T8	0.00326	0.00848	1	09/10/2022 21:48	WG1924027
Pyrene	U	T8	0.00283	0.00848	1	09/10/2022 21:48	WG1924027
1-Methylnaphthalene	0.138	T8	0.00634	0.0283	1	09/10/2022 21:48	WG1924027
2-Methylnaphthalene	0.338	T8	0.00603	0.0283	1	09/10/2022 21:48	WG1924027
2-Chloronaphthalene	U	T8	0.00658	0.0283	1	09/10/2022 21:48	WG1924027
(S) Nitrobenzene-d5	*60.7*			*14.0-149*		*09/10/2022 21:48*	WG1924027
(S) 2-Fluorobiphenyl	*55.1*			*34.0-125*		*09/10/2022 21:48*	WG1924027
(S) p-Terphenyl-d14	*57.1*			*23.0-120*		*09/10/2022 21:48*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.2		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.53	28.9	1	09/01/2022 13:33	WG1918163
Sulfate	521		18.6	72.3	1	09/01/2022 13:33	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.33		0.749	2.89	1	08/31/2022 23:01	WG1918242
Cadmium	0.0916	J	0.0681	0.723	1	08/31/2022 23:01	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	594	B	33.2	98.3	500	09/01/2022 07:01	WG1919159
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/01/2022 07:01*	WG1919159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0719	0.0985	1	08/30/2022 04:37	WG1918316
Acrylonitrile	U		0.00711	0.0246	1	08/30/2022 04:37	WG1918316
Benzene	0.156		0.000920	0.00197	1	08/30/2022 04:37	WG1918316
Bromobenzene	U		0.00177	0.0246	1	08/30/2022 04:37	WG1918316
Bromodichloromethane	U		0.00143	0.00492	1	08/30/2022 04:37	WG1918316
Bromoform	U		0.00230	0.0492	1	08/30/2022 04:37	WG1918316
Bromomethane	U		0.00388	0.0246	1	08/30/2022 04:37	WG1918316
n-Butylbenzene	1.18		0.0103	0.0246	1	08/30/2022 04:37	WG1918316
sec-Butylbenzene	0.305		0.00567	0.0246	1	08/30/2022 04:37	WG1918316
tert-Butylbenzene	U		0.00384	0.00985	1	08/30/2022 04:37	WG1918316
Carbon tetrachloride	U		0.00177	0.00985	1	08/30/2022 04:37	WG1918316
Chlorobenzene	U		0.000414	0.00492	1	08/30/2022 04:37	WG1918316
Chlorodibromomethane	U		0.00121	0.00492	1	08/30/2022 04:37	WG1918316
Chloroethane	U		0.00335	0.00985	1	08/30/2022 04:37	WG1918316
Chloroform	U		0.00203	0.00492	1	08/30/2022 04:37	WG1918316
Chloromethane	U		0.00857	0.0246	1	08/30/2022 04:37	WG1918316
2-Chlorotoluene	U		0.00170	0.00492	1	08/30/2022 04:37	WG1918316
4-Chlorotoluene	U		0.000886	0.00985	1	08/30/2022 04:37	WG1918316
1,2-Dibromo-3-Chloropropane	U		0.00768	0.0492	1	08/30/2022 04:37	WG1918316
1,2-Dibromoethane	U		0.00128	0.00492	1	08/30/2022 04:37	WG1918316
Dibromomethane	U		0.00148	0.00985	1	08/30/2022 04:37	WG1918316
1,2-Dichlorobenzene	U		0.000837	0.00985	1	08/30/2022 04:37	WG1918316
1,3-Dichlorobenzene	U		0.00118	0.00985	1	08/30/2022 04:37	WG1918316
1,4-Dichlorobenzene	U		0.00138	0.00985	1	08/30/2022 04:37	WG1918316
Dichlorodifluoromethane	U	J3	0.00317	0.00492	1	08/30/2022 04:37	WG1918316
1,1-Dichloroethane	U		0.000967	0.00492	1	08/30/2022 04:37	WG1918316
1,2-Dichloroethane	U		0.00128	0.00492	1	08/30/2022 04:37	WG1918316
1,1-Dichloroethene	U		0.00119	0.00492	1	08/30/2022 04:37	WG1918316
cis-1,2-Dichloroethene	U		0.00145	0.00492	1	08/30/2022 04:37	WG1918316
trans-1,2-Dichloroethene	U		0.00205	0.00985	1	08/30/2022 04:37	WG1918316

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00280	0.00985	1	08/30/2022 04:37	WG1918316
1,1-Dichloropropene	U		0.00159	0.00492	1	08/30/2022 04:37	WG1918316
1,3-Dichloropropane	U		0.000987	0.00985	1	08/30/2022 04:37	WG1918316
cis-1,3-Dichloropropene	U		0.00149	0.00492	1	08/30/2022 04:37	WG1918316
trans-1,3-Dichloropropene	U		0.00225	0.00985	1	08/30/2022 04:37	WG1918316
2,2-Dichloropropane	U		0.00272	0.00492	1	08/30/2022 04:37	WG1918316
Di-isopropyl ether	U		0.000808	0.00197	1	08/30/2022 04:37	WG1918316
Ethylbenzene	0.00536		0.00145	0.00492	1	08/30/2022 04:37	WG1918316
Hexachloro-1,3-butadiene	U		0.0118	0.0492	1	08/30/2022 04:37	WG1918316
Isopropylbenzene	0.404		0.000837	0.00492	1	08/30/2022 04:37	WG1918316
p-Isopropyltoluene	0.238		0.00502	0.00985	1	08/30/2022 04:37	WG1918316
2-Butanone (MEK)	U		0.125	0.197	1	08/30/2022 04:37	WG1918316
Methylene Chloride	U		0.0131	0.0492	1	08/30/2022 04:37	WG1918316
4-Methyl-2-pentanone (MIBK)	0.932		0.00449	0.0492	1	08/30/2022 04:37	WG1918316
Methyl tert-butyl ether	U		0.000689	0.00197	1	08/30/2022 04:37	WG1918316
Naphthalene	2.70		0.0768	0.197	8	08/31/2022 22:35	WG1918770
n-Propylbenzene	1.43		0.00187	0.00985	1	08/30/2022 04:37	WG1918316
Styrene	U		0.000451	0.0246	1	08/30/2022 04:37	WG1918316
1,1,1,2-Tetrachloroethane	U		0.00187	0.00492	1	08/30/2022 04:37	WG1918316
1,1,2,2-Tetrachloroethane	U		0.00137	0.00492	1	08/30/2022 04:37	WG1918316
1,1,2-Trichlorotrifluoroethane	U		0.00149	0.00492	1	08/30/2022 04:37	WG1918316
Tetrachloroethene	U		0.00177	0.00492	1	08/30/2022 04:37	WG1918316
Toluene	0.00506	J	0.00256	0.00985	1	08/30/2022 04:37	WG1918316
1,2,3-Trichlorobenzene	U		0.0144	0.0246	1	08/30/2022 04:37	WG1918316
1,2,4-Trichlorobenzene	U		0.00867	0.0246	1	08/30/2022 04:37	WG1918316
1,1,1-Trichloroethane	U		0.00182	0.00492	1	08/30/2022 04:37	WG1918316
1,1,2-Trichloroethane	U		0.00118	0.00492	1	08/30/2022 04:37	WG1918316
Trichloroethene	U		0.00115	0.00197	1	08/30/2022 04:37	WG1918316
Trichlorofluoromethane	U		0.00163	0.00492	1	08/30/2022 04:37	WG1918316
1,2,3-Trichloropropane	U		0.00319	0.0246	1	08/30/2022 04:37	WG1918316
1,2,4-Trimethylbenzene	0.0398	J	0.0248	0.0788	8	08/31/2022 22:35	WG1918770
1,2,3-Trimethylbenzene	0.0593		0.00311	0.00985	1	08/30/2022 04:37	WG1918316
1,3,5-Trimethylbenzene	0.0327		0.00394	0.00985	1	08/30/2022 04:37	WG1918316
Vinyl chloride	U		0.00229	0.00492	1	08/30/2022 04:37	WG1918316
Xylenes, Total	0.0223		0.00173	0.0128	1	08/30/2022 04:37	WG1918316
(S) Toluene-d8	*90.3*			*75.0-131*		*08/30/2022 04:37*	WG1918316
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 22:35*	WG1918770
(S) 4-Bromofluorobenzene	*90.2*			*67.0-138*		*08/30/2022 04:37*	WG1918316
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*08/31/2022 22:35*	WG1918770
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*08/30/2022 04:37*	WG1918316
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*08/31/2022 22:35*	WG1918770

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	8.60		1.92	5.78	1	09/05/2022 19:41	WG1919957
Residual Range Organics (RRO)	U		4.81	14.5	1	09/05/2022 19:41	WG1919957
(S) o-Terphenyl	*48.3*			*18.0-148*		*09/05/2022 19:41*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.0115	J	0.00765	0.0295	1.02	08/31/2022 04:44	WG1918148
Dalapon	U		0.00468	0.0295	1.02	08/31/2022 04:44	WG1918148
2,4-DB	U		0.0134	0.0295	1.02	08/31/2022 04:44	WG1918148
Dicamba	U		0.00635	0.0295	1.02	08/31/2022 04:44	WG1918148
Dichloroprop	U		0.00491	0.0295	1.02	08/31/2022 04:44	WG1918148
Dinoseb	U		0.00293	0.0295	1.02	08/31/2022 04:44	WG1918148
MCPA	U		0.00504	0.0295	1.02	08/31/2022 04:44	WG1918148
MCPP	U		0.00345	0.0295	1.02	08/31/2022 04:44	WG1918148
2,4,5-T	U		0.0101	0.0295	1.02	08/31/2022 04:44	WG1918148
2,4,5-TP (Silvex)	U		0.00251	0.0295	1.02	08/31/2022 04:44	WG1918148
(S) 2,4-DB-D3	*128*			*70.0-130*		*08/31/2022 04:44*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00332	0.00867	1	09/10/2022 22:08	WG1924027
Acenaphthene	U	T8	0.00302	0.00867	1	09/10/2022 22:08	WG1924027
Acenaphthylene	U	T8	0.00312	0.00867	1	09/10/2022 22:08	WG1924027
Benzo(a)anthracene	U	T8	0.00250	0.00867	1	09/10/2022 22:08	WG1924027
Benzo(a)pyrene	U	T8	0.00259	0.00867	1	09/10/2022 22:08	WG1924027
Benzo(b)fluoranthene	U	T8	0.00221	0.00867	1	09/10/2022 22:08	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00256	0.00867	1	09/10/2022 22:08	WG1924027
Benzo(k)fluoranthene	U	T8	0.00311	0.00867	1	09/10/2022 22:08	WG1924027
Chrysene	U	T8	0.00335	0.00867	1	09/10/2022 22:08	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00249	0.00867	1	09/10/2022 22:08	WG1924027
Fluoranthene	U	T8	0.00328	0.00867	1	09/10/2022 22:08	WG1924027
Fluorene	U	T8	0.00296	0.00867	1	09/10/2022 22:08	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00262	0.00867	1	09/10/2022 22:08	WG1924027
Naphthalene	0.0747	T8	0.00590	0.0289	1	09/10/2022 22:08	WG1924027
Phenanthrene	U	T8	0.00334	0.00867	1	09/10/2022 22:08	WG1924027
Pyrene	U	T8	0.00289	0.00867	1	09/10/2022 22:08	WG1924027
1-Methylnaphthalene	0.0646	T8	0.00649	0.0289	1	09/10/2022 22:08	WG1924027
2-Methylnaphthalene	U	T8	0.00617	0.0289	1	09/10/2022 22:08	WG1924027
2-Chloronaphthalene	U	T8	0.00674	0.0289	1	09/10/2022 22:08	WG1924027
(S) Nitrobenzene-d5	*50.7*			*14.0-149*		*09/10/2022 22:08*	WG1924027
(S) 2-Fluorobiphenyl	*52.7*			*34.0-125*		*09/10/2022 22:08*	WG1924027
(S) p-Terphenyl-d14	*59.3*			*23.0-120*		*09/10/2022 22:08*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.4		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	5.82	J	1.49	28.0	1	09/01/2022 14:18	WG1918163
Sulfate	406		18.1	70.1	1	09/01/2022 14:18	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.85		0.726	2.80	1	08/31/2022 23:04	WG1918242
Cadmium	0.0977	J	0.0660	0.701	1	08/31/2022 23:04	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	313		1.61	4.73	25	08/30/2022 23:56	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*126*	J1		*77.0-120*		*08/30/2022 23:56*	WG1917409

Sample Narrative:

L1529653-06 WG1917409: Surrogate failure due to matrix interference.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0691	0.0947	1	08/30/2022 16:57	WG1918758
Acrylonitrile	U	J3 J4	0.00684	0.0237	1	08/30/2022 16:57	WG1918758
Benzene	0.225		0.000884	0.00189	1	08/30/2022 16:57	WG1918758
Bromobenzene	U		0.00170	0.0237	1	08/30/2022 16:57	WG1918758
Bromodichloromethane	U		0.00137	0.00473	1	08/30/2022 16:57	WG1918758
Bromoform	U		0.00222	0.0473	1	08/30/2022 16:57	WG1918758
Bromomethane	U		0.00373	0.0237	1	08/30/2022 16:57	WG1918758
n-Butylbenzene	1.07		0.00994	0.0237	1	08/30/2022 16:57	WG1918758
sec-Butylbenzene	0.278		0.00545	0.0237	1	08/30/2022 16:57	WG1918758
tert-Butylbenzene	U		0.00369	0.00947	1	08/30/2022 16:57	WG1918758
Carbon tetrachloride	U		0.00170	0.00947	1	08/30/2022 16:57	WG1918758
Chlorobenzene	U		0.000398	0.00473	1	08/30/2022 16:57	WG1918758
Chlorodibromomethane	U		0.00116	0.00473	1	08/30/2022 16:57	WG1918758
Chloroethane	U		0.00322	0.00947	1	08/30/2022 16:57	WG1918758
Chloroform	U		0.00195	0.00473	1	08/30/2022 16:57	WG1918758
Chloromethane	U		0.00824	0.0237	1	08/30/2022 16:57	WG1918758
2-Chlorotoluene	U		0.00164	0.00473	1	08/30/2022 16:57	WG1918758
4-Chlorotoluene	U		0.000852	0.00947	1	08/30/2022 16:57	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00739	0.0473	1	08/30/2022 16:57	WG1918758
1,2-Dibromoethane	U		0.00123	0.00473	1	08/30/2022 16:57	WG1918758
Dibromomethane	U		0.00142	0.00947	1	08/30/2022 16:57	WG1918758
1,2-Dichlorobenzene	U		0.000805	0.00947	1	08/30/2022 16:57	WG1918758
1,3-Dichlorobenzene	U		0.00114	0.00947	1	08/30/2022 16:57	WG1918758
1,4-Dichlorobenzene	U		0.00133	0.00947	1	08/30/2022 16:57	WG1918758
Dichlorodifluoromethane	U		0.00305	0.00473	1	08/30/2022 16:57	WG1918758
1,1-Dichloroethane	U		0.000930	0.00473	1	08/30/2022 16:57	WG1918758
1,2-Dichloroethane	0.0604		0.00123	0.00473	1	08/30/2022 16:57	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00115	0.00473	1	08/30/2022 16:57	WG1918758
cis-1,2-Dichloroethene	U		0.00139	0.00473	1	08/30/2022 16:57	WG1918758
trans-1,2-Dichloroethene	U		0.00197	0.00947	1	08/30/2022 16:57	WG1918758
1,2-Dichloropropane	U		0.00269	0.00947	1	08/30/2022 16:57	WG1918758
1,1-Dichloropropene	U		0.00153	0.00473	1	08/30/2022 16:57	WG1918758
1,3-Dichloropropane	U		0.000949	0.00947	1	08/30/2022 16:57	WG1918758
cis-1,3-Dichloropropene	U		0.00143	0.00473	1	08/30/2022 16:57	WG1918758
trans-1,3-Dichloropropene	U		0.00216	0.00947	1	08/30/2022 16:57	WG1918758
2,2-Dichloropropane	U		0.00261	0.00473	1	08/30/2022 16:57	WG1918758
Di-isopropyl ether	U		0.000777	0.00189	1	08/30/2022 16:57	WG1918758
Ethylbenzene	0.0597		0.00140	0.00473	1	08/30/2022 16:57	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.0114	0.0473	1	08/30/2022 16:57	WG1918758
Isopropylbenzene	0.371		0.000805	0.00473	1	08/30/2022 16:57	WG1918758
p-Isopropyltoluene	0.171		0.00483	0.00947	1	08/30/2022 16:57	WG1918758
2-Butanone (MEK)	U	J3 J4	0.120	0.189	1	08/30/2022 16:57	WG1918758
Methylene Chloride	U		0.0126	0.0473	1	08/30/2022 16:57	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00432	0.0473	1	08/30/2022 16:57	WG1918758
Methyl tert-butyl ether	0.000845	J	0.000663	0.00189	1	08/30/2022 16:57	WG1918758
Naphthalene	1.81		0.0369	0.0947	4	08/31/2022 12:00	WG1919219
n-Propylbenzene	0.898		0.00180	0.00947	1	08/30/2022 16:57	WG1918758
Styrene	U		0.000434	0.0237	1	08/30/2022 16:57	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00180	0.00473	1	08/30/2022 16:57	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00132	0.00473	1	08/30/2022 16:57	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00143	0.00473	1	08/30/2022 16:57	WG1918758
Tetrachloroethene	U		0.00170	0.00473	1	08/30/2022 16:57	WG1918758
Toluene	U		0.00246	0.00947	1	08/30/2022 16:57	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0139	0.0237	1	08/30/2022 16:57	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00833	0.0237	1	08/30/2022 16:57	WG1918758
1,1,1-Trichloroethane	U		0.00175	0.00473	1	08/30/2022 16:57	WG1918758
1,1,2-Trichloroethane	U		0.00113	0.00473	1	08/30/2022 16:57	WG1918758
Trichloroethene	U		0.00111	0.00189	1	08/30/2022 16:57	WG1918758
Trichlorofluoromethane	U		0.00157	0.00473	1	08/30/2022 16:57	WG1918758
1,2,3-Trichloropropane	U		0.00307	0.0237	1	08/30/2022 16:57	WG1918758
1,2,4-Trimethylbenzene	0.420		0.00299	0.00947	1	08/30/2022 16:57	WG1918758
1,2,3-Trimethylbenzene	0.288		0.00299	0.00947	1	08/30/2022 16:57	WG1918758
1,3,5-Trimethylbenzene	0.265		0.00379	0.00947	1	08/30/2022 16:57	WG1918758
Vinyl chloride	U		0.00220	0.00473	1	08/30/2022 16:57	WG1918758
Xylenes, Total	0.0852		0.00167	0.0123	1	08/30/2022 16:57	WG1918758
(S) Toluene-d8	*89.4*			*75.0-131*		*08/30/2022 16:57*	WG1918758
(S) Toluene-d8	*92.8*			*75.0-131*		*08/31/2022 12:00*	WG1919219
(S) 4-Bromofluorobenzene	*94.2*			*67.0-138*		*08/30/2022 16:57*	WG1918758
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*08/31/2022 12:00*	WG1919219
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*08/30/2022 16:57*	WG1918758
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*08/31/2022 12:00*	WG1919219

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.22	J	1.86	5.61	1	09/05/2022 19:53	WG1919957
Residual Range Organics (RRO)	U		4.67	14.0	1	09/05/2022 19:53	WG1919957
(S) o-Terphenyl	*54.3*			*18.0-148*		*09/05/2022 19:53*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.127		0.00726	0.0280	1	08/31/2022 05:06	WG1918148
Dalapon	U		0.00444	0.0280	1	08/31/2022 05:06	WG1918148
2,4-DB	U		0.0127	0.0280	1	08/31/2022 05:06	WG1918148
Dicamba	0.0153	J	0.00604	0.0280	1	08/31/2022 05:06	WG1918148
Dichloroprop	U		0.00467	0.0280	1	08/31/2022 05:06	WG1918148
Dinoseb	U		0.00279	0.0280	1	08/31/2022 05:06	WG1918148
MCPA	U		0.00479	0.0280	1	08/31/2022 05:06	WG1918148
MCPP	U		0.00328	0.0280	1	08/31/2022 05:06	WG1918148
2,4,5-T	U		0.00961	0.0280	1	08/31/2022 05:06	WG1918148
2,4,5-TP (Silvex)	U		0.00240	0.0280	1	08/31/2022 05:06	WG1918148
(S) 2,4-DB-D3	*126*			*70.0-130*		*08/31/2022 05:06*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00322	0.00841	1	09/10/2022 22:28	WG1924027
Acenaphthene	U	T8	0.00293	0.00841	1	09/10/2022 22:28	WG1924027
Acenaphthylene	U	T8	0.00303	0.00841	1	09/10/2022 22:28	WG1924027
Benzo(a)anthracene	U	T8	0.00242	0.00841	1	09/10/2022 22:28	WG1924027
Benzo(a)pyrene	U	T8	0.00251	0.00841	1	09/10/2022 22:28	WG1924027
Benzo(b)fluoranthene	U	T8	0.00214	0.00841	1	09/10/2022 22:28	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00248	0.00841	1	09/10/2022 22:28	WG1924027
Benzo(k)fluoranthene	U	T8	0.00301	0.00841	1	09/10/2022 22:28	WG1924027
Chrysene	U	T8	0.00325	0.00841	1	09/10/2022 22:28	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00241	0.00841	1	09/10/2022 22:28	WG1924027
Fluoranthene	U	T8	0.00318	0.00841	1	09/10/2022 22:28	WG1924027
Fluorene	U	T8	0.00287	0.00841	1	09/10/2022 22:28	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00254	0.00841	1	09/10/2022 22:28	WG1924027
Naphthalene	0.0455	T8	0.00572	0.0280	1	09/10/2022 22:28	WG1924027
Phenanthrene	U	T8	0.00324	0.00841	1	09/10/2022 22:28	WG1924027
Pyrene	U	T8	0.00280	0.00841	1	09/10/2022 22:28	WG1924027
1-Methylnaphthalene	0.0158	J T8	0.00629	0.0280	1	09/10/2022 22:28	WG1924027
2-Methylnaphthalene	0.0203	J T8	0.00598	0.0280	1	09/10/2022 22:28	WG1924027
2-Chloronaphthalene	U	T8	0.00653	0.0280	1	09/10/2022 22:28	WG1924027
(S) Nitrobenzene-d5	*51.7*			*14.0-149*		*09/10/2022 22:28*	WG1924027
(S) 2-Fluorobiphenyl	*52.6*			*34.0-125*		*09/10/2022 22:28*	WG1924027
(S) p-Terphenyl-d14	*63.5*			*23.0-120*		*09/10/2022 22:28*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.2		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	33.3		1.36	25.6	1	09/01/2022 14:33	WG1918163
Sulfate	388		16.5	64.0	1	09/01/2022 14:33	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.60		0.663	2.56	1	08/31/2022 23:08	WG1918242
Cadmium	0.188	J	0.0603	0.640	1	08/31/2022 23:08	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	138		1.38	4.06	25	08/31/2022 00:17	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*		*08/31/2022 00:17*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0593	0.0812	1	08/30/2022 17:16	WG1918758
Acrylonitrile	U	J3 J4	0.00586	0.0203	1	08/30/2022 17:16	WG1918758
Benzene	0.448		0.000759	0.00162	1	08/30/2022 17:16	WG1918758
Bromobenzene	U		0.00146	0.0203	1	08/30/2022 17:16	WG1918758
Bromodichloromethane	U		0.00118	0.00406	1	08/30/2022 17:16	WG1918758
Bromoform	U		0.00190	0.0406	1	08/30/2022 17:16	WG1918758
Bromomethane	U		0.00320	0.0203	1	08/30/2022 17:16	WG1918758
n-Butylbenzene	0.497		0.00853	0.0203	1	08/30/2022 17:16	WG1918758
sec-Butylbenzene	0.250		0.00468	0.0203	1	08/30/2022 17:16	WG1918758
tert-Butylbenzene	U		0.00317	0.00812	1	08/30/2022 17:16	WG1918758
Carbon tetrachloride	U		0.00146	0.00812	1	08/30/2022 17:16	WG1918758
Chlorobenzene	U		0.000341	0.00406	1	08/30/2022 17:16	WG1918758
Chlorodibromomethane	U		0.000994	0.00406	1	08/30/2022 17:16	WG1918758
Chloroethane	U		0.00276	0.00812	1	08/30/2022 17:16	WG1918758
Chloroform	U		0.00167	0.00406	1	08/30/2022 17:16	WG1918758
Chloromethane	U		0.00707	0.0203	1	08/30/2022 17:16	WG1918758
2-Chlorotoluene	U		0.00140	0.00406	1	08/30/2022 17:16	WG1918758
4-Chlorotoluene	U		0.000731	0.00812	1	08/30/2022 17:16	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00633	0.0406	1	08/30/2022 17:16	WG1918758
1,2-Dibromoethane	U		0.00105	0.00406	1	08/30/2022 17:16	WG1918758
Dibromomethane	U		0.00122	0.00812	1	08/30/2022 17:16	WG1918758
1,2-Dichlorobenzene	U		0.000690	0.00812	1	08/30/2022 17:16	WG1918758
1,3-Dichlorobenzene	U		0.000975	0.00812	1	08/30/2022 17:16	WG1918758
1,4-Dichlorobenzene	U		0.00114	0.00812	1	08/30/2022 17:16	WG1918758
Dichlorodifluoromethane	U		0.00262	0.00406	1	08/30/2022 17:16	WG1918758
1,1-Dichloroethane	U		0.000798	0.00406	1	08/30/2022 17:16	WG1918758
1,2-Dichloroethane	0.0323		0.00105	0.00406	1	08/30/2022 17:16	WG1918758
1,1-Dichloroethene	U		0.000984	0.00406	1	08/30/2022 17:16	WG1918758
cis-1,2-Dichloroethene	U		0.00119	0.00406	1	08/30/2022 17:16	WG1918758
trans-1,2-Dichloroethene	U		0.00169	0.00812	1	08/30/2022 17:16	WG1918758

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00231	0.00812	1	08/30/2022 17:16	WG1918758
1,1-Dichloropropene	U		0.00131	0.00406	1	08/30/2022 17:16	WG1918758
1,3-Dichloropropane	U		0.000814	0.00812	1	08/30/2022 17:16	WG1918758
cis-1,3-Dichloropropene	U		0.00123	0.00406	1	08/30/2022 17:16	WG1918758
trans-1,3-Dichloropropene	U		0.00185	0.00812	1	08/30/2022 17:16	WG1918758
2,2-Dichloropropane	U		0.00224	0.00406	1	08/30/2022 17:16	WG1918758
Di-isopropyl ether	U		0.000666	0.00162	1	08/30/2022 17:16	WG1918758
Ethylbenzene	U		0.00120	0.00406	1	08/30/2022 17:16	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.00975	0.0406	1	08/30/2022 17:16	WG1918758
Isopropylbenzene	0.273		0.000690	0.00406	1	08/30/2022 17:16	WG1918758
p-Isopropyltoluene	0.143		0.00414	0.00812	1	08/30/2022 17:16	WG1918758
2-Butanone (MEK)	U	J3 J4	0.103	0.162	1	08/30/2022 17:16	WG1918758
Methylene Chloride	U		0.0108	0.0406	1	08/30/2022 17:16	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00370	0.0406	1	08/30/2022 17:16	WG1918758
Methyl tert-butyl ether	U		0.000568	0.00162	1	08/30/2022 17:16	WG1918758
Naphthalene	1.05		0.0317	0.0812	4	08/31/2022 12:20	WG1919219
n-Propylbenzene	0.101		0.00154	0.00812	1	08/30/2022 17:16	WG1918758
Styrene	U		0.000372	0.0203	1	08/30/2022 17:16	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00154	0.00406	1	08/30/2022 17:16	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1	08/30/2022 17:16	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00406	1	08/30/2022 17:16	WG1918758
Tetrachloroethene	U		0.00146	0.00406	1	08/30/2022 17:16	WG1918758
Toluene	0.00359	J	0.00211	0.00812	1	08/30/2022 17:16	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0119	0.0203	1	08/30/2022 17:16	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00715	0.0203	1	08/30/2022 17:16	WG1918758
1,1,1-Trichloroethane	U		0.00150	0.00406	1	08/30/2022 17:16	WG1918758
1,1,2-Trichloroethane	U		0.000970	0.00406	1	08/30/2022 17:16	WG1918758
Trichloroethene	U		0.000949	0.00162	1	08/30/2022 17:16	WG1918758
Trichlorofluoromethane	U		0.00134	0.00406	1	08/30/2022 17:16	WG1918758
1,2,3-Trichloropropane	U		0.00263	0.0203	1	08/30/2022 17:16	WG1918758
1,2,4-Trimethylbenzene	0.888		0.00257	0.00812	1	08/30/2022 17:16	WG1918758
1,2,3-Trimethylbenzene	0.620		0.00257	0.00812	1	08/30/2022 17:16	WG1918758
1,3,5-Trimethylbenzene	0.257		0.00325	0.00812	1	08/30/2022 17:16	WG1918758
Vinyl chloride	U		0.00188	0.00406	1	08/30/2022 17:16	WG1918758
Xylenes, Total	0.310		0.00143	0.0106	1	08/30/2022 17:16	WG1918758
(S) Toluene-d8	*101*			*75.0-131*		*08/30/2022 17:16*	WG1918758
(S) Toluene-d8	*92.9*			*75.0-131*		*08/31/2022 12:20*	WG1919219
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*08/30/2022 17:16*	WG1918758
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*08/31/2022 12:20*	WG1919219
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*08/30/2022 17:16*	WG1918758
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*08/31/2022 12:20*	WG1919219

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	16.5		1.70	5.12	1	09/05/2022 20:06	WG1919957
Residual Range Organics (RRO)	U		4.26	12.8	1	09/05/2022 20:06	WG1919957
(S) o-Terphenyl	*64.0*			*18.0-148*		*09/05/2022 20:06*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00670	0.0258	1.01	08/31/2022 05:27	WG1918148
Dalapon	U		0.00411	0.0258	1.01	08/31/2022 05:27	WG1918148
2,4-DB	U		0.0117	0.0258	1.01	08/31/2022 05:27	WG1918148
Dicamba	U		0.00557	0.0258	1.01	08/31/2022 05:27	WG1918148
Dichloroprop	U		0.00431	0.0258	1.01	08/31/2022 05:27	WG1918148
Dinoseb	U		0.00257	0.0258	1.01	08/31/2022 05:27	WG1918148
MCPA	U		0.00441	0.0258	1.01	08/31/2022 05:27	WG1918148
MCPP	U		0.00303	0.0258	1.01	08/31/2022 05:27	WG1918148
2,4,5-T	U		0.00887	0.0258	1.01	08/31/2022 05:27	WG1918148
2,4,5-TP (Silvex)	U		0.00221	0.0258	1.01	08/31/2022 05:27	WG1918148
(S) 2,4-DB-D3	*140*	J1		*70.0-130*		*08/31/2022 05:27*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00294	0.00768	1	09/10/2022 22:48	WG1924027
Acenaphthene	U	T8	0.00267	0.00768	1	09/10/2022 22:48	WG1924027
Acenaphthylene	U	T8	0.00276	0.00768	1	09/10/2022 22:48	WG1924027
Benzo(a)anthracene	U	T8	0.00221	0.00768	1	09/10/2022 22:48	WG1924027
Benzo(a)pyrene	U	T8	0.00229	0.00768	1	09/10/2022 22:48	WG1924027
Benzo(b)fluoranthene	U	T8	0.00196	0.00768	1	09/10/2022 22:48	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00226	0.00768	1	09/10/2022 22:48	WG1924027
Benzo(k)fluoranthene	U	T8	0.00275	0.00768	1	09/10/2022 22:48	WG1924027
Chrysene	U	T8	0.00297	0.00768	1	09/10/2022 22:48	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00220	0.00768	1	09/10/2022 22:48	WG1924027
Fluoranthene	U	T8	0.00290	0.00768	1	09/10/2022 22:48	WG1924027
Fluorene	U	T8	0.00262	0.00768	1	09/10/2022 22:48	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00232	0.00768	1	09/10/2022 22:48	WG1924027
Naphthalene	0.0615	T8	0.00522	0.0256	1	09/10/2022 22:48	WG1924027
Phenanthrene	U	T8	0.00296	0.00768	1	09/10/2022 22:48	WG1924027
Pyrene	U	T8	0.00256	0.00768	1	09/10/2022 22:48	WG1924027
1-Methylnaphthalene	0.0464	T8	0.00574	0.0256	1	09/10/2022 22:48	WG1924027
2-Methylnaphthalene	0.0737	T8	0.00546	0.0256	1	09/10/2022 22:48	WG1924027
2-Chloronaphthalene	U	T8	0.00596	0.0256	1	09/10/2022 22:48	WG1924027
(S) Nitrobenzene-d5	*50.0*			*14.0-149*		*09/10/2022 22:48*	WG1924027
(S) 2-Fluorobiphenyl	*52.7*			*34.0-125*		*09/10/2022 22:48*	WG1924027
(S) p-Terphenyl-d14	*60.6*			*23.0-120*		*09/10/2022 22:48*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.7		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.38	26.1	1	09/01/2022 15:08	WG1918163
Sulfate	265		16.8	65.2	1	09/01/2022 15:08	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.3		0.675	2.61	1	08/31/2022 23:11	WG1918242
Cadmium	0.118	J	0.0614	0.652	1	08/31/2022 23:11	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	52.0		1.44	4.25	25	08/31/2022 00:37	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*91.7*			*77.0-120*		*08/31/2022 00:37*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0621	0.0850	1	08/30/2022 17:36	WG1918758
Acrylonitrile	U	J3 J4	0.00614	0.0213	1	08/30/2022 17:36	WG1918758
Benzene	0.00272		0.000794	0.00170	1	08/30/2022 17:36	WG1918758
Bromobenzene	U		0.00153	0.0213	1	08/30/2022 17:36	WG1918758
Bromodichloromethane	U		0.00123	0.00425	1	08/30/2022 17:36	WG1918758
Bromoform	U		0.00199	0.0425	1	08/30/2022 17:36	WG1918758
Bromomethane	U		0.00335	0.0213	1	08/30/2022 17:36	WG1918758
n-Butylbenzene	0.0680		0.00893	0.0213	1	08/30/2022 17:36	WG1918758
sec-Butylbenzene	0.123		0.00490	0.0213	1	08/30/2022 17:36	WG1918758
tert-Butylbenzene	U		0.00332	0.00850	1	08/30/2022 17:36	WG1918758
Carbon tetrachloride	U		0.00153	0.00850	1	08/30/2022 17:36	WG1918758
Chlorobenzene	U		0.000357	0.00425	1	08/30/2022 17:36	WG1918758
Chlorodibromomethane	U		0.00104	0.00425	1	08/30/2022 17:36	WG1918758
Chloroethane	U		0.00289	0.00850	1	08/30/2022 17:36	WG1918758
Chloroform	U		0.00175	0.00425	1	08/30/2022 17:36	WG1918758
Chloromethane	U		0.00740	0.0213	1	08/30/2022 17:36	WG1918758
2-Chlorotoluene	U		0.00147	0.00425	1	08/30/2022 17:36	WG1918758
4-Chlorotoluene	U		0.000765	0.00850	1	08/30/2022 17:36	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00663	0.0425	1	08/30/2022 17:36	WG1918758
1,2-Dibromoethane	U		0.00110	0.00425	1	08/30/2022 17:36	WG1918758
Dibromomethane	U		0.00128	0.00850	1	08/30/2022 17:36	WG1918758
1,2-Dichlorobenzene	U		0.000723	0.00850	1	08/30/2022 17:36	WG1918758
1,3-Dichlorobenzene	U		0.00102	0.00850	1	08/30/2022 17:36	WG1918758
1,4-Dichlorobenzene	U		0.00119	0.00850	1	08/30/2022 17:36	WG1918758
Dichlorodifluoromethane	U		0.00274	0.00425	1	08/30/2022 17:36	WG1918758
1,1-Dichloroethane	U		0.000835	0.00425	1	08/30/2022 17:36	WG1918758
1,2-Dichloroethane	U		0.00110	0.00425	1	08/30/2022 17:36	WG1918758
1,1-Dichloroethene	U		0.00103	0.00425	1	08/30/2022 17:36	WG1918758
cis-1,2-Dichloroethene	U		0.00125	0.00425	1	08/30/2022 17:36	WG1918758
trans-1,2-Dichloroethene	U		0.00177	0.00850	1	08/30/2022 17:36	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00241	0.00850	1	08/30/2022 17:36	WG1918758
1,1-Dichloropropene	U		0.00138	0.00425	1	08/30/2022 17:36	WG1918758
1,3-Dichloropropane	U		0.000852	0.00850	1	08/30/2022 17:36	WG1918758
cis-1,3-Dichloropropene	U		0.00129	0.00425	1	08/30/2022 17:36	WG1918758
trans-1,3-Dichloropropene	U		0.00194	0.00850	1	08/30/2022 17:36	WG1918758
2,2-Dichloropropane	U		0.00235	0.00425	1	08/30/2022 17:36	WG1918758
Di-isopropyl ether	U		0.000697	0.00170	1	08/30/2022 17:36	WG1918758
Ethylbenzene	U		0.00125	0.00425	1	08/30/2022 17:36	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.0102	0.0425	1	08/30/2022 17:36	WG1918758
Isopropylbenzene	0.0695		0.000723	0.00425	1	08/30/2022 17:36	WG1918758
p-Isopropyltoluene	0.0524		0.00434	0.00850	1	08/30/2022 17:36	WG1918758
2-Butanone (MEK)	U	J3 J4	0.108	0.170	1	08/30/2022 17:36	WG1918758
Methylene Chloride	U		0.0113	0.0425	1	08/30/2022 17:36	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00388	0.0425	1	08/30/2022 17:36	WG1918758
Methyl tert-butyl ether	U		0.000595	0.00170	1	08/30/2022 17:36	WG1918758
Naphthalene	0.463		0.00830	0.0213	1	08/31/2022 12:39	WG1919219
n-Propylbenzene	0.0269		0.00162	0.00850	1	08/30/2022 17:36	WG1918758
Styrene	U		0.000389	0.0213	1	08/30/2022 17:36	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00161	0.00425	1	08/30/2022 17:36	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00118	0.00425	1	08/30/2022 17:36	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00128	0.00425	1	08/30/2022 17:36	WG1918758
Tetrachloroethene	U		0.00152	0.00425	1	08/30/2022 17:36	WG1918758
Toluene	0.00366	J	0.00221	0.00850	1	08/30/2022 17:36	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0125	0.0213	1	08/30/2022 17:36	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00748	0.0213	1	08/30/2022 17:36	WG1918758
1,1,1-Trichloroethane	U		0.00157	0.00425	1	08/30/2022 17:36	WG1918758
1,1,2-Trichloroethane	U		0.00102	0.00425	1	08/30/2022 17:36	WG1918758
Trichloroethene	U		0.000993	0.00170	1	08/30/2022 17:36	WG1918758
Trichlorofluoromethane	U		0.00141	0.00425	1	08/30/2022 17:36	WG1918758
1,2,3-Trichloropropane	U		0.00275	0.0213	1	08/30/2022 17:36	WG1918758
1,2,4-Trimethylbenzene	0.0262		0.00269	0.00850	1	08/30/2022 17:36	WG1918758
1,2,3-Trimethylbenzene	0.0120		0.00269	0.00850	1	08/30/2022 17:36	WG1918758
1,3,5-Trimethylbenzene	0.00736	J	0.00340	0.00850	1	08/30/2022 17:36	WG1918758
Vinyl chloride	U		0.00197	0.00425	1	08/30/2022 17:36	WG1918758
Xylenes, Total	0.0141		0.00150	0.0111	1	08/30/2022 17:36	WG1918758
(S) Toluene-d8	*106*			*75.0-131*		*08/30/2022 17:36*	WG1918758
(S) Toluene-d8	*90.8*			*75.0-131*		*08/31/2022 12:39*	WG1919219
(S) 4-Bromofluorobenzene	*97.3*			*67.0-138*		*08/30/2022 17:36*	WG1918758
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*08/31/2022 12:39*	WG1919219
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*08/30/2022 17:36*	WG1918758
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*08/31/2022 12:39*	WG1919219

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.75	J	1.73	5.21	1	09/05/2022 20:18	WG1919957
Residual Range Organics (RRO)	U		4.34	13.0	1	09/05/2022 20:18	WG1919957
(S) o-Terphenyl	*67.5*			*18.0-148*		*09/05/2022 20:18*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00675	0.0261	1	08/31/2022 05:49	WG1918148
Dalapon	U		0.00413	0.0261	1	08/31/2022 05:49	WG1918148
2,4-DB	U		0.0118	0.0261	1	08/31/2022 05:49	WG1918148
Dicamba	U		0.00562	0.0261	1	08/31/2022 05:49	WG1918148
Dichloroprop	U		0.00434	0.0261	1	08/31/2022 05:49	WG1918148
Dinoseb	U		0.00259	0.0261	1	08/31/2022 05:49	WG1918148
MCPA	U		0.00446	0.0261	1	08/31/2022 05:49	WG1918148
MCPP	U		0.00305	0.0261	1	08/31/2022 05:49	WG1918148
2,4,5-T	U		0.00894	0.0261	1	08/31/2022 05:49	WG1918148
2,4,5-TP (Silvex)	U		0.00223	0.0261	1	08/31/2022 05:49	WG1918148
(S) 2,4-DB-D3	*132*	J1		*70.0-130*		*08/31/2022 05:49*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00300	0.00782	1	09/10/2022 23:07	WG1924027
Acenaphthene	U	T8	0.00272	0.00782	1	09/10/2022 23:07	WG1924027
Acenaphthylene	U	T8	0.00281	0.00782	1	09/10/2022 23:07	WG1924027
Benzo(a)anthracene	U	T8	0.00225	0.00782	1	09/10/2022 23:07	WG1924027
Benzo(a)pyrene	U	T8	0.00233	0.00782	1	09/10/2022 23:07	WG1924027
Benzo(b)fluoranthene	U	T8	0.00199	0.00782	1	09/10/2022 23:07	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00231	0.00782	1	09/10/2022 23:07	WG1924027
Benzo(k)fluoranthene	U	T8	0.00280	0.00782	1	09/10/2022 23:07	WG1924027
Chrysene	U	T8	0.00302	0.00782	1	09/10/2022 23:07	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00224	0.00782	1	09/10/2022 23:07	WG1924027
Fluoranthene	U	T8	0.00296	0.00782	1	09/10/2022 23:07	WG1924027
Fluorene	U	T8	0.00267	0.00782	1	09/10/2022 23:07	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00236	0.00782	1	09/10/2022 23:07	WG1924027
Naphthalene	0.0279	T8	0.00532	0.0261	1	09/10/2022 23:07	WG1924027
Phenanthrene	U	T8	0.00301	0.00782	1	09/10/2022 23:07	WG1924027
Pyrene	U	T8	0.00261	0.00782	1	09/10/2022 23:07	WG1924027
1-Methylnaphthalene	0.0126	J T8	0.00585	0.0261	1	09/10/2022 23:07	WG1924027
2-Methylnaphthalene	U	T8	0.00556	0.0261	1	09/10/2022 23:07	WG1924027
2-Chloronaphthalene	U	T8	0.00607	0.0261	1	09/10/2022 23:07	WG1924027
(S) Nitrobenzene-d5	*44.3*			*14.0-149*		*09/10/2022 23:07*	WG1924027
(S) 2-Fluorobiphenyl	*42.7*			*34.0-125*		*09/10/2022 23:07*	WG1924027
(S) p-Terphenyl-d14	*50.8*			*23.0-120*		*09/10/2022 23:07*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.7		1	08/27/2022 17:08	WG1917394

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	341		14.5	274	10.5	09/01/2022 15:37	WG1918163
Sulfate	434		17.6	68.4	1.05	09/01/2022 15:22	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.75		0.675	2.61	1	08/31/2022 23:14	WG1918242
Cadmium	1.01		0.0614	0.652	1	08/31/2022 23:14	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.39	4.09	25	08/31/2022 00:58	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*77.0-120*		*08/31/2022 00:58*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0597	0.0817	1	08/30/2022 17:55	WG1918758
Acrylonitrile	U	J3 J4	0.00590	0.0204	1	08/30/2022 17:55	WG1918758
Benzene	U		0.000763	0.00163	1	08/30/2022 17:55	WG1918758
Bromobenzene	U		0.00147	0.0204	1	08/30/2022 17:55	WG1918758
Bromodichloromethane	U		0.00118	0.00409	1	08/30/2022 17:55	WG1918758
Bromoform	U		0.00191	0.0409	1	08/30/2022 17:55	WG1918758
Bromomethane	U		0.00322	0.0204	1	08/30/2022 17:55	WG1918758
n-Butylbenzene	U		0.00858	0.0204	1	08/30/2022 17:55	WG1918758
sec-Butylbenzene	U		0.00471	0.0204	1	08/30/2022 17:55	WG1918758
tert-Butylbenzene	U		0.00319	0.00817	1	08/30/2022 17:55	WG1918758
Carbon tetrachloride	U		0.00147	0.00817	1	08/30/2022 17:55	WG1918758
Chlorobenzene	U		0.000343	0.00409	1	08/30/2022 17:55	WG1918758
Chlorodibromomethane	U		0.00100	0.00409	1	08/30/2022 17:55	WG1918758
Chloroethane	U		0.00278	0.00817	1	08/30/2022 17:55	WG1918758
Chloroform	U		0.00168	0.00409	1	08/30/2022 17:55	WG1918758
Chloromethane	U		0.00711	0.0204	1	08/30/2022 17:55	WG1918758
2-Chlorotoluene	U		0.00141	0.00409	1	08/30/2022 17:55	WG1918758
4-Chlorotoluene	U		0.000736	0.00817	1	08/30/2022 17:55	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00637	0.0409	1	08/30/2022 17:55	WG1918758
1,2-Dibromoethane	U		0.00106	0.00409	1	08/30/2022 17:55	WG1918758
Dibromomethane	U		0.00123	0.00817	1	08/30/2022 17:55	WG1918758
1,2-Dichlorobenzene	U		0.000695	0.00817	1	08/30/2022 17:55	WG1918758
1,3-Dichlorobenzene	U		0.000981	0.00817	1	08/30/2022 17:55	WG1918758
1,4-Dichlorobenzene	U		0.00114	0.00817	1	08/30/2022 17:55	WG1918758
Dichlorodifluoromethane	U		0.00263	0.00409	1	08/30/2022 17:55	WG1918758
1,1-Dichloroethane	U		0.000803	0.00409	1	08/30/2022 17:55	WG1918758
1,2-Dichloroethane	U		0.00106	0.00409	1	08/30/2022 17:55	WG1918758
1,1-Dichloroethene	U		0.000990	0.00409	1	08/30/2022 17:55	WG1918758
cis-1,2-Dichloroethene	U		0.00120	0.00409	1	08/30/2022 17:55	WG1918758
trans-1,2-Dichloroethene	U		0.00170	0.00817	1	08/30/2022 17:55	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00232	0.00817	1	08/30/2022 17:55	WG1918758
1,1-Dichloropropene	U		0.00132	0.00409	1	08/30/2022 17:55	WG1918758
1,3-Dichloropropane	U		0.000819	0.00817	1	08/30/2022 17:55	WG1918758
cis-1,3-Dichloropropene	U		0.00124	0.00409	1	08/30/2022 17:55	WG1918758
trans-1,3-Dichloropropene	U		0.00186	0.00817	1	08/30/2022 17:55	WG1918758
2,2-Dichloropropane	U		0.00226	0.00409	1	08/30/2022 17:55	WG1918758
Di-isopropyl ether	U		0.000670	0.00163	1	08/30/2022 17:55	WG1918758
Ethylbenzene	U		0.00120	0.00409	1	08/30/2022 17:55	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.00981	0.0409	1	08/30/2022 17:55	WG1918758
Isopropylbenzene	0.000865	J	0.000695	0.00409	1	08/30/2022 17:55	WG1918758
p-Isopropyltoluene	U		0.00417	0.00817	1	08/30/2022 17:55	WG1918758
2-Butanone (MEK)	U	J3 J4	0.104	0.163	1	08/30/2022 17:55	WG1918758
Methylene Chloride	U		0.0109	0.0409	1	08/30/2022 17:55	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00373	0.0409	1	08/30/2022 17:55	WG1918758
Methyl tert-butyl ether	U		0.000572	0.00163	1	08/30/2022 17:55	WG1918758
Naphthalene	0.0417		0.00798	0.0204	1	08/31/2022 12:58	WG1919219
n-Propylbenzene	U		0.00155	0.00817	1	08/30/2022 17:55	WG1918758
Styrene	U		0.000374	0.0204	1	08/30/2022 17:55	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00155	0.00409	1	08/30/2022 17:55	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00114	0.00409	1	08/30/2022 17:55	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00409	1	08/30/2022 17:55	WG1918758
Tetrachloroethene	0.00358	J	0.00146	0.00409	1	08/30/2022 17:55	WG1918758
Toluene	0.00422	J	0.00212	0.00817	1	08/30/2022 17:55	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0120	0.0204	1	08/30/2022 17:55	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00719	0.0204	1	08/30/2022 17:55	WG1918758
1,1,1-Trichloroethane	U		0.00151	0.00409	1	08/30/2022 17:55	WG1918758
1,1,2-Trichloroethane	U		0.000976	0.00409	1	08/30/2022 17:55	WG1918758
Trichloroethene	U		0.000955	0.00163	1	08/30/2022 17:55	WG1918758
Trichlorofluoromethane	U		0.00135	0.00409	1	08/30/2022 17:55	WG1918758
1,2,3-Trichloropropane	U		0.00265	0.0204	1	08/30/2022 17:55	WG1918758
1,2,4-Trimethylbenzene	U		0.00258	0.00817	1	08/30/2022 17:55	WG1918758
1,2,3-Trimethylbenzene	U		0.00258	0.00817	1	08/30/2022 17:55	WG1918758
1,3,5-Trimethylbenzene	U		0.00327	0.00817	1	08/30/2022 17:55	WG1918758
Vinyl chloride	U		0.00190	0.00409	1	08/30/2022 17:55	WG1918758
Xylenes, Total	0.00301	J	0.00144	0.0106	1	08/30/2022 17:55	WG1918758
(S) Toluene-d8	*102*			*75.0-131*		*08/30/2022 17:55*	WG1918758
(S) Toluene-d8	*95.0*			*75.0-131*		*08/31/2022 12:58*	WG1919219
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/30/2022 17:55*	WG1918758
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*08/31/2022 12:58*	WG1919219
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*08/30/2022 17:55*	WG1918758
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*08/31/2022 12:58*	WG1919219

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	11.0		1.73	5.21	1	09/05/2022 20:31	WG1919957
Residual Range Organics (RRO)	6.77	J	4.34	13.0	1	09/05/2022 20:31	WG1919957
(S) o-Terphenyl	*42.7*			*18.0-148*		*09/05/2022 20:31*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00675	0.0261	1	08/31/2022 06:11	WG1918148
Dalapon	U		0.00413	0.0261	1	08/31/2022 06:11	WG1918148
2,4-DB	U		0.0118	0.0261	1	08/31/2022 06:11	WG1918148
Dicamba	U		0.00562	0.0261	1	08/31/2022 06:11	WG1918148
Dichloroprop	U		0.00434	0.0261	1	08/31/2022 06:11	WG1918148
Dinoseb	0.171		0.00259	0.0261	1	08/31/2022 06:11	WG1918148
MCPA	U		0.00446	0.0261	1	08/31/2022 06:11	WG1918148
MCPP	U		0.00305	0.0261	1	08/31/2022 06:11	WG1918148
2,4,5-T	U		0.00894	0.0261	1	08/31/2022 06:11	WG1918148
2,4,5-TP (Silvex)	U		0.00223	0.0261	1	08/31/2022 06:11	WG1918148
(S) 2,4-DB-D3	*128*			*70.0-130*		*08/31/2022 06:11*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00300	0.00782	1	09/11/2022 00:27	WG1924027
Acenaphthene	U	T8	0.00272	0.00782	1	09/11/2022 00:27	WG1924027
Acenaphthylene	U	T8	0.00282	0.00782	1	09/11/2022 00:27	WG1924027
Benzo(a)anthracene	U	T8	0.00226	0.00782	1	09/11/2022 00:27	WG1924027
Benzo(a)pyrene	U	T8	0.00233	0.00782	1	09/11/2022 00:27	WG1924027
Benzo(b)fluoranthene	U	T8	0.00199	0.00782	1	09/11/2022 00:27	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00231	0.00782	1	09/11/2022 00:27	WG1924027
Benzo(k)fluoranthene	U	T8	0.00280	0.00782	1	09/11/2022 00:27	WG1924027
Chrysene	U	T8	0.00302	0.00782	1	09/11/2022 00:27	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00224	0.00782	1	09/11/2022 00:27	WG1924027
Fluoranthene	U	T8	0.00296	0.00782	1	09/11/2022 00:27	WG1924027
Fluorene	U	T8	0.00267	0.00782	1	09/11/2022 00:27	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00236	0.00782	1	09/11/2022 00:27	WG1924027
Naphthalene	U	T8	0.00532	0.0261	1	09/11/2022 00:27	WG1924027
Phenanthrene	U	T8	0.00301	0.00782	1	09/11/2022 00:27	WG1924027
Pyrene	U	T8	0.00261	0.00782	1	09/11/2022 00:27	WG1924027
1-Methylnaphthalene	U	T8	0.00585	0.0261	1	09/11/2022 00:27	WG1924027
2-Methylnaphthalene	U	T8	0.00557	0.0261	1	09/11/2022 00:27	WG1924027
2-Chloronaphthalene	U	T8	0.00607	0.0261	1	09/11/2022 00:27	WG1924027
(S) Nitrobenzene-d5	*56.0*			*14.0-149*		*09/11/2022 00:27*	WG1924027
(S) 2-Fluorobiphenyl	*53.5*			*34.0-125*		*09/11/2022 00:27*	WG1924027
(S) p-Terphenyl-d14	*54.1*			*23.0-120*		*09/11/2022 00:27*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	08/29/2022 13:31	WG1917395

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	50.5		1.33	25.1	1	09/01/2022 15:52	WG1918163
Sulfate	110		16.2	62.8	1	09/01/2022 15:52	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.85		0.650	2.51	1	08/31/2022 23:17	WG1918242
Cadmium	0.102	J	0.0591	0.628	1	08/31/2022 23:17	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.63	J	1.33	3.92	25	08/31/2022 01:18	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*77.0-120*		*08/31/2022 01:18*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0572	0.0784	1	08/30/2022 18:14	WG1918758
Acrylonitrile	U	J3 J4	0.00566	0.0196	1	08/30/2022 18:14	WG1918758
Benzene	0.0927		0.000732	0.00157	1	08/30/2022 18:14	WG1918758
Bromobenzene	U		0.00141	0.0196	1	08/30/2022 18:14	WG1918758
Bromodichloromethane	U		0.00114	0.00392	1	08/30/2022 18:14	WG1918758
Bromoform	U		0.00183	0.0392	1	08/30/2022 18:14	WG1918758
Bromomethane	U		0.00309	0.0196	1	08/30/2022 18:14	WG1918758
n-Butylbenzene	U		0.00823	0.0196	1	08/30/2022 18:14	WG1918758
sec-Butylbenzene	U		0.00452	0.0196	1	08/30/2022 18:14	WG1918758
tert-Butylbenzene	U		0.00306	0.00784	1	08/30/2022 18:14	WG1918758
Carbon tetrachloride	U		0.00141	0.00784	1	08/30/2022 18:14	WG1918758
Chlorobenzene	U		0.000329	0.00392	1	08/30/2022 18:14	WG1918758
Chlorodibromomethane	U		0.000960	0.00392	1	08/30/2022 18:14	WG1918758
Chloroethane	U		0.00267	0.00784	1	08/30/2022 18:14	WG1918758
Chloroform	U		0.00162	0.00392	1	08/30/2022 18:14	WG1918758
Chloromethane	U		0.00682	0.0196	1	08/30/2022 18:14	WG1918758
2-Chlorotoluene	U		0.00136	0.00392	1	08/30/2022 18:14	WG1918758
4-Chlorotoluene	U		0.000706	0.00784	1	08/30/2022 18:14	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00612	0.0392	1	08/30/2022 18:14	WG1918758
1,2-Dibromoethane	U		0.00102	0.00392	1	08/30/2022 18:14	WG1918758
Dibromomethane	U		0.00118	0.00784	1	08/30/2022 18:14	WG1918758
1,2-Dichlorobenzene	U		0.000667	0.00784	1	08/30/2022 18:14	WG1918758
1,3-Dichlorobenzene	U		0.000941	0.00784	1	08/30/2022 18:14	WG1918758
1,4-Dichlorobenzene	U		0.00110	0.00784	1	08/30/2022 18:14	WG1918758
Dichlorodifluoromethane	U		0.00253	0.00392	1	08/30/2022 18:14	WG1918758
1,1-Dichloroethane	U		0.000770	0.00392	1	08/30/2022 18:14	WG1918758
1,2-Dichloroethane	U		0.00102	0.00392	1	08/30/2022 18:14	WG1918758
1,1-Dichloroethene	U		0.000950	0.00392	1	08/30/2022 18:14	WG1918758
cis-1,2-Dichloroethene	U		0.00115	0.00392	1	08/30/2022 18:14	WG1918758
trans-1,2-Dichloroethene	U		0.00163	0.00784	1	08/30/2022 18:14	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00223	0.00784	1	08/30/2022 18:14	WG1918758
1,1-Dichloropropene	U		0.00127	0.00392	1	08/30/2022 18:14	WG1918758
1,3-Dichloropropane	U		0.000786	0.00784	1	08/30/2022 18:14	WG1918758
cis-1,3-Dichloropropene	U		0.00119	0.00392	1	08/30/2022 18:14	WG1918758
trans-1,3-Dichloropropene	U		0.00179	0.00784	1	08/30/2022 18:14	WG1918758
2,2-Dichloropropane	U		0.00216	0.00392	1	08/30/2022 18:14	WG1918758
Di-isopropyl ether	U		0.000643	0.00157	1	08/30/2022 18:14	WG1918758
Ethylbenzene	U		0.00116	0.00392	1	08/30/2022 18:14	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.00941	0.0392	1	08/30/2022 18:14	WG1918758
Isopropylbenzene	0.00216	J	0.000667	0.00392	1	08/30/2022 18:14	WG1918758
p-Isopropyltoluene	U		0.00400	0.00784	1	08/30/2022 18:14	WG1918758
2-Butanone (MEK)	U	J3 J4	0.0996	0.157	1	08/30/2022 18:14	WG1918758
Methylene Chloride	U		0.0104	0.0392	1	08/30/2022 18:14	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00358	0.0392	1	08/30/2022 18:14	WG1918758
Methyl tert-butyl ether	U		0.000549	0.00157	1	08/30/2022 18:14	WG1918758
Naphthalene	0.0187	J J3	0.00765	0.0196	1	08/30/2022 18:14	WG1918758
n-Propylbenzene	0.00384	J	0.00149	0.00784	1	08/30/2022 18:14	WG1918758
Styrene	U		0.000359	0.0196	1	08/30/2022 18:14	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00149	0.00392	1	08/30/2022 18:14	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00109	0.00392	1	08/30/2022 18:14	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00392	1	08/30/2022 18:14	WG1918758
Tetrachloroethene	U		0.00141	0.00392	1	08/30/2022 18:14	WG1918758
Toluene	0.00347	J	0.00204	0.00784	1	08/30/2022 18:14	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0115	0.0196	1	08/30/2022 18:14	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00690	0.0196	1	08/30/2022 18:14	WG1918758
1,1,1-Trichloroethane	U		0.00145	0.00392	1	08/30/2022 18:14	WG1918758
1,1,2-Trichloroethane	U		0.000936	0.00392	1	08/30/2022 18:14	WG1918758
Trichloroethene	U		0.000916	0.00157	1	08/30/2022 18:14	WG1918758
Trichlorofluoromethane	U		0.00130	0.00392	1	08/30/2022 18:14	WG1918758
1,2,3-Trichloropropane	0.00607	J	0.00254	0.0196	1	08/30/2022 18:14	WG1918758
1,2,4-Trimethylbenzene	0.00972		0.00248	0.00784	1	08/30/2022 18:14	WG1918758
1,2,3-Trimethylbenzene	U		0.00248	0.00784	1	08/30/2022 18:14	WG1918758
1,3,5-Trimethylbenzene	0.00464	J	0.00314	0.00784	1	08/30/2022 18:14	WG1918758
Vinyl chloride	U		0.00182	0.00392	1	08/30/2022 18:14	WG1918758
Xylenes, Total	0.00765	J	0.00138	0.0102	1	08/30/2022 18:14	WG1918758
(S) Toluene-d8	*103*			*75.0-131*		*08/30/2022 18:14*	WG1918758
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/30/2022 18:14*	WG1918758
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*08/30/2022 18:14*	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.67	5.02	1	09/05/2022 20:43	WG1919957
Residual Range Organics (RRO)	U		4.18	12.6	1	09/05/2022 20:43	WG1919957
(S) o-Terphenyl	*76.3*			*18.0-148*		*09/05/2022 20:43*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00650	0.0251	1	08/31/2022 15:05	WG1918510
Dalapon	U		0.00398	0.0251	1	08/31/2022 15:05	WG1918510
2,4-DB	U		0.0114	0.0251	1	08/31/2022 15:05	WG1918510
Dicamba	U		0.00541	0.0251	1	08/31/2022 15:05	WG1918510
Dichloroprop	U		0.00418	0.0251	1	08/31/2022 15:05	WG1918510
Dinoseb	U		0.00250	0.0251	1	08/31/2022 15:05	WG1918510

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00429	0.0251	1	08/31/2022 15:05	WG1918510
MCPP	U		0.00294	0.0251	1	08/31/2022 15:05	WG1918510
2,4,5-T	U		0.00861	0.0251	1	08/31/2022 15:05	WG1918510
2,4,5-TP (Silvex)	U		0.00215	0.0251	1	08/31/2022 15:05	WG1918510
(S) 2,4-DB-D3	*113*			*70.0-130*		*08/31/2022 15:05*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00289	0.00753	1	09/10/2022 23:27	WG1924027
Acenaphthene	U	T8	0.00262	0.00753	1	09/10/2022 23:27	WG1924027
Acenaphthylene	U	T8	0.00271	0.00753	1	09/10/2022 23:27	WG1924027
Benzo(a)anthracene	U	T8	0.00217	0.00753	1	09/10/2022 23:27	WG1924027
Benzo(a)pyrene	U	T8	0.00225	0.00753	1	09/10/2022 23:27	WG1924027
Benzo(b)fluoranthene	U	T8	0.00192	0.00753	1	09/10/2022 23:27	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00222	0.00753	1	09/10/2022 23:27	WG1924027
Benzo(k)fluoranthene	U	T8	0.00270	0.00753	1	09/10/2022 23:27	WG1924027
Chrysene	U	T8	0.00291	0.00753	1	09/10/2022 23:27	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00216	0.00753	1	09/10/2022 23:27	WG1924027
Fluoranthene	U	T8	0.00285	0.00753	1	09/10/2022 23:27	WG1924027
Fluorene	U	T8	0.00257	0.00753	1	09/10/2022 23:27	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00227	0.00753	1	09/10/2022 23:27	WG1924027
Naphthalene	U	T8	0.00512	0.0251	1	09/10/2022 23:27	WG1924027
Phenanthrene	U	T8	0.00290	0.00753	1	09/10/2022 23:27	WG1924027
Pyrene	U	T8	0.00251	0.00753	1	09/10/2022 23:27	WG1924027
1-Methylnaphthalene	U	T8	0.00564	0.0251	1	09/10/2022 23:27	WG1924027
2-Methylnaphthalene	U	T8	0.00536	0.0251	1	09/10/2022 23:27	WG1924027
2-Chloronaphthalene	U	T8	0.00585	0.0251	1	09/10/2022 23:27	WG1924027
(S) Nitrobenzene-d5	*52.8*			*14.0-149*		*09/10/2022 23:27*	WG1924027
(S) 2-Fluorobiphenyl	*60.1*			*34.0-125*		*09/10/2022 23:27*	WG1924027
(S) p-Terphenyl-d14	*67.7*			*23.0-120*		*09/10/2022 23:27*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.2		1	08/29/2022 13:31	WG1917395

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.54	29.2	1.04	09/01/2022 16:22	WG1918163
Sulfate	219		18.8	73.0	1.04	09/01/2022 16:22	WG1918163

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.25		0.727	2.81	1	08/31/2022 22:20	WG1918242
Cadmium	0.145	J	0.0661	0.702	1	08/31/2022 22:20	WG1918242

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	276		1.55	4.57	25	08/31/2022 01:39	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*08/31/2022 01:39*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0668	0.0915	1	08/30/2022 18:33	WG1918758
Acrylonitrile	U	J3 J4	0.00661	0.0229	1	08/30/2022 18:33	WG1918758
Benzene	U		0.000855	0.00183	1	08/30/2022 18:33	WG1918758
Bromobenzene	U		0.00165	0.0229	1	08/30/2022 18:33	WG1918758
Bromodichloromethane	U		0.00133	0.00457	1	08/30/2022 18:33	WG1918758
Bromoform	U		0.00214	0.0457	1	08/30/2022 18:33	WG1918758
Bromomethane	U		0.00360	0.0229	1	08/30/2022 18:33	WG1918758
n-Butylbenzene	0.104		0.00961	0.0229	1	08/30/2022 18:33	WG1918758
sec-Butylbenzene	0.109		0.00527	0.0229	1	08/30/2022 18:33	WG1918758
tert-Butylbenzene	U		0.00357	0.00915	1	08/30/2022 18:33	WG1918758
Carbon tetrachloride	U		0.00164	0.00915	1	08/30/2022 18:33	WG1918758
Chlorobenzene	U		0.000384	0.00457	1	08/30/2022 18:33	WG1918758
Chlorodibromomethane	U		0.00112	0.00457	1	08/30/2022 18:33	WG1918758
Chloroethane	U		0.00311	0.00915	1	08/30/2022 18:33	WG1918758
Chloroform	U		0.00188	0.00457	1	08/30/2022 18:33	WG1918758
Chloromethane	U		0.00796	0.0229	1	08/30/2022 18:33	WG1918758
2-Chlorotoluene	U		0.00158	0.00457	1	08/30/2022 18:33	WG1918758
4-Chlorotoluene	U		0.000823	0.00915	1	08/30/2022 18:33	WG1918758
1,2-Dibromo-3-Chloropropane	U	J3	0.00714	0.0457	1	08/30/2022 18:33	WG1918758
1,2-Dibromoethane	U		0.00119	0.00457	1	08/30/2022 18:33	WG1918758
Dibromomethane	U		0.00137	0.00915	1	08/30/2022 18:33	WG1918758
1,2-Dichlorobenzene	U		0.000778	0.00915	1	08/30/2022 18:33	WG1918758
1,3-Dichlorobenzene	U		0.00110	0.00915	1	08/30/2022 18:33	WG1918758
1,4-Dichlorobenzene	U		0.00128	0.00915	1	08/30/2022 18:33	WG1918758
Dichlorodifluoromethane	U		0.00295	0.00457	1	08/30/2022 18:33	WG1918758
1,1-Dichloroethane	U		0.000898	0.00457	1	08/30/2022 18:33	WG1918758
1,2-Dichloroethane	U		0.00119	0.00457	1	08/30/2022 18:33	WG1918758
1,1-Dichloroethene	U		0.00111	0.00457	1	08/30/2022 18:33	WG1918758
cis-1,2-Dichloroethene	U		0.00134	0.00457	1	08/30/2022 18:33	WG1918758
trans-1,2-Dichloroethene	U		0.00190	0.00915	1	08/30/2022 18:33	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00260	0.00915	1	08/30/2022 18:33	WG1918758
1,1-Dichloropropene	U		0.00148	0.00457	1	08/30/2022 18:33	WG1918758
1,3-Dichloropropane	U		0.000917	0.00915	1	08/30/2022 18:33	WG1918758
cis-1,3-Dichloropropene	U		0.00139	0.00457	1	08/30/2022 18:33	WG1918758
trans-1,3-Dichloropropene	U		0.00209	0.00915	1	08/30/2022 18:33	WG1918758
2,2-Dichloropropane	U		0.00253	0.00457	1	08/30/2022 18:33	WG1918758
Di-isopropyl ether	U		0.000750	0.00183	1	08/30/2022 18:33	WG1918758
Ethylbenzene	U		0.00135	0.00457	1	08/30/2022 18:33	WG1918758
Hexachloro-1,3-butadiene	U	J3	0.0110	0.0457	1	08/30/2022 18:33	WG1918758
Isopropylbenzene	0.0243		0.000778	0.00457	1	08/30/2022 18:33	WG1918758
p-Isopropyltoluene	0.0450		0.00467	0.00915	1	08/30/2022 18:33	WG1918758
2-Butanone (MEK)	U	J3 J4	0.116	0.183	1	08/30/2022 18:33	WG1918758
Methylene Chloride	U		0.0121	0.0457	1	08/30/2022 18:33	WG1918758
4-Methyl-2-pentanone (MIBK)	U		0.00417	0.0457	1	08/30/2022 18:33	WG1918758
Methyl tert-butyl ether	U		0.000640	0.00183	1	08/30/2022 18:33	WG1918758
Naphthalene	0.0542	J3	0.00893	0.0229	1	08/30/2022 18:33	WG1918758
n-Propylbenzene	0.0300		0.00174	0.00915	1	08/30/2022 18:33	WG1918758
Styrene	U		0.000419	0.0229	1	08/30/2022 18:33	WG1918758
1,1,1,2-Tetrachloroethane	U		0.00173	0.00457	1	08/30/2022 18:33	WG1918758
1,1,2,2-Tetrachloroethane	U		0.00127	0.00457	1	08/30/2022 18:33	WG1918758
1,1,2-Trichlorotrifluoroethane	U		0.00138	0.00457	1	08/30/2022 18:33	WG1918758
Tetrachloroethene	U		0.00164	0.00457	1	08/30/2022 18:33	WG1918758
Toluene	0.00335	J	0.00238	0.00915	1	08/30/2022 18:33	WG1918758
1,2,3-Trichlorobenzene	U	C4 J3	0.0134	0.0229	1	08/30/2022 18:33	WG1918758
1,2,4-Trichlorobenzene	U	C4 J3 J4	0.00805	0.0229	1	08/30/2022 18:33	WG1918758
1,1,1-Trichloroethane	U		0.00169	0.00457	1	08/30/2022 18:33	WG1918758
1,1,2-Trichloroethane	U		0.00109	0.00457	1	08/30/2022 18:33	WG1918758
Trichloroethene	U		0.00107	0.00183	1	08/30/2022 18:33	WG1918758
Trichlorofluoromethane	U		0.00151	0.00457	1	08/30/2022 18:33	WG1918758
1,2,3-Trichloropropane	U		0.00296	0.0229	1	08/30/2022 18:33	WG1918758
1,2,4-Trimethylbenzene	U		0.00289	0.00915	1	08/30/2022 18:33	WG1918758
1,2,3-Trimethylbenzene	U		0.00289	0.00915	1	08/30/2022 18:33	WG1918758
1,3,5-Trimethylbenzene	U		0.00366	0.00915	1	08/30/2022 18:33	WG1918758
Vinyl chloride	U		0.00212	0.00457	1	08/30/2022 18:33	WG1918758
Xylenes, Total	0.00282	J	0.00161	0.0119	1	08/30/2022 18:33	WG1918758
(S) Toluene-d8	*102*			*75.0-131*		*08/30/2022 18:33*	WG1918758
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*08/30/2022 18:33*	WG1918758
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*08/30/2022 18:33*	WG1918758

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.33	J	1.87	5.62	1	09/05/2022 20:56	WG1919957
Residual Range Organics (RRO)	U		4.68	14.0	1	09/05/2022 20:56	WG1919957
(S) o-Terphenyl	*69.1*			*18.0-148*		*09/05/2022 20:56*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.0254	J	0.00736	0.0284	1.01	08/31/2022 15:41	WG1918510
Dalapon	U		0.00451	0.0284	1.01	08/31/2022 15:41	WG1918510
2,4-DB	U		0.0129	0.0284	1.01	08/31/2022 15:41	WG1918510
Dicamba	U		0.00611	0.0284	1.01	08/31/2022 15:41	WG1918510
Dichloroprop	U		0.00473	0.0284	1.01	08/31/2022 15:41	WG1918510
Dinoseb	U		0.00282	0.0284	1.01	08/31/2022 15:41	WG1918510

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00484	0.0284	1.01	08/31/2022 15:41	WG1918510
MCPP	U		0.00333	0.0284	1.01	08/31/2022 15:41	WG1918510
2,4,5-T	U		0.00973	0.0284	1.01	08/31/2022 15:41	WG1918510
2,4,5-TP (Silvex)	U		0.00243	0.0284	1.01	08/31/2022 15:41	WG1918510
(S) 2,4-DB-D3	*99.5*			*70.0-130*		*08/31/2022 15:41*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00323	0.00843	1	09/12/2022 09:39	WG1924028
Acenaphthene	U	T8	0.00293	0.00843	1	09/12/2022 09:39	WG1924028
Acenaphthylene	U	T8	0.00303	0.00843	1	09/12/2022 09:39	WG1924028
Benzo(a)anthracene	U	T8	0.00243	0.00843	1	09/12/2022 09:39	WG1924028
Benzo(a)pyrene	U	T8	0.00251	0.00843	1	09/12/2022 09:39	WG1924028
Benzo(b)fluoranthene	U	T8	0.00215	0.00843	1	09/12/2022 09:39	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00249	0.00843	1	09/12/2022 09:39	WG1924028
Benzo(k)fluoranthene	U	T8	0.00302	0.00843	1	09/12/2022 09:39	WG1924028
Chrysene	U	T8	0.00326	0.00843	1	09/12/2022 09:39	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00242	0.00843	1	09/12/2022 09:39	WG1924028
Fluoranthene	U	T8	0.00319	0.00843	1	09/12/2022 09:39	WG1924028
Fluorene	U	T8	0.00288	0.00843	1	09/12/2022 09:39	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00254	0.00843	1	09/12/2022 09:39	WG1924028
Naphthalene	U	T8	0.00573	0.0281	1	09/12/2022 09:39	WG1924028
Phenanthrene	U	T8	0.00324	0.00843	1	09/12/2022 09:39	WG1924028
Pyrene	U	T8	0.00281	0.00843	1	09/12/2022 09:39	WG1924028
1-Methylnaphthalene	0.00907	J T8	0.00630	0.0281	1	09/12/2022 09:39	WG1924028
2-Methylnaphthalene	U	T8	0.00600	0.0281	1	09/12/2022 09:39	WG1924028
2-Chloronaphthalene	U	T8	0.00654	0.0281	1	09/12/2022 09:39	WG1924028
(S) Nitrobenzene-d5	*71.8*			*14.0-149*		*09/12/2022 09:39*	WG1924028
(S) 2-Fluorobiphenyl	*71.0*			*34.0-125*		*09/12/2022 09:39*	WG1924028
(S) p-Terphenyl-d14	*73.7*			*23.0-120*		*09/12/2022 09:39*	WG1924028

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3 J4	0.0113	0.0500	1	08/30/2022 15:20	WG1918726
Acrolein	U	J3 J4	0.00254	0.0500	1	08/30/2022 15:20	WG1918726
Acrylonitrile	U	J3	0.000671	0.0100	1	08/30/2022 15:20	WG1918726
Benzene	U		0.0000941	0.00100	1	08/30/2022 15:20	WG1918726
Bromobenzene	U		0.000118	0.00100	1	08/30/2022 15:20	WG1918726
Bromodichloromethane	U		0.000136	0.00100	1	08/30/2022 15:20	WG1918726
Bromoform	U		0.000129	0.00100	1	08/30/2022 15:20	WG1918726
Bromomethane	U		0.000605	0.00500	1	08/30/2022 15:20	WG1918726
n-Butylbenzene	U		0.000157	0.00100	1	08/30/2022 15:20	WG1918726
sec-Butylbenzene	U		0.000125	0.00100	1	08/30/2022 15:20	WG1918726
tert-Butylbenzene	U		0.000127	0.00100	1	08/30/2022 15:20	WG1918726
Carbon tetrachloride	U	C3 J3	0.000128	0.00100	1	08/30/2022 15:20	WG1918726
Chlorobenzene	U		0.000116	0.00100	1	08/30/2022 15:20	WG1918726
Chlorodibromomethane	U		0.000140	0.00100	1	08/30/2022 15:20	WG1918726
Chloroethane	U		0.000192	0.00500	1	08/30/2022 15:20	WG1918726
Chloroform	U		0.000111	0.00500	1	08/30/2022 15:20	WG1918726
Chloromethane	U		0.000960	0.00250	1	08/30/2022 15:20	WG1918726
2-Chlorotoluene	U		0.000106	0.00100	1	08/30/2022 15:20	WG1918726
4-Chlorotoluene	U		0.000114	0.00100	1	08/30/2022 15:20	WG1918726
1,2-Dibromo-3-Chloropropane	U	J3	0.000276	0.00500	1	08/30/2022 15:20	WG1918726
1,2-Dibromoethane	U		0.000126	0.00100	1	08/30/2022 15:20	WG1918726
Dibromomethane	U		0.000122	0.00100	1	08/30/2022 15:20	WG1918726
1,2-Dichlorobenzene	U		0.000107	0.00100	1	08/30/2022 15:20	WG1918726
1,3-Dichlorobenzene	U		0.000110	0.00100	1	08/30/2022 15:20	WG1918726
1,4-Dichlorobenzene	U		0.000120	0.00100	1	08/30/2022 15:20	WG1918726
Dichlorodifluoromethane	U		0.000374	0.00500	1	08/30/2022 15:20	WG1918726
1,1-Dichloroethane	U		0.000100	0.00100	1	08/30/2022 15:20	WG1918726
1,2-Dichloroethane	U		0.0000819	0.00100	1	08/30/2022 15:20	WG1918726
1,1-Dichloroethene	U		0.000188	0.00100	1	08/30/2022 15:20	WG1918726
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	08/30/2022 15:20	WG1918726
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	08/30/2022 15:20	WG1918726
1,2-Dichloropropane	U		0.000149	0.00100	1	08/30/2022 15:20	WG1918726
1,1-Dichloropropene	U		0.000142	0.00100	1	08/30/2022 15:20	WG1918726
1,3-Dichloropropane	U		0.000110	0.00100	1	08/30/2022 15:20	WG1918726
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	08/30/2022 15:20	WG1918726
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	08/30/2022 15:20	WG1918726
2,2-Dichloropropane	U		0.000161	0.00100	1	08/30/2022 15:20	WG1918726
Di-isopropyl ether	U		0.000105	0.00100	1	08/30/2022 15:20	WG1918726
Ethylbenzene	U		0.000137	0.00100	1	08/30/2022 15:20	WG1918726
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	08/30/2022 15:20	WG1918726
Isopropylbenzene	U		0.000105	0.00100	1	08/30/2022 15:20	WG1918726
p-Isopropyltoluene	U		0.000120	0.00100	1	08/30/2022 15:20	WG1918726
2-Butanone (MEK)	U	J3 J4	0.00119	0.0100	1	08/30/2022 15:20	WG1918726
Methylene Chloride	U		0.000430	0.00500	1	08/30/2022 15:20	WG1918726
4-Methyl-2-pentanone (MIBK)	U	J3	0.000478	0.0100	1	08/30/2022 15:20	WG1918726
Methyl tert-butyl ether	U		0.000101	0.00100	1	08/30/2022 15:20	WG1918726
Naphthalene	U		0.00100	0.00500	1	08/30/2022 15:20	WG1918726
n-Propylbenzene	U		0.0000993	0.00100	1	08/30/2022 15:20	WG1918726
Styrene	U		0.000118	0.00100	1	08/30/2022 15:20	WG1918726
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	08/30/2022 15:20	WG1918726
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	08/30/2022 15:20	WG1918726
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	08/30/2022 15:20	WG1918726
Tetrachloroethene	U		0.000300	0.00100	1	08/30/2022 15:20	WG1918726
Toluene	U		0.000278	0.00100	1	08/30/2022 15:20	WG1918726
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	08/30/2022 15:20	WG1918726
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	08/30/2022 15:20	WG1918726

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,1-Trichloroethane	U	J3	0.000149	0.00100	1	08/30/2022 15:20	WG1918726
1,1,2-Trichloroethane	U		0.000158	0.00100	1	08/30/2022 15:20	WG1918726
Trichloroethene	U		0.000190	0.00100	1	08/30/2022 15:20	WG1918726
Trichlorofluoromethane	U		0.000160	0.00500	1	08/30/2022 15:20	WG1918726
1,2,3-Trichloropropane	U	J3 J4	0.000237	0.00250	1	08/30/2022 15:20	WG1918726
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	08/30/2022 15:20	WG1918726
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	08/30/2022 15:20	WG1918726
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	08/30/2022 15:20	WG1918726
Vinyl chloride	U		0.000234	0.00100	1	08/30/2022 15:20	WG1918726
Xylenes, Total	U		0.000174	0.00300	1	08/30/2022 15:20	WG1918726
(S) Toluene-d8	*103*			*80.0-120*		*08/30/2022 15:20*	WG1918726
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*08/30/2022 15:20*	WG1918726
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*08/30/2022 15:20*	WG1918726

Method Blank (MB)

(MB) R3831429-1 08/27/22 17:08

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

L1529653-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1529653-07 08/27/22 17:08 • (DUP) R3831429-3 08/27/22 17:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.2	77.9	1	0.324		10

Laboratory Control Sample (LCS)

(LCS) R3831429-2 08/27/22 17:08

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3831745-1 08/29/22 13:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1529281-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1529281-02 08/29/22 13:31 • (DUP) R3831745-3 08/29/22 13:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	74.8	74.3	1	0.569		10

Laboratory Control Sample (LCS)

(LCS) R3831745-2 08/29/22 13:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3833268-1 09/01/22 12:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1529310-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1529310-03 09/01/22 18:51 • (DUP) R3833268-5 09/01/22 19:21

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	42.1	3.36	1	170	J P1	15
Sulfate	13600	1370	1	163	J3	15

L1529653-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1529653-11 09/01/22 16:22 • (DUP) R3833268-4 09/01/22 16:37

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1.04	0.000		15
Sulfate	219	217	1.04	1.04		15

Laboratory Control Sample (LCS)

(LCS) R3833268-3 09/01/22 12:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	39.6	99.1	80.0-120	
Sulfate	200	206	103	80.0-120	

L1529310-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529310-03 09/01/22 18:51 • (MS) R3833268-7 09/01/22 20:24 • (MSD) R3833268-8 09/01/22 20:39

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 %
Nitrate-Nitrite	100	42.1	88.1	80.8	46.0	38.7	1	80.0-120	J6	J6	8.61	15
Sulfate	500	13600	13500	13400	0.000	0.000	1	80.0-120	E V	E V	0.813	15

Method Blank (MB)

(MB) R3832684-1 08/31/22 22:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3832684-2 08/31/22 22:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.6	91.6	80.0-120	
Cadmium	100	93.3	93.3	80.0-120	

L1529653-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529653-11 08/31/22 22:20 • (MS) R3832684-5 08/31/22 22:29 • (MSD) R3832684-6 08/31/22 22:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	140	8.25	148	146	99.4	97.9	1	75.0-125			1.39	20
Cadmium	140	0.145	142	141	101	100	1	75.0-125			0.821	20

Method Blank (MB)

(MB) R3832217-2 08/30/22 17:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3832217-1 08/30/22 15:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	5.48	99.6	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

L1528886-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-09 08/30/22 19:51 • (MS) R3832217-3 08/31/22 02:40 • (MSD) R3832217-4 08/31/22 03:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	188	20.1	170	177	79.6	83.1	25	50.0-150			3.85	27
(S) a,a,a-Trifluorotoluene(FID)					*105*	*106*		*77.0-120*				

Method Blank (MB)

(MB) R3832882-2 08/31/22 23:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.86	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

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

(LCS) R3832882-1 08/31/22 22:26 • (LCSD) R3832882-3 09/01/22 10:14

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	6.14	5.24	112	95.3	71.0-124			15.8	20
(S) a,a,a-Trifluorotoluene(FID)				*112*	*109*	*77.0-120*				

Method Blank (MB)

(MB) R3831984-3 08/29/22 20:04

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	0.00250
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

Method Blank (MB)

(MB) R3831984-3 08/29/22 20:04

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	0.000325	J	0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*96.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3831984-1 08/29/22 17:39 • (LCSD) R3831984-2 08/29/22 19:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.19	0.947	190	152	10.0-160	J4		22.7	31
Acrylonitrile	0.625	0.744	0.715	119	114	45.0-153			3.98	22
Benzene	0.125	0.130	0.116	104	92.8	70.0-123			11.4	20
Bromobenzene	0.125	0.115	0.117	92.0	93.6	73.0-121			1.72	20
Bromodichloromethane	0.125	0.141	0.134	113	107	73.0-121			5.09	20
Bromoform	0.125	0.102	0.101	81.6	80.8	64.0-132			0.985	20

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

(LCS) R3831984-1 08/29/22 17:39 • (LCSD) R3831984-2 08/29/22 19:06

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 %
Bromomethane	0.125	0.121	0.113	96.8	90.4	56.0-147			6.84	20
n-Butylbenzene	0.125	0.144	0.142	115	114	68.0-135			1.40	20
sec-Butylbenzene	0.125	0.139	0.136	111	109	74.0-130			2.18	20
tert-Butylbenzene	0.125	0.128	0.122	102	97.6	75.0-127			4.80	20
Carbon tetrachloride	0.125	0.155	0.138	124	110	66.0-128			11.6	20
Chlorobenzene	0.125	0.107	0.104	85.6	83.2	76.0-128			2.84	20
Chlorodibromomethane	0.125	0.105	0.100	84.0	80.0	74.0-127			4.88	20
Chloroethane	0.125	0.120	0.106	96.0	84.8	61.0-134			12.4	20
Chloroform	0.125	0.134	0.125	107	100	72.0-123			6.95	20
Chloromethane	0.125	0.121	0.102	96.8	81.6	51.0-138			17.0	20
2-Chlorotoluene	0.125	0.123	0.115	98.4	92.0	75.0-124			6.72	20
4-Chlorotoluene	0.125	0.129	0.123	103	98.4	75.0-124			4.76	20
1,2-Dibromo-3-Chloropropane	0.125	0.109	0.111	87.2	88.8	59.0-130			1.82	20
1,2-Dibromoethane	0.125	0.112	0.107	89.6	85.6	74.0-128			4.57	20
Dibromomethane	0.125	0.131	0.132	105	106	75.0-122			0.760	20
1,2-Dichlorobenzene	0.125	0.117	0.119	93.6	95.2	76.0-124			1.69	20
1,3-Dichlorobenzene	0.125	0.119	0.119	95.2	95.2	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.109	0.112	87.2	89.6	77.0-121			2.71	20
Dichlorodifluoromethane	0.125	0.173	0.136	138	109	43.0-156		J3	23.9	20
1,1-Dichloroethane	0.125	0.128	0.116	102	92.8	70.0-127			9.84	20
1,2-Dichloroethane	0.125	0.138	0.135	110	108	65.0-131			2.20	20
1,1-Dichloroethene	0.125	0.147	0.128	118	102	65.0-131			13.8	20
cis-1,2-Dichloroethene	0.125	0.123	0.114	98.4	91.2	73.0-125			7.59	20
trans-1,2-Dichloroethene	0.125	0.128	0.113	102	90.4	71.0-125			12.4	20
1,2-Dichloropropane	0.125	0.123	0.122	98.4	97.6	74.0-125			0.816	20
1,1-Dichloropropene	0.125	0.144	0.127	115	102	73.0-125			12.5	20
1,3-Dichloropropane	0.125	0.122	0.120	97.6	96.0	80.0-125			1.65	20
cis-1,3-Dichloropropene	0.125	0.138	0.128	110	102	76.0-127			7.52	20
trans-1,3-Dichloropropene	0.125	0.120	0.119	96.0	95.2	73.0-127			0.837	20
2,2-Dichloropropane	0.125	0.152	0.142	122	114	59.0-135			6.80	20
Di-isopropyl ether	0.125	0.118	0.112	94.4	89.6	60.0-136			5.22	20
Ethylbenzene	0.125	0.104	0.0998	83.2	79.8	74.0-126			4.12	20
Hexachloro-1,3-butadiene	0.125	0.150	0.159	120	127	57.0-150			5.83	20
Isopropylbenzene	0.125	0.117	0.109	93.6	87.2	72.0-127			7.08	20
p-Isopropyltoluene	0.125	0.128	0.127	102	102	72.0-133			0.784	20
2-Butanone (MEK)	0.625	0.841	0.814	135	130	30.0-160			3.26	24
Methylene Chloride	0.125	0.132	0.123	106	98.4	68.0-123			7.06	20
4-Methyl-2-pentanone (MIBK)	0.625	0.576	0.572	92.2	91.5	56.0-143			0.697	20
Methyl tert-butyl ether	0.125	0.137	0.134	110	107	66.0-132			2.21	20
n-Propylbenzene	0.125	0.116	0.110	92.8	88.0	74.0-126			5.31	20

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

(LCS) R3831984-1 08/29/22 17:39 • (LCSD) R3831984-2 08/29/22 19:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.101	0.0983	80.8	78.6	72.0-127			2.71	20
1,1,1,2-Tetrachloroethane	0.125	0.104	0.100	83.2	80.0	74.0-129			3.92	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.125	102	100	68.0-128			1.59	20
1,1,2-Trichlorotrifluoroethane	0.125	0.155	0.134	124	107	61.0-139			14.5	20
Tetrachloroethene	0.125	0.123	0.114	98.4	91.2	70.0-136			7.59	20
Toluene	0.125	0.115	0.109	92.0	87.2	75.0-121			5.36	20
1,2,3-Trichlorobenzene	0.125	0.129	0.146	103	117	59.0-139			12.4	20
1,2,4-Trichlorobenzene	0.125	0.135	0.152	108	122	62.0-137			11.8	20
1,1,1-Trichloroethane	0.125	0.145	0.128	116	102	69.0-126			12.5	20
1,1,2-Trichloroethane	0.125	0.115	0.115	92.0	92.0	78.0-123			0.000	20
Trichloroethene	0.125	0.119	0.107	95.2	85.6	76.0-126			10.6	20
Trichlorofluoromethane	0.125	0.165	0.140	132	112	61.0-142			16.4	20
1,2,3-Trichloropropane	0.125	0.125	0.123	100	98.4	67.0-129			1.61	20
1,2,4-Trimethylbenzene	0.125	0.125	0.121	100	96.8	70.0-126			3.25	20
1,2,3-Trimethylbenzene	0.125	0.118	0.113	94.4	90.4	74.0-124			4.33	20
1,3,5-Trimethylbenzene	0.125	0.128	0.124	102	99.2	73.0-127			3.17	20
Vinyl chloride	0.125	0.142	0.127	114	102	63.0-134			11.2	20
Xylenes, Total	0.375	0.322	0.305	85.9	81.3	72.0-127			5.42	20
(S) Toluene-d8				*93.8*	*94.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.2*	*98.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*118*	*121*	*70.0-130*				

L1529582-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529582-01 08/29/22 23:03 • (MS) R3831984-4 08/30/22 04:56 • (MSD) R3831984-5 08/30/22 05:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.648	U	0.601	0.492	92.8	76.0	1	10.0-160			19.9	40
Acrylonitrile	0.648	U	0.617	0.487	95.1	75.1	1	10.0-160			23.5	40
Benzene	0.130	U	0.158	0.0976	122	75.3	1	10.0-149		J3	47.2	37
Bromobenzene	0.130	U	0.169	0.0966	130	74.5	1	10.0-156		J3	54.4	38
Bromodichloromethane	0.130	U	0.178	0.120	137	92.4	1	10.0-143		J3	38.8	37
Bromoform	0.130	U	0.133	0.0813	103	62.7	1	10.0-146		J3	48.2	36
Bromomethane	0.130	U	0.0948	0.0523	73.1	40.3	1	10.0-149		J3	57.8	38
n-Butylbenzene	0.130	U	0.217	0.108	167	83.3	1	10.0-160	J5	J3	67.0	40
sec-Butylbenzene	0.130	U	0.193	0.106	149	81.8	1	10.0-159		J3	58.0	39
tert-Butylbenzene	0.130	U	0.210	0.102	162	79.0	1	10.0-156	J5	J3	69.0	39
Carbon tetrachloride	0.130	U	0.181	0.105	139	81.1	1	10.0-145		J3	53.0	37
Chlorobenzene	0.130	U	0.144	0.0845	111	65.2	1	10.0-152		J3	51.9	39

L1529582-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529582-01 08/29/22 23:03 • (MS) R3831984-4 08/30/22 04:56 • (MSD) R3831984-5 08/30/22 05:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	0.130	U	0.142	0.0881	109	68.0	1	10.0-146		J3	46.6	37
Chloroethane	0.130	U	0.0702	0.0363	54.1	28.0	1	10.0-146		J3	63.7	40
Chloroform	0.130	U	0.173	0.107	134	82.7	1	10.0-146		J3	47.1	37
Chloromethane	0.130	U	0.104	0.0587	80.6	45.3	1	10.0-159		J3	56.1	37
2-Chlorotoluene	0.130	U	0.171	0.0997	132	76.9	1	10.0-159		J3	52.7	38
4-Chlorotoluene	0.130	U	0.174	0.0985	134	76.0	1	10.0-155		J3	55.6	39
1,2-Dibromo-3-Chloropropane	0.130	U	0.121	0.0752	93.3	58.0	1	10.0-151		J3	46.7	39
1,2-Dibromoethane	0.130	U	0.148	0.0934	114	72.0	1	10.0-148		J3	45.4	34
Dibromomethane	0.130	U	0.155	0.103	119	79.4	1	10.0-147		J3	40.2	35
1,2-Dichlorobenzene	0.130	U	0.166	0.0967	128	74.6	1	10.0-155		J3	52.5	37
1,3-Dichlorobenzene	0.130	U	0.160	0.0929	124	71.7	1	10.0-153		J3	53.1	38
1,4-Dichlorobenzene	0.130	U	0.150	0.0870	116	67.1	1	10.0-151		J3	53.3	38
Dichlorodifluoromethane	0.130	U	0.164	0.0905	127	69.8	1	10.0-160		J3	58.0	35
1,1-Dichloroethane	0.130	U	0.163	0.102	126	78.7	1	10.0-147		J3	46.3	37
1,2-Dichloroethane	0.130	U	0.166	0.111	128	85.7	1	10.0-148		J3	39.4	35
1,1-Dichloroethene	0.130	U	0.171	0.0960	132	74.0	1	10.0-155		J3	56.2	37
cis-1,2-Dichloroethene	0.130	U	0.157	0.0970	121	74.8	1	10.0-149		J3	47.2	37
trans-1,2-Dichloroethene	0.130	U	0.135	0.0800	104	61.7	1	10.0-150		J3	51.3	37
1,2-Dichloropropane	0.130	U	0.171	0.112	132	86.6	1	10.0-148		J3	41.5	37
1,1-Dichloropropene	0.130	U	0.166	0.0968	128	74.7	1	10.0-153		J3	52.4	35
1,3-Dichloropropane	0.130	U	0.171	0.107	132	82.2	1	10.0-154		J3	46.5	35
cis-1,3-Dichloropropene	0.130	U	0.190	0.114	146	88.2	1	10.0-151		J3	49.5	37
trans-1,3-Dichloropropene	0.130	U	0.166	0.103	128	79.6	1	10.0-148		J3	46.5	37
2,2-Dichloropropane	0.130	U	0.184	0.106	142	81.4	1	10.0-138	J5	J3	54.2	36
Di-isopropyl ether	0.130	U	0.157	0.100	121	77.5	1	10.0-147		J3	43.9	36
Ethylbenzene	0.130	U	0.138	0.0799	107	61.6	1	10.0-160		J3	53.6	38
Hexachloro-1,3-butadiene	0.130	U	0.190	0.107	146	82.2	1	10.0-160		J3	56.1	40
Isopropylbenzene	0.130	U	0.155	0.0879	119	67.8	1	10.0-155		J3	55.1	38
p-Isopropyltoluene	0.130	U	0.179	0.0978	138	75.5	1	10.0-160		J3	58.5	40
2-Butanone (MEK)	0.648	U	0.524	0.419	80.8	64.7	1	10.0-160			22.2	40
Methylene Chloride	0.130	U	0.159	0.0996	123	76.8	1	10.0-141		J3	46.0	37
4-Methyl-2-pentanone (MIBK)	0.648	U	0.677	0.453	104	69.9	1	10.0-160		J3	39.5	35
Methyl tert-butyl ether	0.130	U	0.157	0.104	121	80.1	1	11.0-147		J3	40.7	35
n-Propylbenzene	0.130	U	0.161	0.0879	124	67.8	1	10.0-158		J3	58.9	38
Styrene	0.130	U	0.137	0.0804	106	62.0	1	10.0-160		J3	52.3	40
1,1,1,2-Tetrachloroethane	0.130	U	0.148	0.0888	114	68.5	1	10.0-149		J3	50.1	39
1,1,2,2-Tetrachloroethane	0.130	U	0.175	0.104	135	80.3	1	10.0-160		J3	51.1	35
1,1,2-Trichlorotrifluoroethane	0.130	U	0.192	0.110	148	84.9	1	10.0-160		J3	54.2	36
Tetrachloroethene	0.130	U	0.143	0.0805	110	62.1	1	10.0-156		J3	55.7	39

L1529582-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529582-01 08/29/22 23:03 • (MS) R3831984-4 08/30/22 04:56 • (MSD) R3831984-5 08/30/22 05:43

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
Toluene	0.130	0.00153	0.146	0.0866	111	65.6	1	10.0-156		J3	51.1	38
1,2,3-Trichlorobenzene	0.130	U	0.190	0.110	146	84.9	1	10.0-160		J3	53.1	40
1,2,4-Trichlorobenzene	0.130	U	0.200	0.113	155	87.4	1	10.0-160		J3	55.6	40
1,1,1-Trichloroethane	0.130	U	0.180	0.109	139	83.9	1	10.0-144		J3	49.2	35
1,1,2-Trichloroethane	0.130	U	0.164	0.104	127	80.6	1	10.0-160		J3	44.6	35
Trichloroethene	0.130	U	0.138	0.0820	107	63.3	1	10.0-156		J3	51.1	38
Trichlorofluoromethane	0.130	U	0.119	0.0653	91.6	50.3	1	10.0-160		J3	58.1	40
1,2,3-Trichloropropane	0.130	U	0.161	0.109	124	84.0	1	10.0-156		J3	38.7	35
1,2,4-Trimethylbenzene	0.130	U	0.184	0.104	142	80.0	1	10.0-160		J3	55.9	36
1,2,3-Trimethylbenzene	0.130	U	0.159	0.0921	123	71.0	1	10.0-160		J3	53.4	36
1,3,5-Trimethylbenzene	0.130	U	0.179	0.0998	138	77.0	1	10.0-160		J3	56.7	38
Vinyl chloride	0.130	U	0.144	0.0697	111	53.8	1	10.0-160		J3	69.4	37
Xylenes, Total	0.389	U	0.414	0.245	106	63.0	1	10.0-160		J3	51.2	38
(S) Toluene-d8					*93.9*	*92.1*		*75.0-131*				
(S) 4-Bromofluorobenzene					*93.4*	*99.2*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*98.7*	*112*		*70.0-130*				

Method Blank (MB)

(MB) R3832282-3 08/30/22 12:02

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	0.00250
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

Method Blank (MB)

(MB) R3832282-3 08/30/22 12:02

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	0.000725	J	0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

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

(LCS) R3832282-1 08/30/22 10:45 • (LCSD) R3832282-2 08/30/22 11:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.708	1.20	113	192	10.0-160		J3 J4	51.6	31
Acrylonitrile	0.625	0.799	1.07	128	171	45.0-153		J3 J4	29.0	22
Benzene	0.125	0.124	0.134	99.2	107	70.0-123			7.75	20
Bromobenzene	0.125	0.130	0.116	104	92.8	73.0-121			11.4	20
Bromodichloromethane	0.125	0.126	0.128	101	102	73.0-121			1.57	20

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

(LCS) R3832282-1 08/30/22 10:45 • (LCSD) R3832282-2 08/30/22 11:05

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 %
Bromoform	0.125	0.121	0.133	96.8	106	64.0-132			9.45	20
Bromomethane	0.125	0.115	0.114	92.0	91.2	56.0-147			0.873	20
n-Butylbenzene	0.125	0.123	0.133	98.4	106	68.0-135			7.81	20
sec-Butylbenzene	0.125	0.131	0.121	105	96.8	74.0-130			7.94	20
tert-Butylbenzene	0.125	0.130	0.117	104	93.6	75.0-127			10.5	20
Carbon tetrachloride	0.125	0.145	0.152	116	122	66.0-128			4.71	20
Chlorobenzene	0.125	0.125	0.127	100	102	76.0-128			1.59	20
Chlorodibromomethane	0.125	0.121	0.123	96.8	98.4	74.0-127			1.64	20
Chloroethane	0.125	0.134	0.133	107	106	61.0-134			0.749	20
Chloroform	0.125	0.120	0.127	96.0	102	72.0-123			5.67	20
Chloromethane	0.125	0.126	0.131	101	105	51.0-138			3.89	20
2-Chlorotoluene	0.125	0.124	0.117	99.2	93.6	75.0-124			5.81	20
4-Chlorotoluene	0.125	0.127	0.117	102	93.6	75.0-124			8.20	20
1,2-Dibromo-3-Chloropropane	0.125	0.119	0.149	95.2	119	59.0-130		J3	22.4	20
1,2-Dibromoethane	0.125	0.124	0.125	99.2	100	74.0-128			0.803	20
Dibromomethane	0.125	0.127	0.139	102	111	75.0-122			9.02	20
1,2-Dichlorobenzene	0.125	0.120	0.139	96.0	111	76.0-124			14.7	20
1,3-Dichlorobenzene	0.125	0.124	0.132	99.2	106	76.0-125			6.25	20
1,4-Dichlorobenzene	0.125	0.130	0.130	104	104	77.0-121			0.000	20
Dichlorodifluoromethane	0.125	0.116	0.124	92.8	99.2	43.0-156			6.67	20
1,1-Dichloroethane	0.125	0.128	0.134	102	107	70.0-127			4.58	20
1,2-Dichloroethane	0.125	0.133	0.140	106	112	65.0-131			5.13	20
1,1-Dichloroethene	0.125	0.127	0.133	102	106	65.0-131			4.62	20
cis-1,2-Dichloroethene	0.125	0.125	0.133	100	106	73.0-125			6.20	20
trans-1,2-Dichloroethene	0.125	0.126	0.131	101	105	71.0-125			3.89	20
1,2-Dichloropropane	0.125	0.133	0.139	106	111	74.0-125			4.41	20
1,1-Dichloropropene	0.125	0.143	0.146	114	117	73.0-125			2.08	20
1,3-Dichloropropane	0.125	0.128	0.124	102	99.2	80.0-125			3.17	20
cis-1,3-Dichloropropene	0.125	0.127	0.133	102	106	76.0-127			4.62	20
trans-1,3-Dichloropropene	0.125	0.127	0.123	102	98.4	73.0-127			3.20	20
2,2-Dichloropropane	0.125	0.133	0.145	106	116	59.0-135			8.63	20
Di-isopropyl ether	0.125	0.133	0.140	106	112	60.0-136			5.13	20
Ethylbenzene	0.125	0.128	0.138	102	110	74.0-126			7.52	20
Hexachloro-1,3-butadiene	0.125	0.116	0.162	92.8	130	57.0-150		J3	33.1	20
Isopropylbenzene	0.125	0.126	0.143	101	114	72.0-127			12.6	20
p-Isopropyltoluene	0.125	0.125	0.121	100	96.8	72.0-133			3.25	20
2-Butanone (MEK)	0.625	0.783	1.01	125	162	30.0-160		J3 J4	25.3	24
Methylene Chloride	0.125	0.124	0.136	99.2	109	68.0-123			9.23	20
4-Methyl-2-pentanone (MIBK)	0.625	0.741	0.781	119	125	56.0-143			5.26	20
Methyl tert-butyl ether	0.125	0.116	0.128	92.8	102	66.0-132			9.84	20

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

(LCS) R3832282-1 08/30/22 10:45 • (LCSD) R3832282-2 08/30/22 11:05

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 %
Naphthalene	0.125	0.109	0.154	87.2	123	59.0-130		J3	34.2	20
n-Propylbenzene	0.125	0.130	0.120	104	96.0	74.0-126			8.00	20
Styrene	0.125	0.117	0.129	93.6	103	72.0-127			9.76	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.123	91.2	98.4	74.0-129			7.59	20
1,1,2,2-Tetrachloroethane	0.125	0.120	0.102	96.0	81.6	68.0-128			16.2	20
1,1,2-Trichlorotrifluoroethane	0.125	0.128	0.129	102	103	61.0-139			0.778	20
Tetrachloroethene	0.125	0.138	0.140	110	112	70.0-136			1.44	20
Toluene	0.125	0.126	0.126	101	101	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.125	0.160	100	128	59.0-139		J3	24.6	20
1,2,4-Trichlorobenzene	0.125	0.133	0.182	106	146	62.0-137		J3 J4	31.1	20
1,1,1-Trichloroethane	0.125	0.117	0.135	93.6	108	69.0-126			14.3	20
1,1,2-Trichloroethane	0.125	0.130	0.125	104	100	78.0-123			3.92	20
Trichloroethene	0.125	0.130	0.143	104	114	76.0-126			9.52	20
Trichlorofluoromethane	0.125	0.115	0.124	92.0	99.2	61.0-142			7.53	20
1,2,3-Trichloropropane	0.125	0.132	0.121	106	96.8	67.0-129			8.70	20
1,2,4-Trimethylbenzene	0.125	0.123	0.121	98.4	96.8	70.0-126			1.64	20
1,2,3-Trimethylbenzene	0.125	0.116	0.116	92.8	92.8	74.0-124			0.000	20
1,3,5-Trimethylbenzene	0.125	0.123	0.115	98.4	92.0	73.0-127			6.72	20
Vinyl chloride	0.125	0.141	0.149	113	119	63.0-134			5.52	20
Xylenes, Total	0.375	0.370	0.410	98.7	109	72.0-127			10.3	20
(S) Toluene-d8				*105*	*99.1*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.1*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R3832730-3 08/31/22 16:51

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	0.00250
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

Method Blank (MB)

(MB) R3832730-3 08/31/22 16:51

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	0.000525	J	0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*

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

(LCS) R3832730-1 08/31/22 15:35 • (LCSD) R3832730-2 08/31/22 15:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.821	0.860	131	138	10.0-160			4.64	31
Acrylonitrile	0.625	0.866	0.891	139	143	45.0-153			2.85	22
Benzene	0.125	0.124	0.122	99.2	97.6	70.0-123			1.63	20
Bromobenzene	0.125	0.127	0.125	102	100	73.0-121			1.59	20
Bromodichloromethane	0.125	0.124	0.125	99.2	100	73.0-121			0.803	20

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

(LCS) R3832730-1 08/31/22 15:35 • (LCSD) R3832730-2 08/31/22 15:54

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 %
Bromoform	0.125	0.125	0.127	100	102	64.0-132			1.59	20
Bromomethane	0.125	0.106	0.107	84.8	85.6	56.0-147			0.939	20
n-Butylbenzene	0.125	0.123	0.121	98.4	96.8	68.0-135			1.64	20
sec-Butylbenzene	0.125	0.135	0.133	108	106	74.0-130			1.49	20
tert-Butylbenzene	0.125	0.130	0.130	104	104	75.0-127			0.000	20
Carbon tetrachloride	0.125	0.150	0.148	120	118	66.0-128			1.34	20
Chlorobenzene	0.125	0.122	0.119	97.6	95.2	76.0-128			2.49	20
Chlorodibromomethane	0.125	0.123	0.125	98.4	100	74.0-127			1.61	20
Chloroethane	0.125	0.129	0.123	103	98.4	61.0-134			4.76	20
Chloroform	0.125	0.125	0.119	100	95.2	72.0-123			4.92	20
Chloromethane	0.125	0.118	0.113	94.4	90.4	51.0-138			4.33	20
2-Chlorotoluene	0.125	0.119	0.121	95.2	96.8	75.0-124			1.67	20
4-Chlorotoluene	0.125	0.121	0.121	96.8	96.8	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.133	0.132	106	106	59.0-130			0.755	20
1,2-Dibromoethane	0.125	0.124	0.125	99.2	100	74.0-128			0.803	20
Dibromomethane	0.125	0.130	0.129	104	103	75.0-122			0.772	20
1,2-Dichlorobenzene	0.125	0.120	0.121	96.0	96.8	76.0-124			0.830	20
1,3-Dichlorobenzene	0.125	0.123	0.121	98.4	96.8	76.0-125			1.64	20
1,4-Dichlorobenzene	0.125	0.126	0.124	101	99.2	77.0-121			1.60	20
Dichlorodifluoromethane	0.125	0.109	0.109	87.2	87.2	43.0-156			0.000	20
1,1-Dichloroethane	0.125	0.126	0.123	101	98.4	70.0-127			2.41	20
1,2-Dichloroethane	0.125	0.135	0.136	108	109	65.0-131			0.738	20
1,1-Dichloroethene	0.125	0.126	0.124	101	99.2	65.0-131			1.60	20
cis-1,2-Dichloroethene	0.125	0.122	0.124	97.6	99.2	73.0-125			1.63	20
trans-1,2-Dichloroethene	0.125	0.126	0.119	101	95.2	71.0-125			5.71	20
1,2-Dichloropropane	0.125	0.130	0.133	104	106	74.0-125			2.28	20
1,1-Dichloropropene	0.125	0.139	0.139	111	111	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.123	0.126	98.4	101	80.0-125			2.41	20
cis-1,3-Dichloropropene	0.125	0.127	0.125	102	100	76.0-127			1.59	20
trans-1,3-Dichloropropene	0.125	0.122	0.126	97.6	101	73.0-127			3.23	20
2,2-Dichloropropane	0.125	0.142	0.141	114	113	59.0-135			0.707	20
Di-isopropyl ether	0.125	0.132	0.133	106	106	60.0-136			0.755	20
Ethylbenzene	0.125	0.125	0.128	100	102	74.0-126			2.37	20
Hexachloro-1,3-butadiene	0.125	0.116	0.114	92.8	91.2	57.0-150			1.74	20
Isopropylbenzene	0.125	0.128	0.127	102	102	72.0-127			0.784	20
p-Isopropyltoluene	0.125	0.125	0.125	100	100	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.866	0.913	139	146	30.0-160			5.28	24
Methylene Chloride	0.125	0.133	0.129	106	103	68.0-123			3.05	20
4-Methyl-2-pentanone (MIBK)	0.625	0.740	0.747	118	120	56.0-143			0.941	20
Methyl tert-butyl ether	0.125	0.120	0.118	96.0	94.4	66.0-132			1.68	20

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

(LCS) R3832730-1 08/31/22 15:35 • (LCSD) R3832730-2 08/31/22 15:54

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 %
Naphthalene	0.125	0.118	0.122	94.4	97.6	59.0-130			3.33	20
n-Propylbenzene	0.125	0.131	0.127	105	102	74.0-126			3.10	20
Styrene	0.125	0.117	0.114	93.6	91.2	72.0-127			2.60	20
1,1,1,2-Tetrachloroethane	0.125	0.117	0.119	93.6	95.2	74.0-129			1.69	20
1,1,2,2-Tetrachloroethane	0.125	0.117	0.120	93.6	96.0	68.0-128			2.53	20
1,1,2-Trichlorotrifluoroethane	0.125	0.128	0.127	102	102	61.0-139			0.784	20
Tetrachloroethene	0.125	0.141	0.133	113	106	70.0-136			5.84	20
Toluene	0.125	0.124	0.121	99.2	96.8	75.0-121			2.45	20
1,2,3-Trichlorobenzene	0.125	0.122	0.133	97.6	106	59.0-139			8.63	20
1,2,4-Trichlorobenzene	0.125	0.124	0.130	99.2	104	62.0-137			4.72	20
1,1,1-Trichloroethane	0.125	0.127	0.126	102	101	69.0-126			0.791	20
1,1,2-Trichloroethane	0.125	0.125	0.125	100	100	78.0-123			0.000	20
Trichloroethene	0.125	0.136	0.134	109	107	76.0-126			1.48	20
Trichlorofluoromethane	0.125	0.118	0.118	94.4	94.4	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.136	0.138	109	110	67.0-129			1.46	20
1,2,4-Trimethylbenzene	0.125	0.127	0.125	102	100	70.0-126			1.59	20
1,2,3-Trimethylbenzene	0.125	0.118	0.116	94.4	92.8	74.0-124			1.71	20
1,3,5-Trimethylbenzene	0.125	0.124	0.122	99.2	97.6	73.0-127			1.63	20
Vinyl chloride	0.125	0.134	0.129	107	103	63.0-134			3.80	20
Xylenes, Total	0.375	0.370	0.368	98.7	98.1	72.0-127			0.542	20
(S) Toluene-d8				*102*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.4*	*98.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R3832501-2 08/31/22 09:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Naphthalene	U		0.00488	0.0125
(S) Toluene-d8	*94.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3832501-1 08/31/22 08:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.113	90.4	59.0-130	
(S) Toluene-d8			*94.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*93.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*123*	*70.0-130*	

Method Blank (MB)

(MB) R3832504-2 08/30/22 13:00

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	0.000439	J	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	0.000400	J	0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	0.000110	J	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

Method Blank (MB)

(MB) R3832504-2 08/30/22 13:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	0.000341	J	0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	0.000573	J	0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	0.00123	J	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	0.000762	J	0.000230	0.00100
1,2,4-Trichlorobenzene	0.000610	J	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	0.000291	J	0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*71.4*			*70.0-130*

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

(LCS) R3832504-1 08/30/22 12:22 • (LCSD) R3832504-3 08/30/22 14:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0234	U	93.6	0.000	19.0-160		J3 J4	200	27
Acrolein	0.0250	0.129	0.0982	516	393	10.0-160	J4	J3 J4	27.1	26
Acrylonitrile	0.0250	0.0273	0.0164	109	65.6	55.0-149		J3	49.9	20
Benzene	0.00500	0.00466	0.00485	93.2	97.0	70.0-123			4.00	20

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

(LCS) R3832504-1 08/30/22 12:22 • (LCSD) R3832504-3 08/30/22 14:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00455	0.00441	91.0	88.2	73.0-121			3.13	20
Bromodichloromethane	0.00500	0.00500	0.00466	100	93.2	75.0-120			7.04	20
Bromoform	0.00500	0.00534	0.00449	107	89.8	68.0-132			17.3	20
Bromomethane	0.00500	0.00410	0.00432	82.0	86.4	10.0-160			5.23	25
n-Butylbenzene	0.00500	0.00425	0.00408	85.0	81.6	73.0-125			4.08	20
sec-Butylbenzene	0.00500	0.00452	0.00454	90.4	90.8	75.0-125			0.442	20
tert-Butylbenzene	0.00500	0.00486	0.00487	97.2	97.4	76.0-124			0.206	20
Carbon tetrachloride	0.00500	0.00372	0.00527	74.4	105	68.0-126		J3	34.5	20
Chlorobenzene	0.00500	0.00504	0.00498	101	99.6	80.0-121			1.20	20
Chlorodibromomethane	0.00500	0.00510	0.00494	102	98.8	77.0-125			3.19	20
Chloroethane	0.00500	0.00492	0.00476	98.4	95.2	47.0-150			3.31	20
Chloroform	0.00500	0.00460	0.00463	92.0	92.6	73.0-120			0.650	20
Chloromethane	0.00500	0.00597	0.00609	119	122	41.0-142			1.99	20
2-Chlorotoluene	0.00500	0.00441	0.00453	88.2	90.6	76.0-123			2.68	20
4-Chlorotoluene	0.00500	0.00429	0.00422	85.8	84.4	75.0-122			1.65	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00486	0.00375	97.2	75.0	58.0-134		J3	25.8	20
1,2-Dibromoethane	0.00500	0.00491	0.00441	98.2	88.2	80.0-122			10.7	20
Dibromomethane	0.00500	0.00473	0.00445	94.6	89.0	80.0-120			6.10	20
1,2-Dichlorobenzene	0.00500	0.00491	0.00441	98.2	88.2	79.0-121			10.7	20
1,3-Dichlorobenzene	0.00500	0.00491	0.00455	98.2	91.0	79.0-120			7.61	20
1,4-Dichlorobenzene	0.00500	0.00467	0.00462	93.4	92.4	79.0-120			1.08	20
Dichlorodifluoromethane	0.00500	0.00465	0.00482	93.0	96.4	51.0-149			3.59	20
1,1-Dichloroethane	0.00500	0.00507	0.00516	101	103	70.0-126			1.76	20
1,2-Dichloroethane	0.00500	0.00429	0.00371	85.8	74.2	70.0-128			14.5	20
1,1-Dichloroethene	0.00500	0.00516	0.00520	103	104	71.0-124			0.772	20
cis-1,2-Dichloroethene	0.00500	0.00504	0.00494	101	98.8	73.0-120			2.00	20
trans-1,2-Dichloroethene	0.00500	0.00519	0.00538	104	108	73.0-120			3.60	20
1,2-Dichloropropane	0.00500	0.00548	0.00538	110	108	77.0-125			1.84	20
1,1-Dichloropropene	0.00500	0.00485	0.00490	97.0	98.0	74.0-126			1.03	20
1,3-Dichloropropane	0.00500	0.00464	0.00432	92.8	86.4	80.0-120			7.14	20
cis-1,3-Dichloropropene	0.00500	0.00533	0.00499	107	99.8	80.0-123			6.59	20
trans-1,3-Dichloropropene	0.00500	0.00465	0.00422	93.0	84.4	78.0-124			9.70	20
2,2-Dichloropropane	0.00500	0.00467	0.00568	93.4	114	58.0-130			19.5	20
Di-isopropyl ether	0.00500	0.00516	0.00552	103	110	58.0-138			6.74	20
Ethylbenzene	0.00500	0.00536	0.00540	107	108	79.0-123			0.744	20
Hexachloro-1,3-butadiene	0.00500	0.00605	0.00548	121	110	54.0-138			9.89	20
Isopropylbenzene	0.00500	0.00570	0.00574	114	115	76.0-127			0.699	20
p-Isopropyltoluene	0.00500	0.00437	0.00438	87.4	87.6	76.0-125			0.229	20
2-Butanone (MEK)	0.0250	0.0215	0.0106	86.0	42.4	44.0-160		J3 J4	67.9	20
Methylene Chloride	0.00500	0.00439	0.00392	87.8	78.4	67.0-120			11.3	20

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

(LCS) R3832504-1 08/30/22 12:22 • (LCSD) R3832504-3 08/30/22 14:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0254	0.0201	102	80.4	68.0-142		J3	23.3	20
Methyl tert-butyl ether	0.00500	0.00455	0.00459	91.0	91.8	68.0-125			0.875	20
Naphthalene	0.00500	0.00504	0.00441	101	88.2	54.0-135			13.3	20
n-Propylbenzene	0.00500	0.00501	0.00517	100	103	77.0-124			3.14	20
Styrene	0.00500	0.00572	0.00554	114	111	73.0-130			3.20	20
1,1,1,2-Tetrachloroethane	0.00500	0.00486	0.00502	97.2	100	75.0-125			3.24	20
1,1,2,2-Tetrachloroethane	0.00500	0.00455	0.00384	91.0	76.8	65.0-130			16.9	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00490	0.00468	98.0	93.6	69.0-132			4.59	20
Tetrachloroethene	0.00500	0.00560	0.00540	112	108	72.0-132			3.64	20
Toluene	0.00500	0.00460	0.00460	92.0	92.0	79.0-120			0.000	20
1,2,3-Trichlorobenzene	0.00500	0.00519	0.00473	104	94.6	50.0-138			9.27	20
1,2,4-Trichlorobenzene	0.00500	0.00506	0.00454	101	90.8	57.0-137			10.8	20
1,1,1-Trichloroethane	0.00500	0.00416	0.00522	83.2	104	73.0-124		J3	22.6	20
1,1,2-Trichloroethane	0.00500	0.00456	0.00419	91.2	83.8	80.0-120			8.46	20
Trichloroethene	0.00500	0.00535	0.00527	107	105	78.0-124			1.51	20
Trichlorofluoromethane	0.00500	0.00482	0.00483	96.4	96.6	59.0-147			0.207	20
1,2,3-Trichloropropane	0.00500	0.00426	0.00341	85.2	68.2	73.0-130		J3 J4	22.2	20
1,2,4-Trimethylbenzene	0.00500	0.00445	0.00455	89.0	91.0	76.0-121			2.22	20
1,2,3-Trimethylbenzene	0.00500	0.00446	0.00454	89.2	90.8	77.0-120			1.78	20
1,3,5-Trimethylbenzene	0.00500	0.00456	0.00461	91.2	92.2	76.0-122			1.09	20
Vinyl chloride	0.00500	0.00549	0.00576	110	115	67.0-131			4.80	20
Xylenes, Total	0.0150	0.0161	0.0164	107	109	79.0-123			1.85	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*108*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*88.2*	*85.0*	*70.0-130*				

Method Blank (MB)

(MB) R3834089-1 09/05/22 18:14

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	*84.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3834089-2 09/05/22 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	29.8	59.6	50.0-150	
(S) o-Terphenyl			*59.3*	*18.0-148*	

L1529198-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529198-22 09/05/22 20:56 • (MS) R3834089-3 09/05/22 21:08 • (MSD) R3834089-4 09/05/22 21:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	168	74.0	216	166	84.6	54.3	1	50.0-150		J3	26.4	20
(S) o-Terphenyl					*87.3*	*85.4*		*18.0-148*				

Method Blank (MB)

(MB) R3832576-2 08/30/22 22:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00518	0.0200
Dalapon	U		0.00317	0.0200
2,4-DB	U		0.00908	0.0200
Dicamba	U		0.00431	0.0200
Dichloroprop	U		0.00333	0.0200
Dinoseb	U		0.00199	0.0200
MCPA	U		0.00342	0.0200
MCPP	U		0.00234	0.0200
2,4,5-T	U		0.00686	0.0200
2,4,5-TP (Silvex)	U		0.00171	0.0200
(S) 2,4-DB-D3	*132*	J1		*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3832576-1 08/30/22 21:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.200	0.218	109	70.0-130	
Dalapon	0.200	0.234	117	70.0-130	
2,4-DB	0.200	0.256	128	70.0-130	
Dicamba	0.200	0.231	116	70.0-130	
Dichloroprop	0.200	0.233	117	70.0-130	
Dinoseb	0.200	0.213	106	70.0-130	
MCPA	0.200	0.229	115	70.0-130	
MCPP	0.200	0.241	120	70.0-130	
2,4,5-T	0.200	0.239	119	70.0-130	
2,4,5-TP (Silvex)	0.200	0.233	117	70.0-130	
(S) 2,4-DB-D3			*127*	*70.0-130*	

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 08/30/22 22:37 • (MS) R3832576-3 08/30/22 22:58 • (MSD) R3832576-4 08/30/22 23:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.260	U	0.282	0.278	109	106	1	70.0-130			1.42	30
Dalapon	0.260	U	0.269	0.278	104	106	1	70.0-130			3.39	30
2,4-DB	0.260	U	0.313	0.318	120	121	1	70.0-130			1.68	30
Dicamba	0.260	U	0.294	0.274	113	105	1	70.0-130			6.99	30

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 08/30/22 22:37 • (MS) R3832576-3 08/30/22 22:58 • (MSD) R3832576-4 08/30/22 23:20

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dichloroprop	0.260	U	0.302	0.301	116	115	1	70.0-130			0.440	30
Dinoseb	0.260	U	0.270	0.260	104	99.0	1	70.0-130			4.00	30
MCPA	0.260	U	0.294	0.302	113	115	1	70.0-130			2.67	30
MCPP	0.260	U	0.308	0.310	118	118	1	70.0-130			0.858	30
2,4,5-T	0.260	U	0.305	0.304	117	116	1	70.0-130			0.436	30
2,4,5-TP (Silvex)	0.260	U	0.309	0.325	119	124	1	70.0-130			5.02	30
(S) 2,4-DB-D3					*128*	*130*		*70.0-130*				

Method Blank (MB)

(MB) R3832758-2 08/31/22 13:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00518	0.0200
Dalapon	U		0.00317	0.0200
2,4-DB	U		0.00908	0.0200
Dicamba	U		0.00431	0.0200
Dichloroprop	U		0.00333	0.0200
Dinoseb	U		0.00199	0.0200
MCPA	U		0.00342	0.0200
MCPP	U		0.00234	0.0200
2,4,5-T	U		0.00686	0.0200
2,4,5-TP (Silvex)	U		0.00171	0.0200
(S) 2,4-DB-D3	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3832758-1 08/31/22 12:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.200	0.199	99.5	70.0-130	
Dalapon	0.200	0.183	91.5	70.0-130	
2,4-DB	0.200	0.164	82.0	70.0-130	
Dicamba	0.200	0.186	93.0	70.0-130	
Dichloroprop	0.200	0.180	90.0	70.0-130	
Dinoseb	0.200	0.237	118	70.0-130	
MCPA	0.200	0.197	98.5	70.0-130	
MCPP	0.200	0.180	90.0	70.0-130	
2,4,5-T	0.200	0.194	97.0	70.0-130	
2,4,5-TP (Silvex)	0.200	0.165	82.5	70.0-130	
(S) 2,4-DB-D3			*114*	*70.0-130*	

L1529514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529514-01 08/31/22 13:53 • (MS) R3832758-3 08/31/22 14:12 • (MSD) R3832758-4 08/31/22 14:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.284	U	0.259	0.265	91.4	94.4	1	70.0-130			2.19	30
Dalapon	0.284	U	0.251	0.271	88.4	96.4	1	70.0-130			7.69	30
2,4-DB	0.284	U	0.224	0.241	78.8	85.7	1	70.0-130			7.41	30
Dicamba	0.284	U	0.264	0.275	92.9	98.0	1	70.0-130			4.26	30

L1529514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529514-01 08/31/22 13:53 • (MS) R3832758-3 08/31/22 14:12 • (MSD) R3832758-4 08/31/22 14:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dichloroprop	0.284	U	0.246	0.261	86.9	92.9	1	70.0-130			5.65	30
Dinoseb	0.284	U	0.332	0.327	117	116	1	70.0-130			1.74	30
MCPA	0.284	U	0.267	0.268	93.9	95.4	1	70.0-130			0.536	30
MCPP	0.284	U	0.248	0.259	87.4	92.3	1	70.0-130			4.52	30
2,4,5-T	0.284	U	0.251	0.259	88.4	92.3	1	70.0-130			3.37	30
2,4,5-TP (Silvex)	0.284	U	0.228	0.229	80.3	81.6	1	70.0-130			0.627	30
(S) 2,4-DB-D3					*102*	*108*		*70.0-130*				

Method Blank (MB)

(MB) R3836216-2 09/10/22 17:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*50.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*54.8*			*34.0-125*
(S) p-Terphenyl-d14	*58.2*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3836216-1 09/10/22 16:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0633	79.1	50.0-126	
Acenaphthene	0.0800	0.0574	71.8	50.0-120	
Acenaphthylene	0.0800	0.0639	79.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0609	76.1	45.0-120	
Benzo(a)pyrene	0.0800	0.0596	74.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0543	67.9	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0568	71.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0560	70.0	49.0-125	
Chrysene	0.0800	0.0630	78.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0543	67.9	47.0-125	
Fluoranthene	0.0800	0.0673	84.1	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3836216-1 09/10/22 16:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0609	76.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0591	73.9	46.0-125	
Naphthalene	0.0800	0.0571	71.4	50.0-120	
Phenanthrene	0.0800	0.0592	74.0	47.0-120	
Pyrene	0.0800	0.0602	75.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0578	72.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0590	73.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0552	69.0	50.0-120	
(S) Nitrobenzene-d5			*64.0*	*14.0-149*	
(S) 2-Fluorobiphenyl			*64.6*	*34.0-125*	
(S) p-Terphenyl-d14			*62.4*	*23.0-120*	

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 09/10/22 17:29 • (MS) R3836216-3 09/10/22 17:49 • (MSD) R3836216-4 09/10/22 18:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.102	U	0.0732	0.0721	71.5	70.1	1	10.0-145			1.46	30
Acenaphthene	0.102	U	0.0658	0.0682	64.2	66.2	1	14.0-127			3.56	27
Acenaphthylene	0.102	U	0.0712	0.0732	69.6	71.1	1	21.0-124			2.75	25
Benzo(a)anthracene	0.102	U	0.0697	0.0689	68.1	67.0	1	10.0-139			1.15	30
Benzo(a)pyrene	0.102	U	0.0728	0.0727	71.1	70.6	1	10.0-141			0.182	31
Benzo(b)fluoranthene	0.102	U	0.0679	0.0656	66.3	63.8	1	10.0-140			3.38	36
Benzo(g,h,i)perylene	0.102	U	0.0672	0.0674	65.7	65.5	1	10.0-140			0.197	33
Benzo(k)fluoranthene	0.102	U	0.0636	0.0659	62.2	64.0	1	10.0-137			3.48	31
Chrysene	0.102	U	0.0749	0.0758	73.2	73.7	1	10.0-145			1.23	30
Dibenz(a,h)anthracene	0.102	U	0.0611	0.0609	59.7	59.1	1	10.0-132			0.435	31
Fluoranthene	0.102	U	0.0761	0.0789	74.4	76.7	1	10.0-153			3.59	33
Fluorene	0.102	U	0.0693	0.0723	67.7	70.2	1	11.0-130			4.12	29
Indeno(1,2,3-cd)pyrene	0.102	U	0.0663	0.0668	64.8	64.9	1	10.0-137			0.797	32
Naphthalene	0.102	0.168	0.132	0.135	0.000	0.000	1	10.0-135	J6	J6	2.68	27
Phenanthrene	0.102	U	0.0674	0.0720	65.8	70.0	1	10.0-144			6.66	31
Pyrene	0.102	U	0.0715	0.0745	69.8	72.4	1	10.0-148			4.18	35
1-Methylnaphthalene	0.102	0.0769	0.0960	0.103	18.7	25.3	1	10.0-142			6.93	28
2-Methylnaphthalene	0.102	0.0284	0.0829	0.0811	53.2	51.3	1	10.0-137			2.10	28
2-Chloronaphthalene	0.102	U	0.0640	0.0672	62.6	65.3	1	29.0-120			4.85	24
(S) Nitrobenzene-d5					*61.5*	*67.6*		*14.0-149*				
(S) 2-Fluorobiphenyl					*63.2*	*70.1*		*34.0-125*				
(S) p-Terphenyl-d14					*61.0*	*62.5*		*23.0-120*				

Method Blank (MB)

(MB) R3836159-2 09/12/22 08:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*106*			*14.0-149*
(S) 2-Fluorobiphenyl	*107*			*34.0-125*
(S) p-Terphenyl-d14	*106*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3836159-1 09/12/22 08:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0679	84.9	50.0-126	
Acenaphthene	0.0800	0.0738	92.3	50.0-120	
Acenaphthylene	0.0800	0.0759	94.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0760	95.0	45.0-120	
Benzo(a)pyrene	0.0800	0.0721	90.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0715	89.4	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0664	83.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0662	82.8	49.0-125	
Chrysene	0.0800	0.0741	92.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0681	85.1	47.0-125	
Fluoranthene	0.0800	0.0750	93.8	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3836159-1 09/12/22 08:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0750	93.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0711	88.9	46.0-125	
Naphthalene	0.0800	0.0709	88.6	50.0-120	
Phenanthrene	0.0800	0.0652	81.5	47.0-120	
Pyrene	0.0800	0.0787	98.4	43.0-123	
1-Methylnaphthalene	0.0800	0.0712	89.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0750	93.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0688	86.0	50.0-120	
(S) Nitrobenzene-d5			*115*	*14.0-149*	
(S) 2-Fluorobiphenyl			*116*	*34.0-125*	
(S) p-Terphenyl-d14			*110*	*23.0-120*	

L1530171-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530171-12 09/12/22 08:45 • (MS) R3836159-3 09/12/22 09:03 • (MSD) R3836159-4 09/12/22 09:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0912	U	0.0591	0.0569	64.8	62.1	1	10.0-145			3.85	30
Acenaphthene	0.0912	U	0.0676	0.0658	74.1	71.8	1	14.0-127			2.64	27
Acenaphthylene	0.0912	U	0.0687	0.0685	75.4	74.7	1	21.0-124			0.342	25
Benzo(a)anthracene	0.0912	U	0.0634	0.0583	69.6	63.6	1	10.0-139			8.49	30
Benzo(a)pyrene	0.0912	U	0.0636	0.0599	69.7	65.4	1	10.0-141			5.90	31
Benzo(b)fluoranthene	0.0912	U	0.0538	0.0498	59.0	54.4	1	10.0-140			7.71	36
Benzo(g,h,i)perylene	0.0912	U	0.0518	0.0484	56.8	52.8	1	10.0-140			6.80	33
Benzo(k)fluoranthene	0.0912	U	0.0560	0.0524	61.5	57.2	1	10.0-137			6.72	31
Chrysene	0.0912	U	0.0644	0.0625	70.6	68.2	1	10.0-145			2.96	30
Dibenz(a,h)anthracene	0.0912	U	0.0562	0.0526	61.6	57.4	1	10.0-132			6.48	31
Fluoranthene	0.0912	U	0.0644	0.0616	70.6	67.2	1	10.0-153			4.48	33
Fluorene	0.0912	U	0.0654	0.0623	71.8	67.9	1	11.0-130			4.97	29
Indeno(1,2,3-cd)pyrene	0.0912	U	0.0551	0.0524	60.4	57.2	1	10.0-137			5.03	32
Naphthalene	0.0912	0.0156	0.0873	0.0874	78.6	78.3	1	10.0-135			0.135	27
Phenanthrene	0.0912	U	0.0576	0.0555	63.1	60.5	1	10.0-144			3.74	31
Pyrene	0.0912	U	0.0670	0.0650	73.5	70.9	1	10.0-148			3.03	35
1-Methylnaphthalene	0.0912	U	0.0714	0.0705	78.4	76.9	1	10.0-142			1.32	28
2-Methylnaphthalene	0.0912	0.00841	0.0802	0.0785	78.8	76.5	1	10.0-137			2.22	28
2-Chloronaphthalene	0.0912	U	0.0636	0.0612	69.7	66.8	1	29.0-120			3.77	24
(S) Nitrobenzene-d5					*97.9*	*90.3*		*14.0-149*				
(S) 2-Fluorobiphenyl					*94.9*	*84.4*		*34.0-125*				
(S) p-Terphenyl-d14					*85.4*	*73.1*		*23.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.

GLOSSARY OF TERMS

Qualifier	Description
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
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:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to: **Tyler Allen**

Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description: **Simplot-- Sunnyside, WA**

City/State Collected: Sunnyside, WA

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project # 10302586

Lab Project # **HDRBID-SUNNYSIDE**

Collected by (print): Blake Urie

Site/Facility ID # **SUNNYSIDE, WA**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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: standard TAT

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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/hubfs/pas-standard-terms.pdf

SDG # L1529653

M190

Acctnum: **HDRBID**
Template: **T214429**
Prelogin: **P943404**
PM: **841 - Kelly Mercer**
PB: DP 8.12.22

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr		Remarks	Sample # (lab only)
P3Soil BH7-10-11-20220823-0	G	SS	10-11	08/23/22	10:55	4	✓	✓	✓	✓	✓	✓	✓	2 ✓		-01
P3Soil BH8-12.5-15-20220823-0	G	SS	12.5-15		11:30											-02
P3Soil BH9-13-15-20220823-0	G	SS	13-15		11:50											-03
P3Soil BH11-10-12.5-20220823-0	G	SS	10-12.5		12:30											-04
P3Soil BH12-12.5-15-20220823-0	G	SS	12.5-15		12:20											-05
P3Soil BH13-14-15-20220823-0	G	SS	14-15		15:00											-06
P3Soil BH14-13-15-20220823-0	G	SS	14-15		15:10											-07
P3Soil BH15-12-15-20220823-0	G	SS	[illegible]	12-15	15:36											-08
P3Soil BH16-1-5-20220823-0	G	SS	1-5		16:40											-09
P3Soil BH17-13-15-20220823-0	G	SS	13-15		16:50	4	✓	✓	✓	✓	✓	✓	✓	2 ✓		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: elevated VOCs (PID reading) Multiple day shipment

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	08/24/22	12:45			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.8 °C Bottles Received: 44	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/25/22 Time: 0900	Hold: / Condition: NCF / OK

Company Name/Address:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to:
Tyler Allen

Email To:
tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description:
Simplot-- Sunnyside, WA

City/State Collected:

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project #

Lab Project #
HDRBID-SUNNYSIDE

Collected by (print):
Blake Uric

Site/Facility ID #
SUNNYSIDE, WA

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr			Remarks	Sample # (lab only)
P3S01BH18-14-15-20220823	G	SS	14-15'	08/23/22	16:55	4	✓	✓	✓	✓	✓	✓	✓				-11
Trip Blank		SS				1											-12
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Chain of Custody Page 2 of 2

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/hubfs/pas-standard-terms.pdf

SDG # L1529653

Table #

Acctnum: **HDRBID**
Template: **T214429**
Prelogin: **P943404**
PM: **841 - Kelly Mercer**
PB: CR 8-12-22

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
				1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.8 °C Bottles Received: 44
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/25/22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

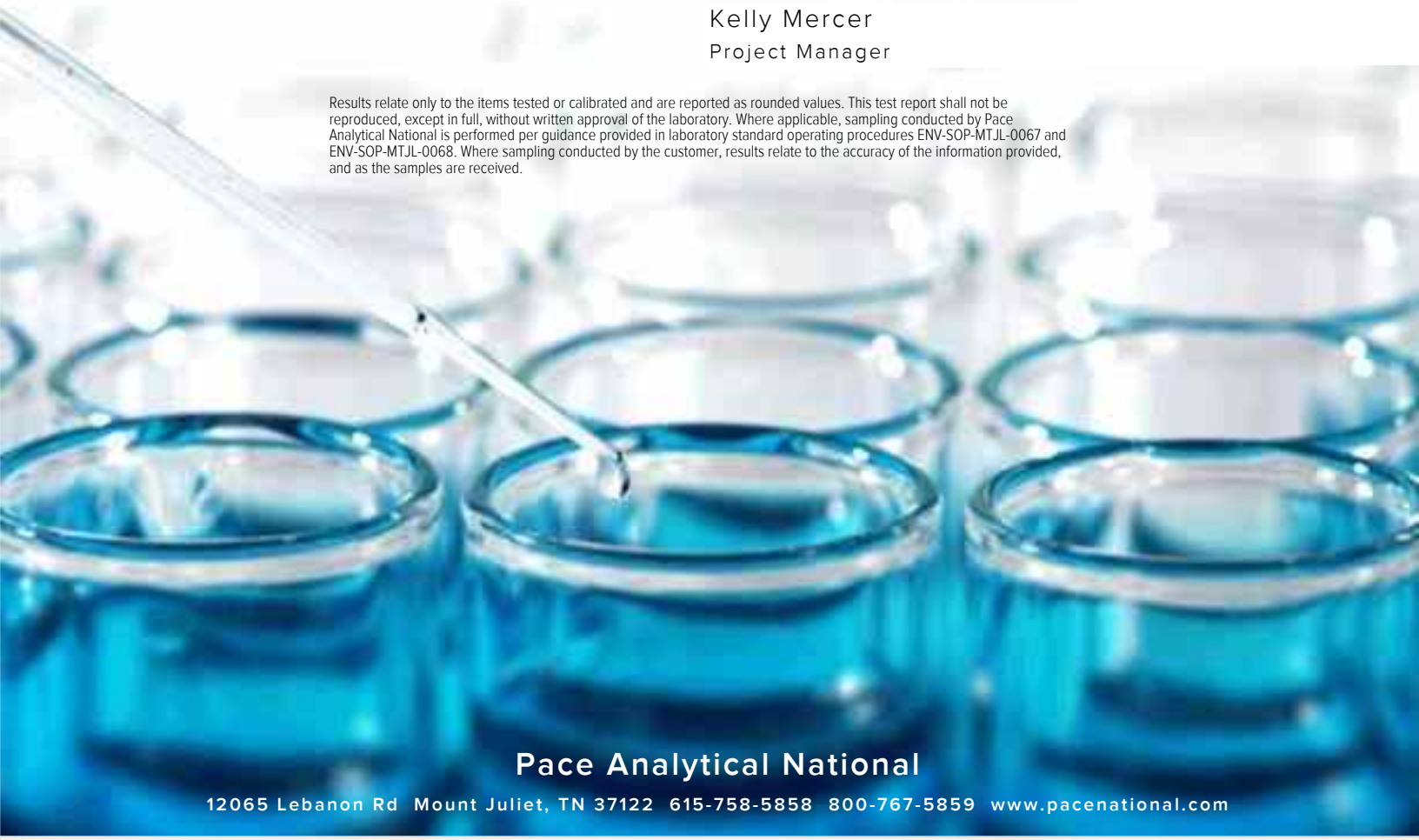
September 27, 2022

HDR - Boise, ID

Sample Delivery Group:	L1530171
Samples Received:	08/26/2022
Project Number:	10302086
Description:	Simplot-- Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

Entire Report Reviewed By:

Kelly Mercer
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

P3SOILBH19-9-10-20220824-06 L1530171-01 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1.02	09/04/22 13:42	09/04/22 17:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	5	08/31/22 15:25	08/31/22 23:21	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919066	25	08/24/22 16:10	08/31/22 20:01	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 19:34	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	2	08/24/22 16:10	09/06/22 14:13	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 21:08	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 16:00	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:33	09/12/22 09:57	AMG	Mt. Juliet, TN

P3SOILBH20-9-10-20220824-06 L1530171-02 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 17:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	5	08/31/22 15:25	08/31/22 23:57	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 11:53	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1920388	1000	08/24/22 16:10	09/02/22 12:17	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 19:54	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	10	08/24/22 16:10	09/06/22 14:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 21:20	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 16:18	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:37	09/12/22 10:14	AMG	Mt. Juliet, TN

P3SOILBH20-12-13-20220824-06 L1530171-03 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1.01	09/04/22 13:42	09/04/22 17:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	5	08/31/22 15:25	09/01/22 00:51	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:09	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1920388	1000	08/24/22 16:10	09/02/22 12:37	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 20:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	20	08/24/22 16:10	09/06/22 14:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 21:45	JDG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 16:35	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:40	09/12/22 10:32	AMG	Mt. Juliet, TN

P3SOILBH21-3-5-20220824-06 L1530171-04 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	5	09/04/22 13:42	09/04/22 23:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	10.4	08/31/22 15:25	09/01/22 01:09	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:12	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1921428	25	08/24/22 16:10	09/05/22 08:08	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 20:33	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	1	08/24/22 16:10	09/06/22 12:57	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919957	1	09/03/22 08:18	09/05/22 21:33	JDG	Mt. Juliet, TN

P3SOILBH21-3-5-20220824-06 L1530171-04 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 16:53	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:46	09/12/22 10:50	AMG	Mt. Juliet, TN

P3SOILBH21-12.5-15-20220824-06 L1530171-05 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 18:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1	08/31/22 15:25	09/01/22 01:27	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919066	25	08/24/22 16:10	08/31/22 21:23	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 20:52	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	10	08/24/22 16:10	09/06/22 15:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 18:53	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1.03	08/31/22 09:14	08/31/22 17:11	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:47	09/12/22 11:08	AMG	Mt. Juliet, TN

P3SOILBH22-0-5-20220824-06 L1530171-06 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	5	09/04/22 13:42	09/04/22 23:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	10.5	08/31/22 15:25	09/01/22 01:45	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:23	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919066	25.5	08/24/22 16:10	08/31/22 21:43	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 21:12	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	1	08/24/22 16:10	09/06/22 13:16	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	5	09/02/22 07:52	09/02/22 21:43	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 17:29	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:49	09/12/22 15:19	AMG	Mt. Juliet, TN

P3SOILBH22-12.5-15-20220824-06 L1530171-07 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1.01	09/04/22 13:42	09/04/22 20:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	5	08/31/22 15:25	09/01/22 02:03	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:25	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1920388	250	08/24/22 16:10	09/02/22 11:56	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 21:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	20	08/24/22 16:10	09/06/22 15:27	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 19:06	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1.04	08/31/22 09:14	08/31/22 17:47	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:52	09/12/22 11:25	AMG	Mt. Juliet, TN

P3SOILBH23-12.5-15-20220824-06 L1530171-08 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 20:21	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1	08/31/22 15:25	09/01/22 02:39	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919010	1	08/31/22 15:37	09/01/22 12:28	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1920388	1000	08/24/22 16:10	09/02/22 12:58	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 21:51	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	40	08/24/22 16:10	09/06/22 15:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 19:19	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 18:05	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:55	09/12/22 11:43	AMG	Mt. Juliet, TN

P3SOILBH24-2-5-20220824-06 L1530171-09 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918840	1	08/31/22 09:02	08/31/22 09:14	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	5.05	09/04/22 13:42	09/05/22 00:05	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1	08/31/22 15:25	09/01/22 02:56	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1920328	1	09/01/22 17:11	09/02/22 13:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1920405	25	08/24/22 16:10	09/03/22 00:43	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 22:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	1	08/24/22 16:10	09/06/22 13:35	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 19:32	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1.03	08/31/22 09:14	08/31/22 18:23	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:57	09/12/22 12:01	AMG	Mt. Juliet, TN

P3SOILBH24-13-14.5-20220824-06 L1530171-10 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 16:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 20:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1	08/31/22 15:25	09/01/22 03:14	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918900	1	09/05/22 22:16	09/06/22 14:55	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1921089	500	08/24/22 16:10	09/03/22 21:14	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 16:10	09/01/22 22:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	40	08/24/22 16:10	09/06/22 16:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 19:45	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 18:41	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 09:59	09/12/22 12:19	AMG	Mt. Juliet, TN

P3SOILBH26-10-13-20220824 L1530171-11 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 17:55 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 21:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	5.1	08/31/22 15:25	09/01/22 03:32	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918900	1	09/05/22 22:16	09/06/22 14:58	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1921089	500	08/24/22 17:55	09/03/22 21:34	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 17:55	09/01/22 22:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	40	08/24/22 17:55	09/06/22 16:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 20:50	NH	Mt. Juliet, TN

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

P3SOILBH26-10-13-20220824 L1530171-11 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 17:55 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1.05	08/31/22 09:14	08/31/22 18:59	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 10:02	09/12/22 12:37	AMG	Mt. Juliet, TN

P3SOILBH26-0-1-20220824-06 L1530171-12 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 18:05 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	5.05	09/04/22 13:42	09/05/22 00:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	10	08/31/22 15:25	09/01/22 03:50	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1918900	1	09/05/22 22:16	09/06/22 15:01	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1921089	25	08/24/22 18:05	09/03/22 16:07	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 18:05	09/01/22 23:08	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	1	08/24/22 18:05	09/06/22 13:54	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 20:11	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 19:17	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 10:10	09/12/22 08:45	ADF	Mt. Juliet, TN

P3SOILBH26-12-13-20220824-06 L1530171-13 Solid

Collected by: Blake Urie | Collected date/time: 08/24/22 18:15 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 22:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1	08/31/22 15:25	09/01/22 04:44	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919374	1	08/31/22 12:24	09/01/22 01:08	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1921089	500	08/24/22 18:15	09/03/22 21:55	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920311	1	08/24/22 18:15	09/01/22 23:28	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1921830	40	08/24/22 18:15	09/06/22 16:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919961	1	09/02/22 07:52	09/02/22 19:58	NH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918510	1	08/31/22 09:14	08/31/22 19:34	GKM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924028	1	09/11/22 10:10	09/12/22 12:55	AMG	Mt. Juliet, TN

P3SOILBH9-10-13-20220825-06 L1530171-14 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 12:10 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 2580 B-2011	WG1926329	1	09/14/22 14:18	09/21/22 10:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1921572	1	09/06/22 10:00	09/06/22 12:00	SGB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1.02	09/04/22 13:42	09/04/22 22:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918943	1.02	08/31/22 15:25	09/01/22 05:02	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919374	1	08/31/22 12:24	09/01/22 01:11	CCE	Mt. Juliet, TN

P3SOILBH11-1-5-20220825-06 L1530171-15 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 12:20 | Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 2580 B-2011	WG1931078	1	09/23/22 06:04	09/23/22 08:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1921572	1	09/06/22 10:00	09/06/22 12:00	SGB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1	09/04/22 13:42	09/04/22 22:50	GEB	Mt. Juliet, TN

P3SOILBH11-1-5-20220825-06 L1530171-15 Solid

Collected by: Blake Urie
Collected date/time: 08/25/22 12:20
Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1922154	5.05	09/07/22 00:36	09/07/22 04:27	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919374	1	08/31/22 12:24	09/01/22 01:19	CCE	Mt. Juliet, TN

P3SOILBH19-5-9-20220825-06 L1530171-16 Solid

Collected by: Blake Urie
Collected date/time: 08/25/22 12:30
Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1918843	1	08/30/22 18:04	08/30/22 18:18	CMK	Mt. Juliet, TN
Wet Chemistry by Method 2580 B-2011	WG1926329	1	09/14/22 14:18	09/21/22 10:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1921572	1	09/06/22 10:00	09/06/22 12:00	SGB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1918941	1.01	09/04/22 13:42	09/04/22 23:05	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919374	1	08/31/22 12:24	09/01/22 01:22	CCE	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	Batch
	%			date / time	
Total Solids	71.6		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	230		7.40	140	5	08/31/2022 23:21	WG1918943
Sulfate	430		18.4	71.2	1.02	09/04/2022 17:22	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.08		0.723	2.79	1	09/01/2022 12:06	WG1919010
Cadmium	0.304	J	0.0658	0.698	1	09/01/2022 12:06	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	17.7		1.59	4.68	25	08/31/2022 20:01	WG1919066
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*08/31/2022 20:01*	WG1919066

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0680	0.0931	1	09/01/2022 19:34	WG1920311
Acrylonitrile	U		0.00672	0.0233	1	09/01/2022 19:34	WG1920311
Benzene	0.309		0.000870	0.00186	1	09/01/2022 19:34	WG1920311
Bromobenzene	U		0.00168	0.0233	1	09/01/2022 19:34	WG1920311
Bromodichloromethane	U		0.00135	0.00466	1	09/01/2022 19:34	WG1920311
Bromoform	U		0.00218	0.0466	1	09/01/2022 19:34	WG1920311
Bromomethane	U		0.00367	0.0233	1	09/01/2022 19:34	WG1920311
n-Butylbenzene	0.0306		0.00978	0.0233	1	09/01/2022 19:34	WG1920311
sec-Butylbenzene	0.0214	J	0.00536	0.0233	1	09/01/2022 19:34	WG1920311
tert-Butylbenzene	U		0.00363	0.00931	1	09/01/2022 19:34	WG1920311
Carbon tetrachloride	U		0.00167	0.00931	1	09/01/2022 19:34	WG1920311
Chlorobenzene	U		0.000391	0.00466	1	09/01/2022 19:34	WG1920311
Chlorodibromomethane	U		0.00114	0.00466	1	09/01/2022 19:34	WG1920311
Chloroethane	U		0.00317	0.00931	1	09/01/2022 19:34	WG1920311
Chloroform	U		0.00192	0.00466	1	09/01/2022 19:34	WG1920311
Chloromethane	U	C3	0.00810	0.0233	1	09/01/2022 19:34	WG1920311
2-Chlorotoluene	U		0.00161	0.00466	1	09/01/2022 19:34	WG1920311
4-Chlorotoluene	U		0.000838	0.00931	1	09/01/2022 19:34	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00727	0.0466	1	09/01/2022 19:34	WG1920311
1,2-Dibromoethane	U		0.00121	0.00466	1	09/01/2022 19:34	WG1920311
Dibromomethane	U		0.00140	0.00931	1	09/01/2022 19:34	WG1920311
1,2-Dichlorobenzene	U		0.000792	0.00931	1	09/01/2022 19:34	WG1920311
1,3-Dichlorobenzene	U		0.00112	0.00931	1	09/01/2022 19:34	WG1920311
1,4-Dichlorobenzene	U		0.00130	0.00931	1	09/01/2022 19:34	WG1920311
Dichlorodifluoromethane	U		0.00300	0.00466	1	09/01/2022 19:34	WG1920311
1,1-Dichloroethane	U		0.000915	0.00466	1	09/01/2022 19:34	WG1920311
1,2-Dichloroethane	U		0.00121	0.00466	1	09/01/2022 19:34	WG1920311
1,1-Dichloroethene	U		0.00113	0.00466	1	09/01/2022 19:34	WG1920311
cis-1,2-Dichloroethene	U		0.00137	0.00466	1	09/01/2022 19:34	WG1920311
trans-1,2-Dichloroethene	U		0.00194	0.00931	1	09/01/2022 19:34	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00265	0.00931	1	09/01/2022 19:34	WG1920311
1,1-Dichloropropene	U		0.00151	0.00466	1	09/01/2022 19:34	WG1920311
1,3-Dichloropropane	U		0.000933	0.00931	1	09/01/2022 19:34	WG1920311
cis-1,3-Dichloropropene	U		0.00141	0.00466	1	09/01/2022 19:34	WG1920311
trans-1,3-Dichloropropene	U		0.00212	0.00931	1	09/01/2022 19:34	WG1920311
2,2-Dichloropropane	U		0.00257	0.00466	1	09/01/2022 19:34	WG1920311
Di-isopropyl ether	U		0.000764	0.00186	1	09/01/2022 19:34	WG1920311
Ethylbenzene	0.00197	J	0.00137	0.00466	1	09/01/2022 19:34	WG1920311
Hexachloro-1,3-butadiene	U		0.0112	0.0466	1	09/01/2022 19:34	WG1920311
Isopropylbenzene	0.0792		0.000792	0.00466	1	09/01/2022 19:34	WG1920311
p-Isopropyltoluene	0.0166		0.00475	0.00931	1	09/01/2022 19:34	WG1920311
2-Butanone (MEK)	U		0.118	0.186	1	09/01/2022 19:34	WG1920311
Methylene Chloride	U		0.0124	0.0466	1	09/01/2022 19:34	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00425	0.0466	1	09/01/2022 19:34	WG1920311
Methyl tert-butyl ether	U		0.000652	0.00186	1	09/01/2022 19:34	WG1920311
Naphthalene	0.937		0.0182	0.0466	2	09/06/2022 14:13	WG1921830
n-Propylbenzene	0.164		0.00177	0.00931	1	09/01/2022 19:34	WG1920311
Styrene	U	C3	0.000427	0.0233	1	09/01/2022 19:34	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00177	0.00466	1	09/01/2022 19:34	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00129	0.00466	1	09/01/2022 19:34	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00140	0.00466	1	09/01/2022 19:34	WG1920311
Tetrachloroethene	U		0.00167	0.00466	1	09/01/2022 19:34	WG1920311
Toluene	0.00650	J	0.00242	0.00931	1	09/01/2022 19:34	WG1920311
1,2,3-Trichlorobenzene	U		0.0137	0.0233	1	09/01/2022 19:34	WG1920311
1,2,4-Trichlorobenzene	U		0.00820	0.0233	1	09/01/2022 19:34	WG1920311
1,1,1-Trichloroethane	U		0.00172	0.00466	1	09/01/2022 19:34	WG1920311
1,1,2-Trichloroethane	U		0.00111	0.00466	1	09/01/2022 19:34	WG1920311
Trichloroethene	U		0.00109	0.00186	1	09/01/2022 19:34	WG1920311
Trichlorofluoromethane	U		0.00154	0.00466	1	09/01/2022 19:34	WG1920311
1,2,3-Trichloropropane	U		0.00302	0.0233	1	09/01/2022 19:34	WG1920311
1,2,4-Trimethylbenzene	1.56		0.00294	0.00931	1	09/01/2022 19:34	WG1920311
1,2,3-Trimethylbenzene	0.319		0.00294	0.00931	1	09/01/2022 19:34	WG1920311
1,3,5-Trimethylbenzene	0.501		0.00373	0.00931	1	09/01/2022 19:34	WG1920311
Vinyl chloride	U		0.00216	0.00466	1	09/01/2022 19:34	WG1920311
Xylenes, Total	0.127		0.00164	0.0121	1	09/01/2022 19:34	WG1920311
(S) Toluene-d8	*96.4*			*75.0-131*		*09/01/2022 19:34*	WG1920311
(S) Toluene-d8	*98.7*			*75.0-131*		*09/06/2022 14:13*	WG1921830
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*09/01/2022 19:34*	WG1920311
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/06/2022 14:13*	WG1921830
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*09/01/2022 19:34*	WG1920311
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*09/06/2022 14:13*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5.54	J	1.86	5.58	1	09/05/2022 21:08	WG1919957
Residual Range Organics (RRO)	U		4.65	14.0	1	09/05/2022 21:08	WG1919957
(S) o-Terphenyl	*73.1*			*18.0-148*		*09/05/2022 21:08*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00723	0.0279	1	08/31/2022 16:00	WG1918510
Dalapon	U		0.00443	0.0279	1	08/31/2022 16:00	WG1918510
2,4-DB	U		0.0127	0.0279	1	08/31/2022 16:00	WG1918510
Dicamba	U		0.00602	0.0279	1	08/31/2022 16:00	WG1918510
Dichloroprop	U		0.00465	0.0279	1	08/31/2022 16:00	WG1918510
Dinoseb	U		0.00278	0.0279	1	08/31/2022 16:00	WG1918510
MCPA	U		0.00477	0.0279	1	08/31/2022 16:00	WG1918510
MCPP	U		0.00327	0.0279	1	08/31/2022 16:00	WG1918510
2,4,5-T	U		0.00958	0.0279	1	08/31/2022 16:00	WG1918510
2,4,5-TP (Silvex)	U		0.00239	0.0279	1	08/31/2022 16:00	WG1918510
(S) 2,4-DB-D3	*96.4*			*70.0-130*		*08/31/2022 16:00*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00321	0.00838	1	09/12/2022 09:57	WG1924028
Acenaphthene	U	T8	0.00292	0.00838	1	09/12/2022 09:57	WG1924028
Acenaphthylene	U	T8	0.00302	0.00838	1	09/12/2022 09:57	WG1924028
Benzo(a)anthracene	U	T8	0.00242	0.00838	1	09/12/2022 09:57	WG1924028
Benzo(a)pyrene	U	T8	0.00250	0.00838	1	09/12/2022 09:57	WG1924028
Benzo(b)fluoranthene	U	T8	0.00214	0.00838	1	09/12/2022 09:57	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00247	0.00838	1	09/12/2022 09:57	WG1924028
Benzo(k)fluoranthene	U	T8	0.00300	0.00838	1	09/12/2022 09:57	WG1924028
Chrysene	U	T8	0.00324	0.00838	1	09/12/2022 09:57	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00240	0.00838	1	09/12/2022 09:57	WG1924028
Fluoranthene	U	T8	0.00317	0.00838	1	09/12/2022 09:57	WG1924028
Fluorene	U	T8	0.00286	0.00838	1	09/12/2022 09:57	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00253	0.00838	1	09/12/2022 09:57	WG1924028
Naphthalene	0.0392	T8	0.00570	0.0279	1	09/12/2022 09:57	WG1924028
Phenanthrene	U	T8	0.00322	0.00838	1	09/12/2022 09:57	WG1924028
Pyrene	U	T8	0.00279	0.00838	1	09/12/2022 09:57	WG1924028
1-Methylnaphthalene	U	T8	0.00627	0.0279	1	09/12/2022 09:57	WG1924028
2-Methylnaphthalene	0.00684	J T8	0.00596	0.0279	1	09/12/2022 09:57	WG1924028
2-Chloronaphthalene	U	T8	0.00651	0.0279	1	09/12/2022 09:57	WG1924028
(S) Nitrobenzene-d5	*69.0*			*14.0-149*		*09/12/2022 09:57*	WG1924028
(S) 2-Fluorobiphenyl	*70.5*			*34.0-125*		*09/12/2022 09:57*	WG1924028
(S) p-Terphenyl-d14	*67.2*			*23.0-120*		*09/12/2022 09:57*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	72.8	J	7.23	136	5	08/31/2022 23:57	WG1918943
Sulfate	151		17.6	68.2	1	09/04/2022 17:37	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.86		0.706	2.73	1	09/01/2022 11:53	WG1919010
Cadmium	0.471	J	0.0642	0.682	1	09/01/2022 11:53	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1960		62.0	183	1000	09/02/2022 12:17	WG1920388
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*77.0-120*		*09/02/2022 12:17*	WG1920388

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0663	0.0908	1	09/01/2022 19:54	WG1920311
Acrylonitrile	U		0.00656	0.0227	1	09/01/2022 19:54	WG1920311
Benzene	0.0143		0.000848	0.00182	1	09/01/2022 19:54	WG1920311
Bromobenzene	U		0.00163	0.0227	1	09/01/2022 19:54	WG1920311
Bromodichloromethane	U		0.00132	0.00454	1	09/01/2022 19:54	WG1920311
Bromoform	U		0.00213	0.0454	1	09/01/2022 19:54	WG1920311
Bromomethane	U		0.00358	0.0227	1	09/01/2022 19:54	WG1920311
n-Butylbenzene	2.38		0.00954	0.0227	1	09/01/2022 19:54	WG1920311
sec-Butylbenzene	0.645		0.00523	0.0227	1	09/01/2022 19:54	WG1920311
tert-Butylbenzene	U		0.00354	0.00908	1	09/01/2022 19:54	WG1920311
Carbon tetrachloride	U		0.00163	0.00908	1	09/01/2022 19:54	WG1920311
Chlorobenzene	U		0.000381	0.00454	1	09/01/2022 19:54	WG1920311
Chlorodibromomethane	U		0.00111	0.00454	1	09/01/2022 19:54	WG1920311
Chloroethane	U		0.00309	0.00908	1	09/01/2022 19:54	WG1920311
Chloroform	U		0.00187	0.00454	1	09/01/2022 19:54	WG1920311
Chloromethane	U	C3	0.00790	0.0227	1	09/01/2022 19:54	WG1920311
2-Chlorotoluene	U		0.00157	0.00454	1	09/01/2022 19:54	WG1920311
4-Chlorotoluene	U		0.000817	0.00908	1	09/01/2022 19:54	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00708	0.0454	1	09/01/2022 19:54	WG1920311
1,2-Dibromoethane	U		0.00118	0.00454	1	09/01/2022 19:54	WG1920311
Dibromomethane	U		0.00136	0.00908	1	09/01/2022 19:54	WG1920311
1,2-Dichlorobenzene	U		0.000772	0.00908	1	09/01/2022 19:54	WG1920311
1,3-Dichlorobenzene	U		0.00109	0.00908	1	09/01/2022 19:54	WG1920311
1,4-Dichlorobenzene	0.00160	J	0.00127	0.00908	1	09/01/2022 19:54	WG1920311
Dichlorodifluoromethane	U		0.00292	0.00454	1	09/01/2022 19:54	WG1920311
1,1-Dichloroethane	U		0.000892	0.00454	1	09/01/2022 19:54	WG1920311
1,2-Dichloroethane	U		0.00118	0.00454	1	09/01/2022 19:54	WG1920311
1,1-Dichloroethene	U		0.00110	0.00454	1	09/01/2022 19:54	WG1920311
cis-1,2-Dichloroethene	U		0.00133	0.00454	1	09/01/2022 19:54	WG1920311
trans-1,2-Dichloroethene	U		0.00189	0.00908	1	09/01/2022 19:54	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00258	0.00908	1	09/01/2022 19:54	WG1920311
1,1-Dichloropropene	U		0.00147	0.00454	1	09/01/2022 19:54	WG1920311
1,3-Dichloropropane	U		0.000910	0.00908	1	09/01/2022 19:54	WG1920311
cis-1,3-Dichloropropene	U		0.00138	0.00454	1	09/01/2022 19:54	WG1920311
trans-1,3-Dichloropropene	U		0.00207	0.00908	1	09/01/2022 19:54	WG1920311
2,2-Dichloropropane	U		0.00251	0.00454	1	09/01/2022 19:54	WG1920311
Di-isopropyl ether	U		0.000745	0.00182	1	09/01/2022 19:54	WG1920311
Ethylbenzene	0.0213		0.00134	0.00454	1	09/01/2022 19:54	WG1920311
Hexachloro-1,3-butadiene	U		0.0109	0.0454	1	09/01/2022 19:54	WG1920311
Isopropylbenzene	0.213		0.000772	0.00454	1	09/01/2022 19:54	WG1920311
p-Isopropyltoluene	0.436		0.00463	0.00908	1	09/01/2022 19:54	WG1920311
2-Butanone (MEK)	U		0.115	0.182	1	09/01/2022 19:54	WG1920311
Methylene Chloride	U		0.0121	0.0454	1	09/01/2022 19:54	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00414	0.0454	1	09/01/2022 19:54	WG1920311
Methyl tert-butyl ether	U		0.000636	0.00182	1	09/01/2022 19:54	WG1920311
Naphthalene	0.285		0.00886	0.0227	1	09/01/2022 19:54	WG1920311
n-Propylbenzene	1.85		0.00173	0.00908	1	09/01/2022 19:54	WG1920311
Styrene	U	C3	0.000416	0.0227	1	09/01/2022 19:54	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00172	0.00454	1	09/01/2022 19:54	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00126	0.00454	1	09/01/2022 19:54	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00137	0.00454	1	09/01/2022 19:54	WG1920311
Tetrachloroethene	U		0.00163	0.00454	1	09/01/2022 19:54	WG1920311
Toluene	0.00530	J	0.00236	0.00908	1	09/01/2022 19:54	WG1920311
1,2,3-Trichlorobenzene	0.0365		0.0133	0.0227	1	09/01/2022 19:54	WG1920311
1,2,4-Trichlorobenzene	0.209		0.00799	0.0227	1	09/01/2022 19:54	WG1920311
1,1,1-Trichloroethane	U		0.00168	0.00454	1	09/01/2022 19:54	WG1920311
1,1,2-Trichloroethane	U		0.00108	0.00454	1	09/01/2022 19:54	WG1920311
Trichloroethene	U		0.00106	0.00182	1	09/01/2022 19:54	WG1920311
Trichlorofluoromethane	U		0.00150	0.00454	1	09/01/2022 19:54	WG1920311
1,2,3-Trichloropropane	U		0.00294	0.0227	1	09/01/2022 19:54	WG1920311
1,2,4-Trimethylbenzene	8.92		0.0287	0.0908	10	09/06/2022 14:31	WG1921830
1,2,3-Trimethylbenzene	1.10		0.00287	0.00908	1	09/01/2022 19:54	WG1920311
1,3,5-Trimethylbenzene	2.98		0.0363	0.0908	10	09/06/2022 14:31	WG1921830
Vinyl chloride	U		0.00211	0.00454	1	09/01/2022 19:54	WG1920311
Xylenes, Total	0.240		0.00160	0.0118	1	09/01/2022 19:54	WG1920311
(S) Toluene-d8	*72.9*	J2		*75.0-131*		*09/01/2022 19:54*	WG1920311
(S) Toluene-d8	*101*			*75.0-131*		*09/06/2022 14:31*	WG1921830
(S) 4-Bromofluorobenzene	*86.8*			*67.0-138*		*09/01/2022 19:54*	WG1920311
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/06/2022 14:31*	WG1921830
(S) 1,2-Dichloroethane-d4	*134*	J1		*70.0-130*		*09/01/2022 19:54*	WG1920311
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*09/06/2022 14:31*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	46.6		1.81	5.45	1	09/05/2022 21:20	WG1919957
Residual Range Organics (RRO)	6.68	J	4.54	13.6	1	09/05/2022 21:20	WG1919957
(S) o-Terphenyl	*59.3*			*18.0-148*		*09/05/2022 21:20*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00706	0.0273	1	08/31/2022 16:18	WG1918510
Dalapon	U		0.00432	0.0273	1	08/31/2022 16:18	WG1918510
2,4-DB	U		0.0124	0.0273	1	08/31/2022 16:18	WG1918510
Dicamba	U		0.00588	0.0273	1	08/31/2022 16:18	WG1918510
Dichloroprop	U		0.00454	0.0273	1	08/31/2022 16:18	WG1918510
Dinoseb	U		0.00271	0.0273	1	08/31/2022 16:18	WG1918510
MCPA	U		0.00466	0.0273	1	08/31/2022 16:18	WG1918510
MCPP	U		0.00319	0.0273	1	08/31/2022 16:18	WG1918510
2,4,5-T	U		0.00935	0.0273	1	08/31/2022 16:18	WG1918510
2,4,5-TP (Silvex)	U		0.00233	0.0273	1	08/31/2022 16:18	WG1918510
(S) 2,4-DB-D3	*117*			*70.0-130*		*08/31/2022 16:18*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00314	0.00818	1	09/12/2022 10:14	WG1924028
Acenaphthene	U	T8	0.00285	0.00818	1	09/12/2022 10:14	WG1924028
Acenaphthylene	U	T8	0.00295	0.00818	1	09/12/2022 10:14	WG1924028
Benzo(a)anthracene	U	T8	0.00236	0.00818	1	09/12/2022 10:14	WG1924028
Benzo(a)pyrene	U	T8	0.00244	0.00818	1	09/12/2022 10:14	WG1924028
Benzo(b)fluoranthene	U	T8	0.00209	0.00818	1	09/12/2022 10:14	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00241	0.00818	1	09/12/2022 10:14	WG1924028
Benzo(k)fluoranthene	U	T8	0.00293	0.00818	1	09/12/2022 10:14	WG1924028
Chrysene	U	T8	0.00316	0.00818	1	09/12/2022 10:14	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00235	0.00818	1	09/12/2022 10:14	WG1924028
Fluoranthene	U	T8	0.00310	0.00818	1	09/12/2022 10:14	WG1924028
Fluorene	U	T8	0.00280	0.00818	1	09/12/2022 10:14	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00247	0.00818	1	09/12/2022 10:14	WG1924028
Naphthalene	0.00869	J T8	0.00556	0.0273	1	09/12/2022 10:14	WG1924028
Phenanthrene	U	T8	0.00315	0.00818	1	09/12/2022 10:14	WG1924028
Pyrene	U	T8	0.00273	0.00818	1	09/12/2022 10:14	WG1924028
1-Methylnaphthalene	0.0705	T8	0.00612	0.0273	1	09/12/2022 10:14	WG1924028
2-Methylnaphthalene	0.205	T8	0.00582	0.0273	1	09/12/2022 10:14	WG1924028
2-Chloronaphthalene	U	T8	0.00635	0.0273	1	09/12/2022 10:14	WG1924028
(S) Nitrobenzene-d5	*56.9*			*14.0-149*		*09/12/2022 10:14*	WG1924028
(S) 2-Fluorobiphenyl	*54.8*			*34.0-125*		*09/12/2022 10:14*	WG1924028
(S) p-Terphenyl-d14	*53.2*			*23.0-120*		*09/12/2022 10:14*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	62.1	J	6.89	130	5	09/01/2022 00:51	WG1918943
Sulfate	167		16.9	65.6	1.01	09/04/2022 17:52	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.13		0.673	2.60	1	09/01/2022 12:09	WG1919010
Cadmium	0.515	J	0.0612	0.650	1	09/01/2022 12:09	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1590		56.9	168	1000	09/02/2022 12:37	WG1920388
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*77.0-120*		*09/02/2022 12:37*	WG1920388

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0615	0.0842	1	09/01/2022 20:13	WG1920311
Acrylonitrile	U		0.00608	0.0211	1	09/01/2022 20:13	WG1920311
Benzene	0.00559		0.000787	0.00168	1	09/01/2022 20:13	WG1920311
Bromobenzene	U		0.00152	0.0211	1	09/01/2022 20:13	WG1920311
Bromodichloromethane	U		0.00122	0.00421	1	09/01/2022 20:13	WG1920311
Bromoform	U		0.00197	0.0421	1	09/01/2022 20:13	WG1920311
Bromomethane	U		0.00332	0.0211	1	09/01/2022 20:13	WG1920311
n-Butylbenzene	2.73		0.00884	0.0211	1	09/01/2022 20:13	WG1920311
sec-Butylbenzene	0.889		0.00485	0.0211	1	09/01/2022 20:13	WG1920311
tert-Butylbenzene	U		0.00328	0.00842	1	09/01/2022 20:13	WG1920311
Carbon tetrachloride	U		0.00151	0.00842	1	09/01/2022 20:13	WG1920311
Chlorobenzene	U		0.000354	0.00421	1	09/01/2022 20:13	WG1920311
Chlorodibromomethane	U		0.00103	0.00421	1	09/01/2022 20:13	WG1920311
Chloroethane	U		0.00286	0.00842	1	09/01/2022 20:13	WG1920311
Chloroform	U		0.00173	0.00421	1	09/01/2022 20:13	WG1920311
Chloromethane	U	C3	0.00733	0.0211	1	09/01/2022 20:13	WG1920311
2-Chlorotoluene	U		0.00146	0.00421	1	09/01/2022 20:13	WG1920311
4-Chlorotoluene	U		0.000758	0.00842	1	09/01/2022 20:13	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00657	0.0421	1	09/01/2022 20:13	WG1920311
1,2-Dibromoethane	U		0.00109	0.00421	1	09/01/2022 20:13	WG1920311
Dibromomethane	U		0.00126	0.00842	1	09/01/2022 20:13	WG1920311
1,2-Dichlorobenzene	U		0.000716	0.00842	1	09/01/2022 20:13	WG1920311
1,3-Dichlorobenzene	U		0.00101	0.00842	1	09/01/2022 20:13	WG1920311
1,4-Dichlorobenzene	U		0.00118	0.00842	1	09/01/2022 20:13	WG1920311
Dichlorodifluoromethane	U		0.00271	0.00421	1	09/01/2022 20:13	WG1920311
1,1-Dichloroethane	U		0.000827	0.00421	1	09/01/2022 20:13	WG1920311
1,2-Dichloroethane	U		0.00109	0.00421	1	09/01/2022 20:13	WG1920311
1,1-Dichloroethene	U		0.00102	0.00421	1	09/01/2022 20:13	WG1920311
cis-1,2-Dichloroethene	U		0.00124	0.00421	1	09/01/2022 20:13	WG1920311
trans-1,2-Dichloroethene	U		0.00175	0.00842	1	09/01/2022 20:13	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00239	0.00842	1	09/01/2022 20:13	WG1920311
1,1-Dichloropropene	U		0.00136	0.00421	1	09/01/2022 20:13	WG1920311
1,3-Dichloropropane	U		0.000844	0.00842	1	09/01/2022 20:13	WG1920311
cis-1,3-Dichloropropene	U		0.00127	0.00421	1	09/01/2022 20:13	WG1920311
trans-1,3-Dichloropropene	U		0.00192	0.00842	1	09/01/2022 20:13	WG1920311
2,2-Dichloropropane	U		0.00232	0.00421	1	09/01/2022 20:13	WG1920311
Di-isopropyl ether	U		0.000691	0.00168	1	09/01/2022 20:13	WG1920311
Ethylbenzene	0.0451		0.00124	0.00421	1	09/01/2022 20:13	WG1920311
Hexachloro-1,3-butadiene	U		0.0101	0.0421	1	09/01/2022 20:13	WG1920311
Isopropylbenzene	0.497		0.000716	0.00421	1	09/01/2022 20:13	WG1920311
p-Isopropyltoluene	0.652		0.00429	0.00842	1	09/01/2022 20:13	WG1920311
2-Butanone (MEK)	U		0.107	0.168	1	09/01/2022 20:13	WG1920311
Methylene Chloride	U		0.0112	0.0421	1	09/01/2022 20:13	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00384	0.0421	1	09/01/2022 20:13	WG1920311
Methyl tert-butyl ether	U		0.000589	0.00168	1	09/01/2022 20:13	WG1920311
Naphthalene	0.515		0.00822	0.0211	1	09/01/2022 20:13	WG1920311
n-Propylbenzene	3.37		0.0320	0.168	20	09/06/2022 14:50	WG1921830
Styrene	U	C3	0.000386	0.0211	1	09/01/2022 20:13	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00160	0.00421	1	09/01/2022 20:13	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00117	0.00421	1	09/01/2022 20:13	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00421	1	09/01/2022 20:13	WG1920311
Tetrachloroethene	U		0.00151	0.00421	1	09/01/2022 20:13	WG1920311
Toluene	0.00591	J	0.00219	0.00842	1	09/01/2022 20:13	WG1920311
1,2,3-Trichlorobenzene	0.0450		0.0123	0.0211	1	09/01/2022 20:13	WG1920311
1,2,4-Trichlorobenzene	0.236		0.00741	0.0211	1	09/01/2022 20:13	WG1920311
1,1,1-Trichloroethane	U		0.00155	0.00421	1	09/01/2022 20:13	WG1920311
1,1,2-Trichloroethane	U		0.00101	0.00421	1	09/01/2022 20:13	WG1920311
Trichloroethene	U		0.000984	0.00168	1	09/01/2022 20:13	WG1920311
Trichlorofluoromethane	U		0.00139	0.00421	1	09/01/2022 20:13	WG1920311
1,2,3-Trichloropropane	U		0.00273	0.0211	1	09/01/2022 20:13	WG1920311
1,2,4-Trimethylbenzene	21.1		0.0532	0.168	20	09/06/2022 14:50	WG1921830
1,2,3-Trimethylbenzene	3.30		0.0532	0.168	20	09/06/2022 14:50	WG1921830
1,3,5-Trimethylbenzene	6.05		0.0674	0.168	20	09/06/2022 14:50	WG1921830
Vinyl chloride	U		0.00195	0.00421	1	09/01/2022 20:13	WG1920311
Xylenes, Total	0.593		0.00148	0.0109	1	09/01/2022 20:13	WG1920311
(S) Toluene-d8	*66.7*	J2		*75.0-131*		*09/01/2022 20:13*	WG1920311
(S) Toluene-d8	*99.5*			*75.0-131*		*09/06/2022 14:50*	WG1921830
(S) 4-Bromofluorobenzene	*80.4*			*67.0-138*		*09/01/2022 20:13*	WG1920311
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*09/06/2022 14:50*	WG1921830
(S) 1,2-Dichloroethane-d4	*144*	J1		*70.0-130*		*09/01/2022 20:13*	WG1920311
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*09/06/2022 14:50*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	86.1		1.73	5.20	1	09/05/2022 21:45	WG1919957
Residual Range Organics (RRO)	14.6		4.33	13.0	1	09/05/2022 21:45	WG1919957
(S) o-Terphenyl	*70.7*			*18.0-148*		*09/05/2022 21:45*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00673	0.0260	1	08/31/2022 16:35	WG1918510
Dalapon	U		0.00412	0.0260	1	08/31/2022 16:35	WG1918510
2,4-DB	U		0.0118	0.0260	1	08/31/2022 16:35	WG1918510
Dicamba	U		0.00560	0.0260	1	08/31/2022 16:35	WG1918510
Dichloroprop	U		0.00433	0.0260	1	08/31/2022 16:35	WG1918510
Dinoseb	U		0.00259	0.0260	1	08/31/2022 16:35	WG1918510
MCPA	U		0.00444	0.0260	1	08/31/2022 16:35	WG1918510
MCPP	U		0.00304	0.0260	1	08/31/2022 16:35	WG1918510
2,4,5-T	U		0.00891	0.0260	1	08/31/2022 16:35	WG1918510
2,4,5-TP (Silvex)	U		0.00222	0.0260	1	08/31/2022 16:35	WG1918510
(S) 2,4-DB-D3	*95.5*			*70.0-130*		*08/31/2022 16:35*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00299	0.00780	1	09/12/2022 10:32	WG1924028
Acenaphthene	U	T8	0.00272	0.00780	1	09/12/2022 10:32	WG1924028
Acenaphthylene	U	T8	0.00281	0.00780	1	09/12/2022 10:32	WG1924028
Benzo(a)anthracene	U	T8	0.00225	0.00780	1	09/12/2022 10:32	WG1924028
Benzo(a)pyrene	U	T8	0.00233	0.00780	1	09/12/2022 10:32	WG1924028
Benzo(b)fluoranthene	U	T8	0.00199	0.00780	1	09/12/2022 10:32	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00230	0.00780	1	09/12/2022 10:32	WG1924028
Benzo(k)fluoranthene	U	T8	0.00279	0.00780	1	09/12/2022 10:32	WG1924028
Chrysene	U	T8	0.00301	0.00780	1	09/12/2022 10:32	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00223	0.00780	1	09/12/2022 10:32	WG1924028
Fluoranthene	U	T8	0.00295	0.00780	1	09/12/2022 10:32	WG1924028
Fluorene	U	T8	0.00266	0.00780	1	09/12/2022 10:32	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00235	0.00780	1	09/12/2022 10:32	WG1924028
Naphthalene	0.0229	J T8	0.00530	0.0260	1	09/12/2022 10:32	WG1924028
Phenanthrene	U	T8	0.00300	0.00780	1	09/12/2022 10:32	WG1924028
Pyrene	U	T8	0.00260	0.00780	1	09/12/2022 10:32	WG1924028
1-Methylnaphthalene	0.120	T8	0.00583	0.0260	1	09/12/2022 10:32	WG1924028
2-Methylnaphthalene	0.362	T8	0.00555	0.0260	1	09/12/2022 10:32	WG1924028
2-Chloronaphthalene	U	T8	0.00605	0.0260	1	09/12/2022 10:32	WG1924028
(S) Nitrobenzene-d5	*76.9*			*14.0-149*		*09/12/2022 10:32*	WG1924028
(S) 2-Fluorobiphenyl	*47.6*			*34.0-125*		*09/12/2022 10:32*	WG1924028
(S) p-Terphenyl-d14	*56.8*			*23.0-120*		*09/12/2022 10:32*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.4		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	1650		14.8	280	10.4	09/01/2022 01:09	WG1918943
Sulfate	2750		86.7	336	5	09/04/2022 23:20	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.28		0.696	2.69	1	09/01/2022 12:12	WG1919010
Cadmium	0.717		0.0633	0.672	1	09/01/2022 12:12	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.45	4.29	25	09/05/2022 08:08	WG1921428
(S) a,a,a-Trifluorotoluene(FID)	*115*			*77.0-120*		*09/05/2022 08:08*	WG1921428

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0629	0.0861	1	09/01/2022 20:33	WG1920311
Acrylonitrile	U		0.00622	0.0215	1	09/01/2022 20:33	WG1920311
Benzene	0.0282		0.000804	0.00172	1	09/01/2022 20:33	WG1920311
Bromobenzene	U		0.00155	0.0215	1	09/01/2022 20:33	WG1920311
Bromodichloromethane	U		0.00125	0.00431	1	09/01/2022 20:33	WG1920311
Bromoform	U		0.00201	0.0431	1	09/01/2022 20:33	WG1920311
Bromomethane	U		0.00339	0.0215	1	09/01/2022 20:33	WG1920311
n-Butylbenzene	U		0.00904	0.0215	1	09/06/2022 12:57	WG1921830
sec-Butylbenzene	U		0.00496	0.0215	1	09/06/2022 12:57	WG1921830
tert-Butylbenzene	U		0.00336	0.00861	1	09/01/2022 20:33	WG1920311
Carbon tetrachloride	U		0.00155	0.00861	1	09/01/2022 20:33	WG1920311
Chlorobenzene	U		0.000362	0.00431	1	09/01/2022 20:33	WG1920311
Chlorodibromomethane	U		0.00105	0.00431	1	09/01/2022 20:33	WG1920311
Chloroethane	U		0.00293	0.00861	1	09/01/2022 20:33	WG1920311
Chloroform	U		0.00177	0.00431	1	09/01/2022 20:33	WG1920311
Chloromethane	U	C3	0.00749	0.0215	1	09/01/2022 20:33	WG1920311
2-Chlorotoluene	U		0.00149	0.00431	1	09/01/2022 20:33	WG1920311
4-Chlorotoluene	U		0.000775	0.00861	1	09/01/2022 20:33	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00672	0.0431	1	09/01/2022 20:33	WG1920311
1,2-Dibromoethane	U		0.00112	0.00431	1	09/01/2022 20:33	WG1920311
Dibromomethane	U		0.00129	0.00861	1	09/01/2022 20:33	WG1920311
1,2-Dichlorobenzene	U		0.000732	0.00861	1	09/01/2022 20:33	WG1920311
1,3-Dichlorobenzene	U		0.00103	0.00861	1	09/01/2022 20:33	WG1920311
1,4-Dichlorobenzene	U		0.00121	0.00861	1	09/01/2022 20:33	WG1920311
Dichlorodifluoromethane	U		0.00277	0.00431	1	09/01/2022 20:33	WG1920311
1,1-Dichloroethane	U		0.000846	0.00431	1	09/01/2022 20:33	WG1920311
1,2-Dichloroethane	U		0.00112	0.00431	1	09/01/2022 20:33	WG1920311
1,1-Dichloroethene	U		0.00104	0.00431	1	09/01/2022 20:33	WG1920311
cis-1,2-Dichloroethene	U		0.00126	0.00431	1	09/01/2022 20:33	WG1920311
trans-1,2-Dichloroethene	U		0.00179	0.00861	1	09/01/2022 20:33	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00245	0.00861	1	09/01/2022 20:33	WG1920311
1,1-Dichloropropene	U		0.00139	0.00431	1	09/01/2022 20:33	WG1920311
1,3-Dichloropropane	U		0.000863	0.00861	1	09/01/2022 20:33	WG1920311
cis-1,3-Dichloropropene	U		0.00130	0.00431	1	09/01/2022 20:33	WG1920311
trans-1,3-Dichloropropene	U		0.00196	0.00861	1	09/01/2022 20:33	WG1920311
2,2-Dichloropropane	U		0.00238	0.00431	1	09/01/2022 20:33	WG1920311
Di-isopropyl ether	U		0.000706	0.00172	1	09/01/2022 20:33	WG1920311
Ethylbenzene	U		0.00127	0.00431	1	09/01/2022 20:33	WG1920311
Hexachloro-1,3-butadiene	U		0.0103	0.0431	1	09/01/2022 20:33	WG1920311
Isopropylbenzene	0.00494		0.000732	0.00431	1	09/01/2022 20:33	WG1920311
p-Isopropyltoluene	U		0.00439	0.00861	1	09/06/2022 12:57	WG1921830
2-Butanone (MEK)	U		0.109	0.172	1	09/01/2022 20:33	WG1920311
Methylene Chloride	U		0.0114	0.0431	1	09/01/2022 20:33	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00393	0.0431	1	09/01/2022 20:33	WG1920311
Methyl tert-butyl ether	U		0.000603	0.00172	1	09/01/2022 20:33	WG1920311
Naphthalene	0.0115	J	0.00840	0.0215	1	09/06/2022 12:57	WG1921830
n-Propylbenzene	0.00176	J	0.00164	0.00861	1	09/06/2022 12:57	WG1921830
Styrene	U	C3	0.000394	0.0215	1	09/01/2022 20:33	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00163	0.00431	1	09/01/2022 20:33	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00120	0.00431	1	09/01/2022 20:33	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00431	1	09/01/2022 20:33	WG1920311
Tetrachloroethene	U		0.00154	0.00431	1	09/01/2022 20:33	WG1920311
Toluene	0.00224	J	0.00224	0.00861	1	09/01/2022 20:33	WG1920311
1,2,3-Trichlorobenzene	U		0.0126	0.0215	1	09/01/2022 20:33	WG1920311
1,2,4-Trichlorobenzene	U	C4	0.00758	0.0215	1	09/06/2022 12:57	WG1921830
1,1,1-Trichloroethane	U		0.00159	0.00431	1	09/01/2022 20:33	WG1920311
1,1,2-Trichloroethane	U		0.00103	0.00431	1	09/01/2022 20:33	WG1920311
Trichloroethene	U		0.00101	0.00172	1	09/01/2022 20:33	WG1920311
Trichlorofluoromethane	U		0.00142	0.00431	1	09/01/2022 20:33	WG1920311
1,2,3-Trichloropropane	U		0.00279	0.0215	1	09/01/2022 20:33	WG1920311
1,2,4-Trimethylbenzene	0.0487		0.00272	0.00861	1	09/06/2022 12:57	WG1921830
1,2,3-Trimethylbenzene	0.0250		0.00272	0.00861	1	09/06/2022 12:57	WG1921830
1,3,5-Trimethylbenzene	0.0195		0.00344	0.00861	1	09/06/2022 12:57	WG1921830
Vinyl chloride	U		0.00200	0.00431	1	09/01/2022 20:33	WG1920311
Xylenes, Total	0.0470	B	0.00152	0.0112	1	09/01/2022 20:33	WG1920311
(S) Toluene-d8	*95.5*			*75.0-131*		*09/01/2022 20:33*	WG1920311
(S) Toluene-d8	*99.4*			*75.0-131*		*09/06/2022 12:57*	WG1921830
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*09/01/2022 20:33*	WG1920311
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/06/2022 12:57*	WG1921830
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/01/2022 20:33*	WG1920311
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*09/06/2022 12:57*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.79	5.38	1	09/05/2022 21:33	WG1919957
Residual Range Organics (RRO)	U		4.48	13.4	1	09/05/2022 21:33	WG1919957
(S) o-Terphenyl	*67.9*			*18.0-148*		*09/05/2022 21:33*	WG1919957

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00696	0.0269	1	08/31/2022 16:53	WG1918510
Dalapon	U		0.00426	0.0269	1	08/31/2022 16:53	WG1918510
2,4-DB	U		0.0122	0.0269	1	08/31/2022 16:53	WG1918510
Dicamba	U		0.00579	0.0269	1	08/31/2022 16:53	WG1918510
Dichloroprop	U		0.00448	0.0269	1	08/31/2022 16:53	WG1918510
Dinoseb	U		0.00268	0.0269	1	08/31/2022 16:53	WG1918510
MCPA	U		0.00460	0.0269	1	08/31/2022 16:53	WG1918510
MCPP	U		0.00315	0.0269	1	08/31/2022 16:53	WG1918510
2,4,5-T	U		0.00922	0.0269	1	08/31/2022 16:53	WG1918510
2,4,5-TP (Silvex)	U		0.00230	0.0269	1	08/31/2022 16:53	WG1918510
(S) 2,4-DB-D3	*118*			*70.0-130*		*08/31/2022 16:53*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00309	0.00807	1	09/12/2022 10:50	WG1924028
Acenaphthene	U	T8	0.00281	0.00807	1	09/12/2022 10:50	WG1924028
Acenaphthylene	U	T8	0.00290	0.00807	1	09/12/2022 10:50	WG1924028
Benzo(a)anthracene	U	T8	0.00233	0.00807	1	09/12/2022 10:50	WG1924028
Benzo(a)pyrene	U	T8	0.00241	0.00807	1	09/12/2022 10:50	WG1924028
Benzo(b)fluoranthene	U	T8	0.00206	0.00807	1	09/12/2022 10:50	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00238	0.00807	1	09/12/2022 10:50	WG1924028
Benzo(k)fluoranthene	U	T8	0.00289	0.00807	1	09/12/2022 10:50	WG1924028
Chrysene	U	T8	0.00312	0.00807	1	09/12/2022 10:50	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00231	0.00807	1	09/12/2022 10:50	WG1924028
Fluoranthene	U	T8	0.00305	0.00807	1	09/12/2022 10:50	WG1924028
Fluorene	U	T8	0.00276	0.00807	1	09/12/2022 10:50	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00243	0.00807	1	09/12/2022 10:50	WG1924028
Naphthalene	U	T8	0.00548	0.0269	1	09/12/2022 10:50	WG1924028
Phenanthrene	U	T8	0.00311	0.00807	1	09/12/2022 10:50	WG1924028
Pyrene	U	T8	0.00269	0.00807	1	09/12/2022 10:50	WG1924028
1-Methylnaphthalene	U	T8	0.00604	0.0269	1	09/12/2022 10:50	WG1924028
2-Methylnaphthalene	U	T8	0.00574	0.0269	1	09/12/2022 10:50	WG1924028
2-Chloronaphthalene	U	T8	0.00626	0.0269	1	09/12/2022 10:50	WG1924028
(S) Nitrobenzene-d5	*84.1*			*14.0-149*		*09/12/2022 10:50*	WG1924028
(S) 2-Fluorobiphenyl	*87.0*			*34.0-125*		*09/12/2022 10:50*	WG1924028
(S) p-Terphenyl-d14	*88.9*			*23.0-120*		*09/12/2022 10:50*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.0		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	3.94	J	1.36	25.6	1	09/01/2022 01:27	WG1918943
Sulfate	184		16.5	64.1	1	09/04/2022 18:22	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.68		0.664	2.56	1	09/01/2022 12:20	WG1919010
Cadmium	0.273	J	0.0604	0.641	1	09/01/2022 12:20	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	172		1.39	4.09	25	08/31/2022 21:23	WG1919066
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*08/31/2022 21:23*	WG1919066

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0591	0.0809	1	09/01/2022 20:52	WG1920311
Acrylonitrile	U		0.00584	0.0202	1	09/01/2022 20:52	WG1920311
Benzene	0.707		0.000756	0.00162	1	09/01/2022 20:52	WG1920311
Bromobenzene	U		0.00146	0.0202	1	09/01/2022 20:52	WG1920311
Bromodichloromethane	U		0.00117	0.00405	1	09/01/2022 20:52	WG1920311
Bromoform	U		0.00189	0.0405	1	09/01/2022 20:52	WG1920311
Bromomethane	U		0.00319	0.0202	1	09/01/2022 20:52	WG1920311
n-Butylbenzene	1.54		0.00850	0.0202	1	09/01/2022 20:52	WG1920311
sec-Butylbenzene	0.452		0.00466	0.0202	1	09/01/2022 20:52	WG1920311
tert-Butylbenzene	U		0.00316	0.00809	1	09/01/2022 20:52	WG1920311
Carbon tetrachloride	U		0.00145	0.00809	1	09/01/2022 20:52	WG1920311
Chlorobenzene	U		0.000340	0.00405	1	09/01/2022 20:52	WG1920311
Chlorodibromomethane	U		0.000990	0.00405	1	09/01/2022 20:52	WG1920311
Chloroethane	U		0.00275	0.00809	1	09/01/2022 20:52	WG1920311
Chloroform	U		0.00167	0.00405	1	09/01/2022 20:52	WG1920311
Chloromethane	U	C3	0.00704	0.0202	1	09/01/2022 20:52	WG1920311
2-Chlorotoluene	U		0.00140	0.00405	1	09/01/2022 20:52	WG1920311
4-Chlorotoluene	U		0.000728	0.00809	1	09/01/2022 20:52	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00631	0.0405	1	09/01/2022 20:52	WG1920311
1,2-Dibromoethane	U		0.00105	0.00405	1	09/01/2022 20:52	WG1920311
Dibromomethane	U		0.00121	0.00809	1	09/01/2022 20:52	WG1920311
1,2-Dichlorobenzene	U		0.000688	0.00809	1	09/01/2022 20:52	WG1920311
1,3-Dichlorobenzene	U		0.000971	0.00809	1	09/01/2022 20:52	WG1920311
1,4-Dichlorobenzene	U		0.00113	0.00809	1	09/01/2022 20:52	WG1920311
Dichlorodifluoromethane	U		0.00261	0.00405	1	09/01/2022 20:52	WG1920311
1,1-Dichloroethane	U		0.000795	0.00405	1	09/01/2022 20:52	WG1920311
1,2-Dichloroethane	U		0.00105	0.00405	1	09/01/2022 20:52	WG1920311
1,1-Dichloroethene	U		0.000981	0.00405	1	09/01/2022 20:52	WG1920311
cis-1,2-Dichloroethene	U		0.00119	0.00405	1	09/01/2022 20:52	WG1920311
trans-1,2-Dichloroethene	U		0.00168	0.00809	1	09/01/2022 20:52	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00230	0.00809	1	09/01/2022 20:52	WG1920311
1,1-Dichloropropene	U		0.00131	0.00405	1	09/01/2022 20:52	WG1920311
1,3-Dichloropropane	U		0.000811	0.00809	1	09/01/2022 20:52	WG1920311
cis-1,3-Dichloropropene	U		0.00123	0.00405	1	09/01/2022 20:52	WG1920311
trans-1,3-Dichloropropene	U		0.00184	0.00809	1	09/01/2022 20:52	WG1920311
2,2-Dichloropropane	U		0.00223	0.00405	1	09/01/2022 20:52	WG1920311
Di-isopropyl ether	U		0.000664	0.00162	1	09/01/2022 20:52	WG1920311
Ethylbenzene	U		0.00119	0.00405	1	09/01/2022 20:52	WG1920311
Hexachloro-1,3-butadiene	U		0.00971	0.0405	1	09/01/2022 20:52	WG1920311
Isopropylbenzene	0.827		0.000688	0.00405	1	09/01/2022 20:52	WG1920311
p-Isopropyltoluene	0.330		0.00413	0.00809	1	09/01/2022 20:52	WG1920311
2-Butanone (MEK)	U		0.103	0.162	1	09/01/2022 20:52	WG1920311
Methylene Chloride	U		0.0107	0.0405	1	09/01/2022 20:52	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00369	0.0405	1	09/01/2022 20:52	WG1920311
Methyl tert-butyl ether	U		0.000566	0.00162	1	09/01/2022 20:52	WG1920311
Naphthalene	4.11		0.0790	0.202	10	09/06/2022 15:09	WG1921830
n-Propylbenzene	1.54		0.00154	0.00809	1	09/01/2022 20:52	WG1920311
Styrene	U	C3	0.000371	0.0202	1	09/01/2022 20:52	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00153	0.00405	1	09/01/2022 20:52	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00112	0.00405	1	09/01/2022 20:52	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00405	1	09/01/2022 20:52	WG1920311
Tetrachloroethene	0.0262		0.00145	0.00405	1	09/01/2022 20:52	WG1920311
Toluene	U		0.00210	0.00809	1	09/01/2022 20:52	WG1920311
1,2,3-Trichlorobenzene	U		0.0119	0.0202	1	09/01/2022 20:52	WG1920311
1,2,4-Trichlorobenzene	U		0.00712	0.0202	1	09/01/2022 20:52	WG1920311
1,1,1-Trichloroethane	U		0.00149	0.00405	1	09/01/2022 20:52	WG1920311
1,1,2-Trichloroethane	U		0.000966	0.00405	1	09/01/2022 20:52	WG1920311
Trichloroethene	U		0.000945	0.00162	1	09/01/2022 20:52	WG1920311
Trichlorofluoromethane	U		0.00134	0.00405	1	09/01/2022 20:52	WG1920311
1,2,3-Trichloropropane	U		0.00262	0.0202	1	09/01/2022 20:52	WG1920311
1,2,4-Trimethylbenzene	4.39		0.0256	0.0809	10	09/06/2022 15:09	WG1921830
1,2,3-Trimethylbenzene	4.26		0.0256	0.0809	10	09/06/2022 15:09	WG1921830
1,3,5-Trimethylbenzene	1.29		0.00324	0.00809	1	09/01/2022 20:52	WG1920311
Vinyl chloride	U		0.00188	0.00405	1	09/01/2022 20:52	WG1920311
Xylenes, Total	2.04		0.00142	0.0105	1	09/01/2022 20:52	WG1920311
(S) Toluene-d8	*77.9*			*75.0-131*		*09/01/2022 20:52*	WG1920311
(S) Toluene-d8	*99.3*			*75.0-131*		*09/06/2022 15:09*	WG1921830
(S) 4-Bromofluorobenzene	*80.0*			*67.0-138*		*09/01/2022 20:52*	WG1920311
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/06/2022 15:09*	WG1921830
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/01/2022 20:52*	WG1920311
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*09/06/2022 15:09*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	18.2		1.71	5.13	1	09/02/2022 18:53	WG1919961
Residual Range Organics (RRO)	U		4.27	12.8	1	09/02/2022 18:53	WG1919961
(S) o-Terphenyl	*47.6*			*18.0-148*		*09/02/2022 18:53*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00685	0.0264	1.03	08/31/2022 17:11	WG1918510
Dalapon	U		0.00419	0.0264	1.03	08/31/2022 17:11	WG1918510
2,4-DB	U		0.0120	0.0264	1.03	08/31/2022 17:11	WG1918510
Dicamba	U		0.00568	0.0264	1.03	08/31/2022 17:11	WG1918510
Dichloroprop	U		0.00440	0.0264	1.03	08/31/2022 17:11	WG1918510
Dinoseb	U		0.00263	0.0264	1.03	08/31/2022 17:11	WG1918510
MCPA	U		0.00451	0.0264	1.03	08/31/2022 17:11	WG1918510
MCPP	U		0.00309	0.0264	1.03	08/31/2022 17:11	WG1918510
2,4,5-T	U		0.00906	0.0264	1.03	08/31/2022 17:11	WG1918510
2,4,5-TP (Silvex)	U		0.00226	0.0264	1.03	08/31/2022 17:11	WG1918510
(S) 2,4-DB-D3	*116*			*70.0-130*		*08/31/2022 17:11*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00295	0.00769	1	09/12/2022 11:08	WG1924028
Acenaphthene	U	T8	0.00268	0.00769	1	09/12/2022 11:08	WG1924028
Acenaphthylene	U	T8	0.00277	0.00769	1	09/12/2022 11:08	WG1924028
Benzo(a)anthracene	U	T8	0.00222	0.00769	1	09/12/2022 11:08	WG1924028
Benzo(a)pyrene	U	T8	0.00229	0.00769	1	09/12/2022 11:08	WG1924028
Benzo(b)fluoranthene	U	T8	0.00196	0.00769	1	09/12/2022 11:08	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00227	0.00769	1	09/12/2022 11:08	WG1924028
Benzo(k)fluoranthene	U	T8	0.00276	0.00769	1	09/12/2022 11:08	WG1924028
Chrysene	U	T8	0.00297	0.00769	1	09/12/2022 11:08	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00221	0.00769	1	09/12/2022 11:08	WG1924028
Fluoranthene	U	T8	0.00291	0.00769	1	09/12/2022 11:08	WG1924028
Fluorene	U	T8	0.00263	0.00769	1	09/12/2022 11:08	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00232	0.00769	1	09/12/2022 11:08	WG1924028
Naphthalene	0.0819	T8	0.00523	0.0256	1	09/12/2022 11:08	WG1924028
Phenanthrene	U	T8	0.00296	0.00769	1	09/12/2022 11:08	WG1924028
Pyrene	U	T8	0.00256	0.00769	1	09/12/2022 11:08	WG1924028
1-Methylnaphthalene	0.0837	T8	0.00576	0.0256	1	09/12/2022 11:08	WG1924028
2-Methylnaphthalene	0.116	T8	0.00547	0.0256	1	09/12/2022 11:08	WG1924028
2-Chloronaphthalene	U	T8	0.00597	0.0256	1	09/12/2022 11:08	WG1924028
(S) Nitrobenzene-d5	*84.4*			*14.0-149*		*09/12/2022 11:08*	WG1924028
(S) 2-Fluorobiphenyl	*71.6*			*34.0-125*		*09/12/2022 11:08*	WG1924028
(S) p-Terphenyl-d14	*77.5*			*23.0-120*		*09/12/2022 11:08*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	1010		12.0	227	10.5	09/01/2022 01:45	WG1918943
Sulfate	2960	J3 V	69.6	270	5	09/04/2022 23:35	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.87		0.559	2.16	1	09/01/2022 12:23	WG1919010
Cadmium	3.24		0.0508	0.539	1	09/01/2022 12:23	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	6.82		0.999	2.95	25.5	08/31/2022 21:43	WG1919066
(S) a,a,a-Trifluorotoluene(FID)	*88.1*			*77.0-120*		*08/31/2022 21:43*	WG1919066

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0427	0.0585	1	09/01/2022 21:12	WG1920311
Acrylonitrile	U		0.00422	0.0146	1	09/01/2022 21:12	WG1920311
Benzene	0.0243		0.000546	0.00117	1	09/01/2022 21:12	WG1920311
Bromobenzene	U		0.00105	0.0146	1	09/01/2022 21:12	WG1920311
Bromodichloromethane	U		0.000848	0.00292	1	09/01/2022 21:12	WG1920311
Bromoform	U		0.00137	0.0292	1	09/01/2022 21:12	WG1920311
Bromomethane	U		0.00230	0.0146	1	09/01/2022 21:12	WG1920311
n-Butylbenzene	0.0382		0.00614	0.0146	1	09/06/2022 13:16	WG1921830
sec-Butylbenzene	0.00623	J	0.00337	0.0146	1	09/06/2022 13:16	WG1921830
tert-Butylbenzene	U		0.00228	0.00585	1	09/01/2022 21:12	WG1920311
Carbon tetrachloride	U		0.00105	0.00585	1	09/01/2022 21:12	WG1920311
Chlorobenzene	U		0.000246	0.00292	1	09/01/2022 21:12	WG1920311
Chlorodibromomethane	U		0.000716	0.00292	1	09/01/2022 21:12	WG1920311
Chloroethane	U		0.00199	0.00585	1	09/01/2022 21:12	WG1920311
Chloroform	U		0.00120	0.00292	1	09/01/2022 21:12	WG1920311
Chloromethane	U	C3	0.00509	0.0146	1	09/01/2022 21:12	WG1920311
2-Chlorotoluene	U		0.00101	0.00292	1	09/01/2022 21:12	WG1920311
4-Chlorotoluene	U		0.000526	0.00585	1	09/01/2022 21:12	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00456	0.0292	1	09/01/2022 21:12	WG1920311
1,2-Dibromoethane	U		0.000758	0.00292	1	09/01/2022 21:12	WG1920311
Dibromomethane	U		0.000877	0.00585	1	09/01/2022 21:12	WG1920311
1,2-Dichlorobenzene	U		0.000497	0.00585	1	09/01/2022 21:12	WG1920311
1,3-Dichlorobenzene	U		0.000702	0.00585	1	09/01/2022 21:12	WG1920311
1,4-Dichlorobenzene	U		0.000819	0.00585	1	09/01/2022 21:12	WG1920311
Dichlorodifluoromethane	U		0.00188	0.00292	1	09/01/2022 21:12	WG1920311
1,1-Dichloroethane	U		0.000574	0.00292	1	09/01/2022 21:12	WG1920311
1,2-Dichloroethane	U		0.000759	0.00292	1	09/01/2022 21:12	WG1920311
1,1-Dichloroethene	U		0.000709	0.00292	1	09/01/2022 21:12	WG1920311
cis-1,2-Dichloroethene	U		0.000858	0.00292	1	09/01/2022 21:12	WG1920311
trans-1,2-Dichloroethene	U		0.00122	0.00585	1	09/01/2022 21:12	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00166	0.00585	1	09/01/2022 21:12	WG1920311
1,1-Dichloropropene	U		0.000946	0.00292	1	09/01/2022 21:12	WG1920311
1,3-Dichloropropane	U		0.000586	0.00585	1	09/01/2022 21:12	WG1920311
cis-1,3-Dichloropropene	U		0.000885	0.00292	1	09/01/2022 21:12	WG1920311
trans-1,3-Dichloropropene	U		0.00133	0.00585	1	09/01/2022 21:12	WG1920311
2,2-Dichloropropane	U		0.00161	0.00292	1	09/01/2022 21:12	WG1920311
Di-isopropyl ether	U		0.000480	0.00117	1	09/01/2022 21:12	WG1920311
Ethylbenzene	0.00119	J	0.000862	0.00292	1	09/01/2022 21:12	WG1920311
Hexachloro-1,3-butadiene	U		0.00702	0.0292	1	09/01/2022 21:12	WG1920311
Isopropylbenzene	0.0254		0.000497	0.00292	1	09/01/2022 21:12	WG1920311
p-Isopropyltoluene	0.0149		0.00298	0.00585	1	09/06/2022 13:16	WG1921830
2-Butanone (MEK)	U		0.0743	0.117	1	09/01/2022 21:12	WG1920311
Methylene Chloride	U		0.00777	0.0292	1	09/01/2022 21:12	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0292	1	09/01/2022 21:12	WG1920311
Methyl tert-butyl ether	U		0.000409	0.00117	1	09/01/2022 21:12	WG1920311
Naphthalene	0.0505		0.00571	0.0146	1	09/06/2022 13:16	WG1921830
n-Propylbenzene	0.0129		0.00111	0.00585	1	09/06/2022 13:16	WG1921830
Styrene	U	C3	0.000268	0.0146	1	09/01/2022 21:12	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00111	0.00292	1	09/01/2022 21:12	WG1920311
1,1,2,2-Tetrachloroethane	U		0.000813	0.00292	1	09/01/2022 21:12	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.000882	0.00292	1	09/01/2022 21:12	WG1920311
Tetrachloroethene	U		0.00105	0.00292	1	09/01/2022 21:12	WG1920311
Toluene	0.00219	J	0.00152	0.00585	1	09/01/2022 21:12	WG1920311
1,2,3-Trichlorobenzene	U		0.00857	0.0146	1	09/01/2022 21:12	WG1920311
1,2,4-Trichlorobenzene	U		0.00515	0.0146	1	09/01/2022 21:12	WG1920311
1,1,1-Trichloroethane	U		0.00108	0.00292	1	09/01/2022 21:12	WG1920311
1,1,2-Trichloroethane	U		0.000698	0.00292	1	09/01/2022 21:12	WG1920311
Trichloroethene	U		0.000683	0.00117	1	09/01/2022 21:12	WG1920311
Trichlorofluoromethane	U		0.000967	0.00292	1	09/01/2022 21:12	WG1920311
1,2,3-Trichloropropane	U		0.00189	0.0146	1	09/01/2022 21:12	WG1920311
1,2,4-Trimethylbenzene	0.296		0.00185	0.00585	1	09/06/2022 13:16	WG1921830
1,2,3-Trimethylbenzene	0.0913		0.00185	0.00585	1	09/06/2022 13:16	WG1921830
1,3,5-Trimethylbenzene	0.0634		0.00234	0.00585	1	09/06/2022 13:16	WG1921830
Vinyl chloride	U		0.00136	0.00292	1	09/01/2022 21:12	WG1920311
Xylenes, Total	0.263		0.00103	0.00760	1	09/01/2022 21:12	WG1920311
(S) Toluene-d8	*96.3*			*75.0-131*		*09/01/2022 21:12*	WG1920311
(S) Toluene-d8	*98.3*			*75.0-131*		*09/06/2022 13:16*	WG1921830
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/01/2022 21:12*	WG1920311
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/06/2022 13:16*	WG1921830
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/01/2022 21:12*	WG1920311
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*09/06/2022 13:16*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	794		7.19	21.6	5	09/02/2022 21:43	WG1919961
Residual Range Organics (RRO)	435		18.0	53.9	5	09/02/2022 21:43	WG1919961
(S) o-Terphenyl	*86.0*			*18.0-148*		*09/02/2022 21:43*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00559	0.0216	1	08/31/2022 17:29	WG1918510
Dalapon	U		0.00342	0.0216	1	08/31/2022 17:29	WG1918510
2,4-DB	U		0.00979	0.0216	1	08/31/2022 17:29	WG1918510
Dicamba	U		0.00465	0.0216	1	08/31/2022 17:29	WG1918510
Dichloroprop	U		0.00359	0.0216	1	08/31/2022 17:29	WG1918510
Dinoseb	U		0.00215	0.0216	1	08/31/2022 17:29	WG1918510
MCPA	U		0.00369	0.0216	1	08/31/2022 17:29	WG1918510
MCPP	U		0.00252	0.0216	1	08/31/2022 17:29	WG1918510
2,4,5-T	U		0.00740	0.0216	1	08/31/2022 17:29	WG1918510
2,4,5-TP (Silvex)	U		0.00184	0.0216	1	08/31/2022 17:29	WG1918510
(S) 2,4-DB-D3	*93.7*			*70.0-130*		*08/31/2022 17:29*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00248	0.00647	1	09/12/2022 15:19	WG1924028
Acenaphthene	U	T8	0.00225	0.00647	1	09/12/2022 15:19	WG1924028
Acenaphthylene	U	T8	0.00233	0.00647	1	09/12/2022 15:19	WG1924028
Benzo(a)anthracene	U	T8	0.00187	0.00647	1	09/12/2022 15:19	WG1924028
Benzo(a)pyrene	U	T8	0.00193	0.00647	1	09/12/2022 15:19	WG1924028
Benzo(b)fluoranthene	0.00283	J T8	0.00165	0.00647	1	09/12/2022 15:19	WG1924028
Benzo(g,h,i)perylene	0.00262	J T8	0.00191	0.00647	1	09/12/2022 15:19	WG1924028
Benzo(k)fluoranthene	U	T8	0.00232	0.00647	1	09/12/2022 15:19	WG1924028
Chrysene	U	T8	0.00250	0.00647	1	09/12/2022 15:19	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00186	0.00647	1	09/12/2022 15:19	WG1924028
Fluoranthene	U	T8	0.00245	0.00647	1	09/12/2022 15:19	WG1924028
Fluorene	U	T8	0.00221	0.00647	1	09/12/2022 15:19	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00195	0.00647	1	09/12/2022 15:19	WG1924028
Naphthalene	0.0343	T8	0.00440	0.0216	1	09/12/2022 15:19	WG1924028
Phenanthrene	U	T8	0.00249	0.00647	1	09/12/2022 15:19	WG1924028
Pyrene	U	T8	0.00216	0.00647	1	09/12/2022 15:19	WG1924028
1-Methylnaphthalene	0.0105	J T8	0.00484	0.0216	1	09/12/2022 15:19	WG1924028
2-Methylnaphthalene	0.0248	T8	0.00461	0.0216	1	09/12/2022 15:19	WG1924028
2-Chloronaphthalene	U	T8	0.00503	0.0216	1	09/12/2022 15:19	WG1924028
(S) Nitrobenzene-d5	*85.2*			*14.0-149*		*09/12/2022 15:19*	WG1924028
(S) 2-Fluorobiphenyl	*87.5*			*34.0-125*		*09/12/2022 15:19*	WG1924028
(S) p-Terphenyl-d14	*88.0*			*23.0-120*		*09/12/2022 15:19*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	79.1	J	6.92	131	5	09/01/2022 02:03	WG1918943
Sulfate	376		17.0	65.9	1.01	09/04/2022 20:06	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.1		0.676	2.61	1	09/01/2022 12:25	WG1919010
Cadmium	0.240	J	0.0615	0.653	1	09/01/2022 12:25	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	716		14.2	41.7	250	09/02/2022 11:56	WG1920388
(S) a,a,a-Trifluorotoluene(FID)	*89.0*			*77.0-120*		*09/02/2022 11:56*	WG1920388

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0611	0.0837	1	09/01/2022 21:31	WG1920311
Acrylonitrile	U		0.00604	0.0209	1	09/01/2022 21:31	WG1920311
Benzene	1.39		0.000782	0.00167	1	09/01/2022 21:31	WG1920311
Bromobenzene	U		0.00151	0.0209	1	09/01/2022 21:31	WG1920311
Bromodichloromethane	U		0.00121	0.00419	1	09/01/2022 21:31	WG1920311
Bromoform	U		0.00196	0.0419	1	09/01/2022 21:31	WG1920311
Bromomethane	U		0.00330	0.0209	1	09/01/2022 21:31	WG1920311
n-Butylbenzene	1.93		0.00879	0.0209	1	09/01/2022 21:31	WG1920311
sec-Butylbenzene	0.921		0.00482	0.0209	1	09/01/2022 21:31	WG1920311
tert-Butylbenzene	U		0.00326	0.00837	1	09/01/2022 21:31	WG1920311
Carbon tetrachloride	U		0.00150	0.00837	1	09/01/2022 21:31	WG1920311
Chlorobenzene	U		0.000352	0.00419	1	09/01/2022 21:31	WG1920311
Chlorodibromomethane	U		0.00102	0.00419	1	09/01/2022 21:31	WG1920311
Chloroethane	U		0.00285	0.00837	1	09/01/2022 21:31	WG1920311
Chloroform	U		0.00172	0.00419	1	09/01/2022 21:31	WG1920311
Chloromethane	U	C3	0.00728	0.0209	1	09/01/2022 21:31	WG1920311
2-Chlorotoluene	U		0.00145	0.00419	1	09/01/2022 21:31	WG1920311
4-Chlorotoluene	U		0.000753	0.00837	1	09/01/2022 21:31	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00653	0.0419	1	09/01/2022 21:31	WG1920311
1,2-Dibromoethane	U		0.00108	0.00419	1	09/01/2022 21:31	WG1920311
Dibromomethane	U		0.00126	0.00837	1	09/01/2022 21:31	WG1920311
1,2-Dichlorobenzene	U		0.000711	0.00837	1	09/01/2022 21:31	WG1920311
1,3-Dichlorobenzene	U		0.00100	0.00837	1	09/01/2022 21:31	WG1920311
1,4-Dichlorobenzene	U		0.00117	0.00837	1	09/01/2022 21:31	WG1920311
Dichlorodifluoromethane	U		0.00270	0.00419	1	09/01/2022 21:31	WG1920311
1,1-Dichloroethane	U		0.000822	0.00419	1	09/01/2022 21:31	WG1920311
1,2-Dichloroethane	U		0.00109	0.00419	1	09/01/2022 21:31	WG1920311
1,1-Dichloroethene	U		0.00101	0.00419	1	09/01/2022 21:31	WG1920311
cis-1,2-Dichloroethene	U		0.00123	0.00419	1	09/01/2022 21:31	WG1920311
trans-1,2-Dichloroethene	U		0.00174	0.00837	1	09/01/2022 21:31	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00238	0.00837	1	09/01/2022 21:31	WG1920311
1,1-Dichloropropene	U		0.00135	0.00419	1	09/01/2022 21:31	WG1920311
1,3-Dichloropropane	U		0.000839	0.00837	1	09/01/2022 21:31	WG1920311
cis-1,3-Dichloropropene	U		0.00127	0.00419	1	09/01/2022 21:31	WG1920311
trans-1,3-Dichloropropene	U		0.00191	0.00837	1	09/01/2022 21:31	WG1920311
2,2-Dichloropropane	U		0.00231	0.00419	1	09/01/2022 21:31	WG1920311
Di-isopropyl ether	U		0.000686	0.00167	1	09/01/2022 21:31	WG1920311
Ethylbenzene	0.00149	J	0.00123	0.00419	1	09/01/2022 21:31	WG1920311
Hexachloro-1,3-butadiene	U		0.0100	0.0419	1	09/01/2022 21:31	WG1920311
Isopropylbenzene	1.27		0.000711	0.00419	1	09/01/2022 21:31	WG1920311
p-Isopropyltoluene	0.629		0.00427	0.00837	1	09/01/2022 21:31	WG1920311
2-Butanone (MEK)	U		0.106	0.167	1	09/01/2022 21:31	WG1920311
Methylene Chloride	U		0.0111	0.0419	1	09/01/2022 21:31	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00382	0.0419	1	09/01/2022 21:31	WG1920311
Methyl tert-butyl ether	U		0.000586	0.00167	1	09/01/2022 21:31	WG1920311
Naphthalene	3.50		0.163	0.419	20	09/06/2022 15:27	WG1921830
n-Propylbenzene	0.546		0.00159	0.00837	1	09/01/2022 21:31	WG1920311
Styrene	U	C3	0.000383	0.0209	1	09/01/2022 21:31	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00159	0.00419	1	09/01/2022 21:31	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00116	0.00419	1	09/01/2022 21:31	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00126	0.00419	1	09/01/2022 21:31	WG1920311
Tetrachloroethene	U		0.00150	0.00419	1	09/01/2022 21:31	WG1920311
Toluene	U		0.00218	0.00837	1	09/01/2022 21:31	WG1920311
1,2,3-Trichlorobenzene	U		0.0123	0.0209	1	09/01/2022 21:31	WG1920311
1,2,4-Trichlorobenzene	U		0.00737	0.0209	1	09/01/2022 21:31	WG1920311
1,1,1-Trichloroethane	U		0.00155	0.00419	1	09/01/2022 21:31	WG1920311
1,1,2-Trichloroethane	U		0.000999	0.00419	1	09/01/2022 21:31	WG1920311
Trichloroethene	U		0.000978	0.00167	1	09/01/2022 21:31	WG1920311
Trichlorofluoromethane	U		0.00138	0.00419	1	09/01/2022 21:31	WG1920311
1,2,3-Trichloropropane	U		0.00271	0.0209	1	09/01/2022 21:31	WG1920311
1,2,4-Trimethylbenzene	14.4		0.0529	0.167	20	09/06/2022 15:27	WG1921830
1,2,3-Trimethylbenzene	5.69		0.0529	0.167	20	09/06/2022 15:27	WG1921830
1,3,5-Trimethylbenzene	2.85		0.0670	0.167	20	09/06/2022 15:27	WG1921830
Vinyl chloride	U		0.00194	0.00419	1	09/01/2022 21:31	WG1920311
Xylenes, Total	9.01		0.00147	0.0109	1	09/01/2022 21:31	WG1920311
(S) Toluene-d8	*92.8*			*75.0-131*		*09/01/2022 21:31*	WG1920311
(S) Toluene-d8	*97.9*			*75.0-131*		*09/06/2022 15:27*	WG1921830
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/01/2022 21:31*	WG1920311
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/06/2022 15:27*	WG1921830
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/01/2022 21:31*	WG1920311
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*09/06/2022 15:27*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	9.18		1.74	5.22	1	09/02/2022 19:06	WG1919961
Residual Range Organics (RRO)	U		4.35	13.1	1	09/02/2022 19:06	WG1919961
(S) o-Terphenyl	*36.1*			*18.0-148*		*09/02/2022 19:06*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00704	0.0271	1.04	08/31/2022 17:47	WG1918510
Dalapon	U		0.00431	0.0271	1.04	08/31/2022 17:47	WG1918510
2,4-DB	U		0.0123	0.0271	1.04	08/31/2022 17:47	WG1918510
Dicamba	U		0.00585	0.0271	1.04	08/31/2022 17:47	WG1918510
Dichloroprop	U		0.00453	0.0271	1.04	08/31/2022 17:47	WG1918510
Dinoseb	U		0.00270	0.0271	1.04	08/31/2022 17:47	WG1918510
MCPA	U		0.00463	0.0271	1.04	08/31/2022 17:47	WG1918510
MCPP	U		0.00318	0.0271	1.04	08/31/2022 17:47	WG1918510
2,4,5-T	U		0.00932	0.0271	1.04	08/31/2022 17:47	WG1918510
2,4,5-TP (Silvex)	U		0.00232	0.0271	1.04	08/31/2022 17:47	WG1918510
(S) 2,4-DB-D3	*108*			*70.0-130*		*08/31/2022 17:47*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00300	0.00783	1	09/12/2022 11:25	WG1924028
Acenaphthene	U	T8	0.00273	0.00783	1	09/12/2022 11:25	WG1924028
Acenaphthylene	U	T8	0.00282	0.00783	1	09/12/2022 11:25	WG1924028
Benzo(a)anthracene	U	T8	0.00226	0.00783	1	09/12/2022 11:25	WG1924028
Benzo(a)pyrene	U	T8	0.00234	0.00783	1	09/12/2022 11:25	WG1924028
Benzo(b)fluoranthene	U	T8	0.00200	0.00783	1	09/12/2022 11:25	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00231	0.00783	1	09/12/2022 11:25	WG1924028
Benzo(k)fluoranthene	U	T8	0.00281	0.00783	1	09/12/2022 11:25	WG1924028
Chrysene	U	T8	0.00303	0.00783	1	09/12/2022 11:25	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00225	0.00783	1	09/12/2022 11:25	WG1924028
Fluoranthene	U	T8	0.00296	0.00783	1	09/12/2022 11:25	WG1924028
Fluorene	U	T8	0.00268	0.00783	1	09/12/2022 11:25	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00236	0.00783	1	09/12/2022 11:25	WG1924028
Naphthalene	0.0835	T8	0.00533	0.0261	1	09/12/2022 11:25	WG1924028
Phenanthrene	U	T8	0.00302	0.00783	1	09/12/2022 11:25	WG1924028
Pyrene	U	T8	0.00261	0.00783	1	09/12/2022 11:25	WG1924028
1-Methylnaphthalene	0.0525	T8	0.00586	0.0261	1	09/12/2022 11:25	WG1924028
2-Methylnaphthalene	0.116	T8	0.00557	0.0261	1	09/12/2022 11:25	WG1924028
2-Chloronaphthalene	U	T8	0.00608	0.0261	1	09/12/2022 11:25	WG1924028
(S) Nitrobenzene-d5	*95.6*			*14.0-149*		*09/12/2022 11:25*	WG1924028
(S) 2-Fluorobiphenyl	*101*			*34.0-125*		*09/12/2022 11:25*	WG1924028
(S) p-Terphenyl-d14	*103*			*23.0-120*		*09/12/2022 11:25*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.9		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	3.56	J	1.36	25.7	1	09/01/2022 02:39	WG1918943
Sulfate	397		16.6	64.2	1	09/04/2022 20:21	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.77		0.665	2.57	1	09/01/2022 12:28	WG1919010
Cadmium	0.194	J	0.0605	0.642	1	09/01/2022 12:28	WG1919010

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	953		55.5	164	1000	09/02/2022 12:58	WG1920388
(S) a,a,a-Trifluorotoluene(FID)	*84.0*			*77.0-120*		*09/02/2022 12:58*	WG1920388

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0593	0.0812	1	09/01/2022 21:51	WG1920311
Acrylonitrile	U		0.00586	0.0203	1	09/01/2022 21:51	WG1920311
Benzene	0.0318		0.000758	0.00162	1	09/01/2022 21:51	WG1920311
Bromobenzene	U		0.00146	0.0203	1	09/01/2022 21:51	WG1920311
Bromodichloromethane	U		0.00118	0.00406	1	09/01/2022 21:51	WG1920311
Bromoform	U		0.00190	0.0406	1	09/01/2022 21:51	WG1920311
Bromomethane	U		0.00320	0.0203	1	09/01/2022 21:51	WG1920311
n-Butylbenzene	1.47		0.00852	0.0203	1	09/01/2022 21:51	WG1920311
sec-Butylbenzene	0.773		0.00468	0.0203	1	09/01/2022 21:51	WG1920311
tert-Butylbenzene	U		0.00317	0.00812	1	09/01/2022 21:51	WG1920311
Carbon tetrachloride	U		0.00146	0.00812	1	09/01/2022 21:51	WG1920311
Chlorobenzene	U		0.000341	0.00406	1	09/01/2022 21:51	WG1920311
Chlorodibromomethane	U		0.000994	0.00406	1	09/01/2022 21:51	WG1920311
Chloroethane	U		0.00276	0.00812	1	09/01/2022 21:51	WG1920311
Chloroform	U		0.00167	0.00406	1	09/01/2022 21:51	WG1920311
Chloromethane	U	C3	0.00706	0.0203	1	09/01/2022 21:51	WG1920311
2-Chlorotoluene	U		0.00140	0.00406	1	09/01/2022 21:51	WG1920311
4-Chlorotoluene	U		0.000731	0.00812	1	09/01/2022 21:51	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00633	0.0406	1	09/01/2022 21:51	WG1920311
1,2-Dibromoethane	U		0.00105	0.00406	1	09/01/2022 21:51	WG1920311
Dibromomethane	U		0.00122	0.00812	1	09/01/2022 21:51	WG1920311
1,2-Dichlorobenzene	U		0.000690	0.00812	1	09/01/2022 21:51	WG1920311
1,3-Dichlorobenzene	U		0.000974	0.00812	1	09/01/2022 21:51	WG1920311
1,4-Dichlorobenzene	U		0.00114	0.00812	1	09/01/2022 21:51	WG1920311
Dichlorodifluoromethane	U		0.00261	0.00406	1	09/01/2022 21:51	WG1920311
1,1-Dichloroethane	U		0.000797	0.00406	1	09/01/2022 21:51	WG1920311
1,2-Dichloroethane	U		0.00105	0.00406	1	09/01/2022 21:51	WG1920311
1,1-Dichloroethene	U		0.000984	0.00406	1	09/01/2022 21:51	WG1920311
cis-1,2-Dichloroethene	U		0.00119	0.00406	1	09/01/2022 21:51	WG1920311
trans-1,2-Dichloroethene	U		0.00169	0.00812	1	09/01/2022 21:51	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00231	0.00812	1	09/01/2022 21:51	WG1920311
1,1-Dichloropropene	U		0.00131	0.00406	1	09/01/2022 21:51	WG1920311
1,3-Dichloropropane	U		0.000813	0.00812	1	09/01/2022 21:51	WG1920311
cis-1,3-Dichloropropene	U		0.00123	0.00406	1	09/01/2022 21:51	WG1920311
trans-1,3-Dichloropropene	U		0.00185	0.00812	1	09/01/2022 21:51	WG1920311
2,2-Dichloropropane	U		0.00224	0.00406	1	09/01/2022 21:51	WG1920311
Di-isopropyl ether	U		0.000666	0.00162	1	09/01/2022 21:51	WG1920311
Ethylbenzene	U		0.00120	0.00406	1	09/01/2022 21:51	WG1920311
Hexachloro-1,3-butadiene	U		0.00974	0.0406	1	09/01/2022 21:51	WG1920311
Isopropylbenzene	1.00		0.000690	0.00406	1	09/01/2022 21:51	WG1920311
p-Isopropyltoluene	0.502		0.00414	0.00812	1	09/01/2022 21:51	WG1920311
2-Butanone (MEK)	U		0.103	0.162	1	09/01/2022 21:51	WG1920311
Methylene Chloride	U		0.0108	0.0406	1	09/01/2022 21:51	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00370	0.0406	1	09/01/2022 21:51	WG1920311
Methyl tert-butyl ether	U		0.000568	0.00162	1	09/01/2022 21:51	WG1920311
Naphthalene	2.94		0.317	0.812	40	09/06/2022 15:46	WG1921830
n-Propylbenzene	2.11		0.00154	0.00812	1	09/01/2022 21:51	WG1920311
Styrene	U	C3	0.000372	0.0203	1	09/01/2022 21:51	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00154	0.00406	1	09/01/2022 21:51	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1	09/01/2022 21:51	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00406	1	09/01/2022 21:51	WG1920311
Tetrachloroethene	0.00658		0.00145	0.00406	1	09/01/2022 21:51	WG1920311
Toluene	0.00539	J	0.00211	0.00812	1	09/01/2022 21:51	WG1920311
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	09/01/2022 21:51	WG1920311
1,2,4-Trichlorobenzene	U		0.00714	0.0203	1	09/01/2022 21:51	WG1920311
1,1,1-Trichloroethane	U		0.00150	0.00406	1	09/01/2022 21:51	WG1920311
1,1,2-Trichloroethane	U		0.000969	0.00406	1	09/01/2022 21:51	WG1920311
Trichloroethene	U		0.000948	0.00162	1	09/01/2022 21:51	WG1920311
Trichlorofluoromethane	U		0.00134	0.00406	1	09/01/2022 21:51	WG1920311
1,2,3-Trichloropropane	U		0.00263	0.0203	1	09/01/2022 21:51	WG1920311
1,2,4-Trimethylbenzene	18.0		0.103	0.325	40	09/06/2022 15:46	WG1921830
1,2,3-Trimethylbenzene	4.81		0.103	0.325	40	09/06/2022 15:46	WG1921830
1,3,5-Trimethylbenzene	4.90		0.130	0.325	40	09/06/2022 15:46	WG1921830
Vinyl chloride	U		0.00188	0.00406	1	09/01/2022 21:51	WG1920311
Xylenes, Total	6.01		0.00143	0.0106	1	09/01/2022 21:51	WG1920311
(S) Toluene-d8	*92.3*			*75.0-131*		*09/01/2022 21:51*	WG1920311
(S) Toluene-d8	*102*			*75.0-131*		*09/06/2022 15:46*	WG1921830
(S) 4-Bromofluorobenzene	*81.5*			*67.0-138*		*09/01/2022 21:51*	WG1920311
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/06/2022 15:46*	WG1921830
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/01/2022 21:51*	WG1920311
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/06/2022 15:46*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	30.9		1.71	5.14	1	09/02/2022 19:19	WG1919961
Residual Range Organics (RRO)	U		4.28	12.8	1	09/02/2022 19:19	WG1919961
(S) o-Terphenyl	*53.8*			*18.0-148*		*09/02/2022 19:19*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00665	0.0257	1	08/31/2022 18:05	WG1918510
Dalapon	U		0.00407	0.0257	1	08/31/2022 18:05	WG1918510
2,4-DB	U		0.0117	0.0257	1	08/31/2022 18:05	WG1918510
Dicamba	U		0.00553	0.0257	1	08/31/2022 18:05	WG1918510
Dichloroprop	U		0.00428	0.0257	1	08/31/2022 18:05	WG1918510
Dinoseb	U		0.00256	0.0257	1	08/31/2022 18:05	WG1918510
MCPA	U		0.00439	0.0257	1	08/31/2022 18:05	WG1918510
MCPP	U		0.00300	0.0257	1	08/31/2022 18:05	WG1918510
2,4,5-T	U		0.00881	0.0257	1	08/31/2022 18:05	WG1918510
2,4,5-TP (Silvex)	U		0.00220	0.0257	1	08/31/2022 18:05	WG1918510
(S) 2,4-DB-D3	*113*			*70.0-130*		*08/31/2022 18:05*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00295	0.00770	1	09/12/2022 11:43	WG1924028
Acenaphthene	U	T8	0.00268	0.00770	1	09/12/2022 11:43	WG1924028
Acenaphthylene	U	T8	0.00277	0.00770	1	09/12/2022 11:43	WG1924028
Benzo(a)anthracene	U	T8	0.00222	0.00770	1	09/12/2022 11:43	WG1924028
Benzo(a)pyrene	U	T8	0.00230	0.00770	1	09/12/2022 11:43	WG1924028
Benzo(b)fluoranthene	U	T8	0.00196	0.00770	1	09/12/2022 11:43	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00227	0.00770	1	09/12/2022 11:43	WG1924028
Benzo(k)fluoranthene	U	T8	0.00276	0.00770	1	09/12/2022 11:43	WG1924028
Chrysene	U	T8	0.00298	0.00770	1	09/12/2022 11:43	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00221	0.00770	1	09/12/2022 11:43	WG1924028
Fluoranthene	U	T8	0.00291	0.00770	1	09/12/2022 11:43	WG1924028
Fluorene	U	T8	0.00263	0.00770	1	09/12/2022 11:43	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00232	0.00770	1	09/12/2022 11:43	WG1924028
Naphthalene	0.120	T8	0.00524	0.0257	1	09/12/2022 11:43	WG1924028
Phenanthrene	U	T8	0.00297	0.00770	1	09/12/2022 11:43	WG1924028
Pyrene	U	T8	0.00257	0.00770	1	09/12/2022 11:43	WG1924028
1-Methylnaphthalene	0.0538	T8	0.00577	0.0257	1	09/12/2022 11:43	WG1924028
2-Methylnaphthalene	0.122	T8	0.00548	0.0257	1	09/12/2022 11:43	WG1924028
2-Chloronaphthalene	U	T8	0.00598	0.0257	1	09/12/2022 11:43	WG1924028
(S) Nitrobenzene-d5	*96.4*			*14.0-149*		*09/12/2022 11:43*	WG1924028
(S) 2-Fluorobiphenyl	*101*			*34.0-125*		*09/12/2022 11:43*	WG1924028
(S) p-Terphenyl-d14	*103*			*23.0-120*		*09/12/2022 11:43*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.2		1	08/31/2022 09:14	WG1918840

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	66.5		1.37	25.9	1	09/01/2022 02:56	WG1918943
Sulfate	2580		84.3	327	5.05	09/05/2022 00:05	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.89		0.671	2.59	1	09/02/2022 13:20	WG1920328
Cadmium	0.156	J	0.0610	0.647	1	09/02/2022 13:20	WG1920328

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.40	4.14	25	09/03/2022 00:43	WG1920405
(S) a,a,a-Trifluorotoluene(FID)	*116*			*77.0-120*		*09/03/2022 00:43*	WG1920405

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0594	0.0813	1	09/01/2022 22:10	WG1920311
Acrylonitrile	U		0.00587	0.0203	1	09/01/2022 22:10	WG1920311
Benzene	0.0441		0.000760	0.00163	1	09/01/2022 22:10	WG1920311
Bromobenzene	U		0.00146	0.0203	1	09/01/2022 22:10	WG1920311
Bromodichloromethane	U		0.00118	0.00407	1	09/01/2022 22:10	WG1920311
Bromoform	U		0.00190	0.0407	1	09/01/2022 22:10	WG1920311
Bromomethane	U		0.00321	0.0203	1	09/01/2022 22:10	WG1920311
n-Butylbenzene	U		0.00854	0.0203	1	09/06/2022 13:35	WG1921830
sec-Butylbenzene	0.00529	J	0.00469	0.0203	1	09/06/2022 13:35	WG1921830
tert-Butylbenzene	U		0.00317	0.00813	1	09/01/2022 22:10	WG1920311
Carbon tetrachloride	U		0.00146	0.00813	1	09/01/2022 22:10	WG1920311
Chlorobenzene	U		0.000342	0.00407	1	09/01/2022 22:10	WG1920311
Chlorodibromomethane	U		0.000996	0.00407	1	09/01/2022 22:10	WG1920311
Chloroethane	U		0.00277	0.00813	1	09/01/2022 22:10	WG1920311
Chloroform	U		0.00168	0.00407	1	09/01/2022 22:10	WG1920311
Chloromethane	U	C3	0.00708	0.0203	1	09/01/2022 22:10	WG1920311
2-Chlorotoluene	U		0.00141	0.00407	1	09/01/2022 22:10	WG1920311
4-Chlorotoluene	U		0.000732	0.00813	1	09/01/2022 22:10	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00635	0.0407	1	09/01/2022 22:10	WG1920311
1,2-Dibromoethane	U		0.00105	0.00407	1	09/01/2022 22:10	WG1920311
Dibromomethane	U		0.00122	0.00813	1	09/01/2022 22:10	WG1920311
1,2-Dichlorobenzene	U		0.000691	0.00813	1	09/01/2022 22:10	WG1920311
1,3-Dichlorobenzene	U		0.000976	0.00813	1	09/01/2022 22:10	WG1920311
1,4-Dichlorobenzene	U		0.00114	0.00813	1	09/01/2022 22:10	WG1920311
Dichlorodifluoromethane	U		0.00262	0.00407	1	09/01/2022 22:10	WG1920311
1,1-Dichloroethane	U		0.000799	0.00407	1	09/01/2022 22:10	WG1920311
1,2-Dichloroethane	U		0.00106	0.00407	1	09/01/2022 22:10	WG1920311
1,1-Dichloroethene	U		0.000986	0.00407	1	09/01/2022 22:10	WG1920311
cis-1,2-Dichloroethene	U		0.00119	0.00407	1	09/01/2022 22:10	WG1920311
trans-1,2-Dichloroethene	U		0.00169	0.00813	1	09/01/2022 22:10	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00231	0.00813	1	09/01/2022 22:10	WG1920311
1,1-Dichloropropene	U		0.00132	0.00407	1	09/01/2022 22:10	WG1920311
1,3-Dichloropropane	U		0.000815	0.00813	1	09/01/2022 22:10	WG1920311
cis-1,3-Dichloropropene	U		0.00123	0.00407	1	09/01/2022 22:10	WG1920311
trans-1,3-Dichloropropene	U		0.00185	0.00813	1	09/01/2022 22:10	WG1920311
2,2-Dichloropropane	U		0.00225	0.00407	1	09/01/2022 22:10	WG1920311
Di-isopropyl ether	U		0.000667	0.00163	1	09/01/2022 22:10	WG1920311
Ethylbenzene	U		0.00120	0.00407	1	09/01/2022 22:10	WG1920311
Hexachloro-1,3-butadiene	U		0.00976	0.0407	1	09/01/2022 22:10	WG1920311
Isopropylbenzene	0.00322	J	0.000691	0.00407	1	09/06/2022 13:35	WG1921830
p-Isopropyltoluene	U		0.00415	0.00813	1	09/06/2022 13:35	WG1921830
2-Butanone (MEK)	U		0.103	0.163	1	09/01/2022 22:10	WG1920311
Methylene Chloride	U		0.0108	0.0407	1	09/01/2022 22:10	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00371	0.0407	1	09/01/2022 22:10	WG1920311
Methyl tert-butyl ether	U		0.000569	0.00163	1	09/01/2022 22:10	WG1920311
Naphthalene	0.0148	J	0.00794	0.0203	1	09/06/2022 13:35	WG1921830
n-Propylbenzene	0.00358	J	0.00155	0.00813	1	09/06/2022 13:35	WG1921830
Styrene	U	C3	0.000373	0.0203	1	09/01/2022 22:10	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00154	0.00407	1	09/01/2022 22:10	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00113	0.00407	1	09/01/2022 22:10	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00407	1	09/01/2022 22:10	WG1920311
Tetrachloroethene	0.00343	J	0.00146	0.00407	1	09/01/2022 22:10	WG1920311
Toluene	0.00395	J	0.00212	0.00813	1	09/01/2022 22:10	WG1920311
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	09/01/2022 22:10	WG1920311
1,2,4-Trichlorobenzene	U		0.00716	0.0203	1	09/01/2022 22:10	WG1920311
1,1,1-Trichloroethane	U		0.00150	0.00407	1	09/01/2022 22:10	WG1920311
1,1,2-Trichloroethane	U		0.000971	0.00407	1	09/01/2022 22:10	WG1920311
Trichloroethene	U		0.000950	0.00163	1	09/01/2022 22:10	WG1920311
Trichlorofluoromethane	U		0.00135	0.00407	1	09/01/2022 22:10	WG1920311
1,2,3-Trichloropropane	U		0.00264	0.0203	1	09/01/2022 22:10	WG1920311
1,2,4-Trimethylbenzene	0.0456		0.00257	0.00813	1	09/06/2022 13:35	WG1921830
1,2,3-Trimethylbenzene	0.0145		0.00257	0.00813	1	09/06/2022 13:35	WG1921830
1,3,5-Trimethylbenzene	0.0110		0.00325	0.00813	1	09/06/2022 13:35	WG1921830
Vinyl chloride	U		0.00189	0.00407	1	09/01/2022 22:10	WG1920311
Xylenes, Total	0.0425	B	0.00143	0.0106	1	09/01/2022 22:10	WG1920311
(S) Toluene-d8	*95.2*			*75.0-131*		*09/01/2022 22:10*	WG1920311
(S) Toluene-d8	*101*			*75.0-131*		*09/06/2022 13:35*	WG1921830
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*09/01/2022 22:10*	WG1920311
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/06/2022 13:35*	WG1921830
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*09/01/2022 22:10*	WG1920311
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*09/06/2022 13:35*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.72	5.18	1	09/02/2022 19:32	WG1919961
Residual Range Organics (RRO)	U		4.31	12.9	1	09/02/2022 19:32	WG1919961
(S) o-Terphenyl	*51.7*			*18.0-148*		*09/02/2022 19:32*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00691	0.0267	1.03	08/31/2022 18:23	WG1918510
Dalapon	U		0.00423	0.0267	1.03	08/31/2022 18:23	WG1918510
2,4-DB	U		0.0121	0.0267	1.03	08/31/2022 18:23	WG1918510
Dicamba	U		0.00574	0.0267	1.03	08/31/2022 18:23	WG1918510
Dichloroprop	U		0.00444	0.0267	1.03	08/31/2022 18:23	WG1918510
Dinoseb	U		0.00265	0.0267	1.03	08/31/2022 18:23	WG1918510
MCPA	U		0.00456	0.0267	1.03	08/31/2022 18:23	WG1918510
MCPP	U		0.00312	0.0267	1.03	08/31/2022 18:23	WG1918510
2,4,5-T	U		0.00916	0.0267	1.03	08/31/2022 18:23	WG1918510
2,4,5-TP (Silvex)	U		0.00228	0.0267	1.03	08/31/2022 18:23	WG1918510
(S) 2,4-DB-D3	*109*			*70.0-130*		*08/31/2022 18:23*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00298	0.00777	1	09/12/2022 12:01	WG1924028
Acenaphthene	U	T8	0.00271	0.00777	1	09/12/2022 12:01	WG1924028
Acenaphthylene	U	T8	0.00280	0.00777	1	09/12/2022 12:01	WG1924028
Benzo(a)anthracene	U	T8	0.00224	0.00777	1	09/12/2022 12:01	WG1924028
Benzo(a)pyrene	U	T8	0.00232	0.00777	1	09/12/2022 12:01	WG1924028
Benzo(b)fluoranthene	U	T8	0.00198	0.00777	1	09/12/2022 12:01	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00229	0.00777	1	09/12/2022 12:01	WG1924028
Benzo(k)fluoranthene	U	T8	0.00278	0.00777	1	09/12/2022 12:01	WG1924028
Chrysene	U	T8	0.00300	0.00777	1	09/12/2022 12:01	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00223	0.00777	1	09/12/2022 12:01	WG1924028
Fluoranthene	U	T8	0.00294	0.00777	1	09/12/2022 12:01	WG1924028
Fluorene	U	T8	0.00265	0.00777	1	09/12/2022 12:01	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00234	0.00777	1	09/12/2022 12:01	WG1924028
Naphthalene	U	T8	0.00528	0.0259	1	09/12/2022 12:01	WG1924028
Phenanthrene	U	T8	0.00299	0.00777	1	09/12/2022 12:01	WG1924028
Pyrene	U	T8	0.00259	0.00777	1	09/12/2022 12:01	WG1924028
1-Methylnaphthalene	U	T8	0.00581	0.0259	1	09/12/2022 12:01	WG1924028
2-Methylnaphthalene	U	T8	0.00553	0.0259	1	09/12/2022 12:01	WG1924028
2-Chloronaphthalene	U	T8	0.00603	0.0259	1	09/12/2022 12:01	WG1924028
(S) Nitrobenzene-d5	*82.5*			*14.0-149*		*09/12/2022 12:01*	WG1924028
(S) 2-Fluorobiphenyl	*87.3*			*34.0-125*		*09/12/2022 12:01*	WG1924028
(S) p-Terphenyl-d14	*83.3*			*23.0-120*		*09/12/2022 12:01*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.1		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.39	26.3	1	09/01/2022 03:14	WG1918943
Sulfate	65.6	J	16.9	65.7	1	09/04/2022 20:51	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.54		0.680	2.63	1	09/06/2022 14:55	WG1918900
Cadmium	0.138	J	0.0619	0.657	1	09/06/2022 14:55	WG1918900

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	799		28.9	85.5	500	09/03/2022 21:14	WG1921089
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*09/03/2022 21:14*	WG1921089

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0624	0.0855	1	09/01/2022 22:30	WG1920311
Acrylonitrile	U		0.00617	0.0214	1	09/01/2022 22:30	WG1920311
Benzene	0.261		0.000798	0.00171	1	09/01/2022 22:30	WG1920311
Bromobenzene	U		0.00154	0.0214	1	09/01/2022 22:30	WG1920311
Bromodichloromethane	U		0.00124	0.00427	1	09/01/2022 22:30	WG1920311
Bromoform	U		0.00200	0.0427	1	09/01/2022 22:30	WG1920311
Bromomethane	U		0.00337	0.0214	1	09/01/2022 22:30	WG1920311
n-Butylbenzene	4.27		0.359	0.855	40	09/06/2022 16:05	WG1921830
sec-Butylbenzene	1.90		0.00492	0.0214	1	09/01/2022 22:30	WG1920311
tert-Butylbenzene	U		0.00333	0.00855	1	09/01/2022 22:30	WG1920311
Carbon tetrachloride	U		0.00153	0.00855	1	09/01/2022 22:30	WG1920311
Chlorobenzene	U		0.000359	0.00427	1	09/01/2022 22:30	WG1920311
Chlorodibromomethane	U		0.00105	0.00427	1	09/01/2022 22:30	WG1920311
Chloroethane	U		0.00291	0.00855	1	09/01/2022 22:30	WG1920311
Chloroform	U		0.00176	0.00427	1	09/01/2022 22:30	WG1920311
Chloromethane	U	C3	0.00743	0.0214	1	09/01/2022 22:30	WG1920311
2-Chlorotoluene	U		0.00148	0.00427	1	09/01/2022 22:30	WG1920311
4-Chlorotoluene	U		0.000769	0.00855	1	09/01/2022 22:30	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00667	0.0427	1	09/01/2022 22:30	WG1920311
1,2-Dibromoethane	U		0.00111	0.00427	1	09/01/2022 22:30	WG1920311
Dibromomethane	U		0.00128	0.00855	1	09/01/2022 22:30	WG1920311
1,2-Dichlorobenzene	U		0.000726	0.00855	1	09/01/2022 22:30	WG1920311
1,3-Dichlorobenzene	U		0.00103	0.00855	1	09/01/2022 22:30	WG1920311
1,4-Dichlorobenzene	U		0.00120	0.00855	1	09/01/2022 22:30	WG1920311
Dichlorodifluoromethane	U		0.00275	0.00427	1	09/01/2022 22:30	WG1920311
1,1-Dichloroethane	U		0.000839	0.00427	1	09/01/2022 22:30	WG1920311
1,2-Dichloroethane	U		0.00111	0.00427	1	09/01/2022 22:30	WG1920311
1,1-Dichloroethene	U		0.00104	0.00427	1	09/01/2022 22:30	WG1920311
cis-1,2-Dichloroethene	U		0.00125	0.00427	1	09/01/2022 22:30	WG1920311
trans-1,2-Dichloroethene	U		0.00178	0.00855	1	09/01/2022 22:30	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00243	0.00855	1	09/01/2022 22:30	WG1920311
1,1-Dichloropropene	U		0.00138	0.00427	1	09/01/2022 22:30	WG1920311
1,3-Dichloropropane	U		0.000856	0.00855	1	09/01/2022 22:30	WG1920311
cis-1,3-Dichloropropene	U		0.00129	0.00427	1	09/01/2022 22:30	WG1920311
trans-1,3-Dichloropropene	U		0.00195	0.00855	1	09/01/2022 22:30	WG1920311
2,2-Dichloropropane	U		0.00236	0.00427	1	09/01/2022 22:30	WG1920311
Di-isopropyl ether	U		0.000701	0.00171	1	09/01/2022 22:30	WG1920311
Ethylbenzene	U		0.00126	0.00427	1	09/01/2022 22:30	WG1920311
Hexachloro-1,3-butadiene	U		0.0103	0.0427	1	09/01/2022 22:30	WG1920311
Isopropylbenzene	2.50		0.000726	0.00427	1	09/01/2022 22:30	WG1920311
p-Isopropyltoluene	1.29		0.00436	0.00855	1	09/01/2022 22:30	WG1920311
2-Butanone (MEK)	U		0.109	0.171	1	09/01/2022 22:30	WG1920311
Methylene Chloride	U		0.0113	0.0427	1	09/01/2022 22:30	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00390	0.0427	1	09/01/2022 22:30	WG1920311
Methyl tert-butyl ether	U		0.000598	0.00171	1	09/01/2022 22:30	WG1920311
Naphthalene	6.20		0.333	0.855	40	09/06/2022 16:05	WG1921830
n-Propylbenzene	2.19		0.00162	0.00855	1	09/01/2022 22:30	WG1920311
Styrene	U	C3	0.000391	0.0214	1	09/01/2022 22:30	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00162	0.00427	1	09/01/2022 22:30	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00119	0.00427	1	09/01/2022 22:30	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00427	1	09/01/2022 22:30	WG1920311
Tetrachloroethene	0.00651		0.00153	0.00427	1	09/01/2022 22:30	WG1920311
Toluene	U		0.00222	0.00855	1	09/01/2022 22:30	WG1920311
1,2,3-Trichlorobenzene	U		0.0125	0.0214	1	09/01/2022 22:30	WG1920311
1,2,4-Trichlorobenzene	U		0.00752	0.0214	1	09/01/2022 22:30	WG1920311
1,1,1-Trichloroethane	U		0.00158	0.00427	1	09/01/2022 22:30	WG1920311
1,1,2-Trichloroethane	U		0.00102	0.00427	1	09/01/2022 22:30	WG1920311
Trichloroethene	U		0.000998	0.00171	1	09/01/2022 22:30	WG1920311
Trichlorofluoromethane	U		0.00141	0.00427	1	09/01/2022 22:30	WG1920311
1,2,3-Trichloropropane	U		0.00277	0.0214	1	09/01/2022 22:30	WG1920311
1,2,4-Trimethylbenzene	23.6		0.108	0.342	40	09/06/2022 16:05	WG1921830
1,2,3-Trimethylbenzene	12.2		0.108	0.342	40	09/06/2022 16:05	WG1921830
1,3,5-Trimethylbenzene	9.09		0.137	0.342	40	09/06/2022 16:05	WG1921830
Vinyl chloride	U		0.00198	0.00427	1	09/01/2022 22:30	WG1920311
Xylenes, Total	5.57		0.00150	0.0111	1	09/01/2022 22:30	WG1920311
(S) Toluene-d8	*70.0*	J2		*75.0-131*		*09/01/2022 22:30*	WG1920311
(S) Toluene-d8	*103*			*75.0-131*		*09/06/2022 16:05*	WG1921830
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*09/01/2022 22:30*	WG1920311
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/06/2022 16:05*	WG1921830
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/01/2022 22:30*	WG1920311
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*09/06/2022 16:05*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	45.7		1.75	5.25	1	09/02/2022 19:45	WG1919961
Residual Range Organics (RRO)	U		4.37	13.1	1	09/02/2022 19:45	WG1919961
(S) o-Terphenyl	*52.8*			*18.0-148*		*09/02/2022 19:45*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00680	0.0263	1	08/31/2022 18:41	WG1918510
Dalapon	U		0.00416	0.0263	1	08/31/2022 18:41	WG1918510
2,4-DB	U		0.0119	0.0263	1	08/31/2022 18:41	WG1918510
Dicamba	U		0.00566	0.0263	1	08/31/2022 18:41	WG1918510
Dichloroprop	U		0.00437	0.0263	1	08/31/2022 18:41	WG1918510
Dinoseb	U		0.00261	0.0263	1	08/31/2022 18:41	WG1918510
MCPA	U		0.00449	0.0263	1	08/31/2022 18:41	WG1918510
MCPP	U		0.00307	0.0263	1	08/31/2022 18:41	WG1918510
2,4,5-T	U		0.00901	0.0263	1	08/31/2022 18:41	WG1918510
2,4,5-TP (Silvex)	U		0.00225	0.0263	1	08/31/2022 18:41	WG1918510
(S) 2,4-DB-D3	*107*			*70.0-130*		*08/31/2022 18:41*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00302	0.00788	1	09/12/2022 12:19	WG1924028
Acenaphthene	0.00352	J T8	0.00274	0.00788	1	09/12/2022 12:19	WG1924028
Acenaphthylene	U	T8	0.00284	0.00788	1	09/12/2022 12:19	WG1924028
Benzo(a)anthracene	U	T8	0.00227	0.00788	1	09/12/2022 12:19	WG1924028
Benzo(a)pyrene	U	T8	0.00235	0.00788	1	09/12/2022 12:19	WG1924028
Benzo(b)fluoranthene	U	T8	0.00201	0.00788	1	09/12/2022 12:19	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00232	0.00788	1	09/12/2022 12:19	WG1924028
Benzo(k)fluoranthene	U	T8	0.00282	0.00788	1	09/12/2022 12:19	WG1924028
Chrysene	U	T8	0.00305	0.00788	1	09/12/2022 12:19	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00226	0.00788	1	09/12/2022 12:19	WG1924028
Fluoranthene	U	T8	0.00298	0.00788	1	09/12/2022 12:19	WG1924028
Fluorene	0.00303	J T8	0.00269	0.00788	1	09/12/2022 12:19	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00238	0.00788	1	09/12/2022 12:19	WG1924028
Naphthalene	0.742	T8	0.00536	0.0263	1	09/12/2022 12:19	WG1924028
Phenanthrene	0.00615	J T8	0.00303	0.00788	1	09/12/2022 12:19	WG1924028
Pyrene	U	T8	0.00263	0.00788	1	09/12/2022 12:19	WG1924028
1-Methylnaphthalene	0.370	T8	0.00590	0.0263	1	09/12/2022 12:19	WG1924028
2-Methylnaphthalene	0.829	T8	0.00561	0.0263	1	09/12/2022 12:19	WG1924028
2-Chloronaphthalene	U	T8	0.00612	0.0263	1	09/12/2022 12:19	WG1924028
(S) Nitrobenzene-d5	*60.9*			*14.0-149*		*09/12/2022 12:19*	WG1924028
(S) 2-Fluorobiphenyl	*79.0*			*34.0-125*		*09/12/2022 12:19*	WG1924028
(S) p-Terphenyl-d14	*78.3*			*23.0-120*		*09/12/2022 12:19*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	265		7.12	134	5.1	09/01/2022 03:32	WG1918943
Sulfate	534		17.0	65.8	1	09/04/2022 21:06	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.78		0.682	2.63	1	09/06/2022 14:58	WG1918900
Cadmium	0.160	J	0.0620	0.658	1	09/06/2022 14:58	WG1918900

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1540		28.1	83.1	500	09/03/2022 21:34	WG1921089
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*09/03/2022 21:34*	WG1921089

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0626	0.0857	1	09/01/2022 22:49	WG1920311
Acrylonitrile	U		0.00619	0.0214	1	09/01/2022 22:49	WG1920311
Benzene	0.904		0.000801	0.00171	1	09/01/2022 22:49	WG1920311
Bromobenzene	U		0.00154	0.0214	1	09/01/2022 22:49	WG1920311
Bromodichloromethane	U		0.00124	0.00429	1	09/01/2022 22:49	WG1920311
Bromoform	U		0.00201	0.0429	1	09/01/2022 22:49	WG1920311
Bromomethane	U		0.00338	0.0214	1	09/01/2022 22:49	WG1920311
n-Butylbenzene	1.97		0.00900	0.0214	1	09/01/2022 22:49	WG1920311
sec-Butylbenzene	0.976		0.00494	0.0214	1	09/01/2022 22:49	WG1920311
tert-Butylbenzene	U		0.00334	0.00857	1	09/01/2022 22:49	WG1920311
Carbon tetrachloride	U		0.00154	0.00857	1	09/01/2022 22:49	WG1920311
Chlorobenzene	U		0.000360	0.00429	1	09/01/2022 22:49	WG1920311
Chlorodibromomethane	U		0.00105	0.00429	1	09/01/2022 22:49	WG1920311
Chloroethane	U		0.00292	0.00857	1	09/01/2022 22:49	WG1920311
Chloroform	U		0.00177	0.00429	1	09/01/2022 22:49	WG1920311
Chloromethane	U	C3	0.00746	0.0214	1	09/01/2022 22:49	WG1920311
2-Chlorotoluene	U		0.00148	0.00429	1	09/01/2022 22:49	WG1920311
4-Chlorotoluene	U		0.000772	0.00857	1	09/01/2022 22:49	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00669	0.0429	1	09/01/2022 22:49	WG1920311
1,2-Dibromoethane	U		0.00111	0.00429	1	09/01/2022 22:49	WG1920311
Dibromomethane	U		0.00129	0.00857	1	09/01/2022 22:49	WG1920311
1,2-Dichlorobenzene	U		0.000729	0.00857	1	09/01/2022 22:49	WG1920311
1,3-Dichlorobenzene	U		0.00103	0.00857	1	09/01/2022 22:49	WG1920311
1,4-Dichlorobenzene	U		0.00120	0.00857	1	09/01/2022 22:49	WG1920311
Dichlorodifluoromethane	U		0.00276	0.00429	1	09/01/2022 22:49	WG1920311
1,1-Dichloroethane	U		0.000842	0.00429	1	09/01/2022 22:49	WG1920311
1,2-Dichloroethane	U		0.00111	0.00429	1	09/01/2022 22:49	WG1920311
1,1-Dichloroethene	U		0.00104	0.00429	1	09/01/2022 22:49	WG1920311
cis-1,2-Dichloroethene	U		0.00126	0.00429	1	09/01/2022 22:49	WG1920311
trans-1,2-Dichloroethene	U		0.00178	0.00857	1	09/01/2022 22:49	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00244	0.00857	1	09/01/2022 22:49	WG1920311
1,1-Dichloropropene	U		0.00139	0.00429	1	09/01/2022 22:49	WG1920311
1,3-Dichloropropane	U		0.000859	0.00857	1	09/01/2022 22:49	WG1920311
cis-1,3-Dichloropropene	U		0.00130	0.00429	1	09/01/2022 22:49	WG1920311
trans-1,3-Dichloropropene	U		0.00196	0.00857	1	09/01/2022 22:49	WG1920311
2,2-Dichloropropane	U		0.00237	0.00429	1	09/01/2022 22:49	WG1920311
Di-isopropyl ether	U		0.000703	0.00171	1	09/01/2022 22:49	WG1920311
Ethylbenzene	U		0.00126	0.00429	1	09/01/2022 22:49	WG1920311
Hexachloro-1,3-butadiene	U		0.0103	0.0429	1	09/01/2022 22:49	WG1920311
Isopropylbenzene	1.38		0.000729	0.00429	1	09/01/2022 22:49	WG1920311
p-Isopropyltoluene	0.693		0.00437	0.00857	1	09/01/2022 22:49	WG1920311
2-Butanone (MEK)	U		0.109	0.171	1	09/01/2022 22:49	WG1920311
Methylene Chloride	U		0.0114	0.0429	1	09/01/2022 22:49	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00391	0.0429	1	09/01/2022 22:49	WG1920311
Methyl tert-butyl ether	U		0.000600	0.00171	1	09/01/2022 22:49	WG1920311
Naphthalene	3.48		0.334	0.857	40	09/06/2022 16:24	WG1921830
n-Propylbenzene	1.90		0.00163	0.00857	1	09/01/2022 22:49	WG1920311
Styrene	U	C3	0.000393	0.0214	1	09/01/2022 22:49	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00163	0.00429	1	09/01/2022 22:49	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00119	0.00429	1	09/01/2022 22:49	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00429	1	09/01/2022 22:49	WG1920311
Tetrachloroethene	0.00542		0.00154	0.00429	1	09/01/2022 22:49	WG1920311
Toluene	U		0.00223	0.00857	1	09/01/2022 22:49	WG1920311
1,2,3-Trichlorobenzene	U		0.0126	0.0214	1	09/01/2022 22:49	WG1920311
1,2,4-Trichlorobenzene	U		0.00755	0.0214	1	09/01/2022 22:49	WG1920311
1,1,1-Trichloroethane	U		0.00158	0.00429	1	09/01/2022 22:49	WG1920311
1,1,2-Trichloroethane	U		0.00102	0.00429	1	09/01/2022 22:49	WG1920311
Trichloroethene	U		0.00100	0.00171	1	09/01/2022 22:49	WG1920311
Trichlorofluoromethane	U		0.00142	0.00429	1	09/01/2022 22:49	WG1920311
1,2,3-Trichloropropane	U		0.00278	0.0214	1	09/01/2022 22:49	WG1920311
1,2,4-Trimethylbenzene	27.1		0.108	0.343	40	09/06/2022 16:24	WG1921830
1,2,3-Trimethylbenzene	6.23		0.108	0.343	40	09/06/2022 16:24	WG1921830
1,3,5-Trimethylbenzene	6.45		0.137	0.343	40	09/06/2022 16:24	WG1921830
Vinyl chloride	U		0.00199	0.00429	1	09/01/2022 22:49	WG1920311
Xylenes, Total	21.8		0.0604	0.446	40	09/06/2022 16:24	WG1921830
(S) Toluene-d8	*76.6*			*75.0-131*		*09/01/2022 22:49*	WG1920311
(S) Toluene-d8	*99.2*			*75.0-131*		*09/06/2022 16:24*	WG1921830
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/01/2022 22:49*	WG1920311
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*09/06/2022 16:24*	WG1921830
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/01/2022 22:49*	WG1920311
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*09/06/2022 16:24*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	17.9		1.75	5.26	1	09/02/2022 20:50	WG1919961
Residual Range Organics (RRO)	U		4.38	13.2	1	09/02/2022 20:50	WG1919961
(S) o-Terphenyl	*43.6*			*18.0-148*		*09/02/2022 20:50*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00716	0.0276	1.05	08/31/2022 18:59	WG1918510
Dalapon	U		0.00438	0.0276	1.05	08/31/2022 18:59	WG1918510
2,4-DB	U		0.0126	0.0276	1.05	08/31/2022 18:59	WG1918510
Dicamba	U		0.00595	0.0276	1.05	08/31/2022 18:59	WG1918510
Dichloroprop	U		0.00460	0.0276	1.05	08/31/2022 18:59	WG1918510
Dinoseb	U		0.00275	0.0276	1.05	08/31/2022 18:59	WG1918510
MCPA	U		0.00472	0.0276	1.05	08/31/2022 18:59	WG1918510
MCPP	U		0.00324	0.0276	1.05	08/31/2022 18:59	WG1918510
2,4,5-T	U		0.00949	0.0276	1.05	08/31/2022 18:59	WG1918510
2,4,5-TP (Silvex)	U		0.00235	0.0276	1.05	08/31/2022 18:59	WG1918510
(S) 2,4-DB-D3	*93.3*			*70.0-130*		*08/31/2022 18:59*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00303	0.00789	1	09/12/2022 12:37	WG1924028
Acenaphthene	U	T8	0.00275	0.00789	1	09/12/2022 12:37	WG1924028
Acenaphthylene	U	T8	0.00284	0.00789	1	09/12/2022 12:37	WG1924028
Benzo(a)anthracene	U	T8	0.00228	0.00789	1	09/12/2022 12:37	WG1924028
Benzo(a)pyrene	U	T8	0.00235	0.00789	1	09/12/2022 12:37	WG1924028
Benzo(b)fluoranthene	U	T8	0.00201	0.00789	1	09/12/2022 12:37	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00233	0.00789	1	09/12/2022 12:37	WG1924028
Benzo(k)fluoranthene	U	T8	0.00283	0.00789	1	09/12/2022 12:37	WG1924028
Chrysene	U	T8	0.00305	0.00789	1	09/12/2022 12:37	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00226	0.00789	1	09/12/2022 12:37	WG1924028
Fluoranthene	U	T8	0.00299	0.00789	1	09/12/2022 12:37	WG1924028
Fluorene	U	T8	0.00270	0.00789	1	09/12/2022 12:37	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00238	0.00789	1	09/12/2022 12:37	WG1924028
Naphthalene	0.500	T8	0.00537	0.0263	1	09/12/2022 12:37	WG1924028
Phenanthrene	U	T8	0.00304	0.00789	1	09/12/2022 12:37	WG1924028
Pyrene	U	T8	0.00263	0.00789	1	09/12/2022 12:37	WG1924028
1-Methylnaphthalene	0.268	T8	0.00591	0.0263	1	09/12/2022 12:37	WG1924028
2-Methylnaphthalene	0.624	T8	0.00562	0.0263	1	09/12/2022 12:37	WG1924028
2-Chloronaphthalene	U	T8	0.00613	0.0263	1	09/12/2022 12:37	WG1924028
(S) Nitrobenzene-d5	*56.0*			*14.0-149*		*09/12/2022 12:37*	WG1924028
(S) 2-Fluorobiphenyl	*69.6*			*34.0-125*		*09/12/2022 12:37*	WG1924028
(S) p-Terphenyl-d14	*67.8*			*23.0-120*		*09/12/2022 12:37*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	586		12.5	235	10	09/01/2022 03:50	WG1918943
Sulfate	2180		76.5	297	5.05	09/05/2022 00:20	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.15		0.609	2.35	1	09/06/2022 15:01	WG1918900
Cadmium	0.511	J	0.0553	0.587	1	09/06/2022 15:01	WG1918900

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.20	J	1.17	3.44	25	09/03/2022 16:07	WG1921089
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*77.0-120*		*09/03/2022 16:07*	WG1921089

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0496	0.0679	1	09/01/2022 23:08	WG1920311
Acrylonitrile	U		0.00490	0.0170	1	09/01/2022 23:08	WG1920311
Benzene	0.0108		0.000634	0.00136	1	09/01/2022 23:08	WG1920311
Bromobenzene	U		0.00122	0.0170	1	09/01/2022 23:08	WG1920311
Bromodichloromethane	U		0.000984	0.00339	1	09/01/2022 23:08	WG1920311
Bromoform	U		0.00159	0.0339	1	09/01/2022 23:08	WG1920311
Bromomethane	U		0.00267	0.0170	1	09/01/2022 23:08	WG1920311
n-Butylbenzene	U		0.00713	0.0170	1	09/06/2022 13:54	WG1921830
sec-Butylbenzene	U		0.00391	0.0170	1	09/06/2022 13:54	WG1921830
tert-Butylbenzene	U		0.00265	0.00679	1	09/01/2022 23:08	WG1920311
Carbon tetrachloride	U		0.00122	0.00679	1	09/01/2022 23:08	WG1920311
Chlorobenzene	U		0.000285	0.00339	1	09/01/2022 23:08	WG1920311
Chlorodibromomethane	U		0.000831	0.00339	1	09/01/2022 23:08	WG1920311
Chloroethane	U		0.00231	0.00679	1	09/01/2022 23:08	WG1920311
Chloroform	U		0.00140	0.00339	1	09/01/2022 23:08	WG1920311
Chloromethane	U	C3	0.00591	0.0170	1	09/01/2022 23:08	WG1920311
2-Chlorotoluene	U		0.00117	0.00339	1	09/01/2022 23:08	WG1920311
4-Chlorotoluene	U		0.000611	0.00679	1	09/01/2022 23:08	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00530	0.0339	1	09/01/2022 23:08	WG1920311
1,2-Dibromoethane	U		0.000880	0.00339	1	09/01/2022 23:08	WG1920311
Dibromomethane	U		0.00102	0.00679	1	09/01/2022 23:08	WG1920311
1,2-Dichlorobenzene	U		0.000577	0.00679	1	09/01/2022 23:08	WG1920311
1,3-Dichlorobenzene	U		0.000815	0.00679	1	09/01/2022 23:08	WG1920311
1,4-Dichlorobenzene	U		0.000951	0.00679	1	09/01/2022 23:08	WG1920311
Dichlorodifluoromethane	U		0.00219	0.00339	1	09/01/2022 23:08	WG1920311
1,1-Dichloroethane	U		0.000667	0.00339	1	09/01/2022 23:08	WG1920311
1,2-Dichloroethane	U		0.000881	0.00339	1	09/01/2022 23:08	WG1920311
1,1-Dichloroethene	U		0.000823	0.00339	1	09/01/2022 23:08	WG1920311
cis-1,2-Dichloroethene	U		0.000997	0.00339	1	09/01/2022 23:08	WG1920311
trans-1,2-Dichloroethene	U		0.00141	0.00679	1	09/01/2022 23:08	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00193	0.00679	1	09/01/2022 23:08	WG1920311
1,1-Dichloropropene	U		0.00110	0.00339	1	09/01/2022 23:08	WG1920311
1,3-Dichloropropane	U		0.000680	0.00679	1	09/01/2022 23:08	WG1920311
cis-1,3-Dichloropropene	U		0.00103	0.00339	1	09/01/2022 23:08	WG1920311
trans-1,3-Dichloropropene	U		0.00155	0.00679	1	09/01/2022 23:08	WG1920311
2,2-Dichloropropane	U		0.00187	0.00339	1	09/01/2022 23:08	WG1920311
Di-isopropyl ether	U		0.000557	0.00136	1	09/01/2022 23:08	WG1920311
Ethylbenzene	U		0.00100	0.00339	1	09/01/2022 23:08	WG1920311
Hexachloro-1,3-butadiene	U		0.00815	0.0339	1	09/01/2022 23:08	WG1920311
Isopropylbenzene	0.00323	J	0.000577	0.00339	1	09/06/2022 13:54	WG1921830
p-Isopropyltoluene	U		0.00346	0.00679	1	09/06/2022 13:54	WG1921830
2-Butanone (MEK)	U		0.0862	0.136	1	09/01/2022 23:08	WG1920311
Methylene Chloride	U		0.00902	0.0339	1	09/01/2022 23:08	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00310	0.0339	1	09/01/2022 23:08	WG1920311
Methyl tert-butyl ether	U		0.000475	0.00136	1	09/01/2022 23:08	WG1920311
Naphthalene	0.0225		0.00663	0.0170	1	09/06/2022 13:54	WG1921830
n-Propylbenzene	0.00356	J	0.00129	0.00679	1	09/06/2022 13:54	WG1921830
Styrene	U	C3	0.000311	0.0170	1	09/01/2022 23:08	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00129	0.00339	1	09/01/2022 23:08	WG1920311
1,1,2,2-Tetrachloroethane	U		0.000944	0.00339	1	09/01/2022 23:08	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00339	1	09/01/2022 23:08	WG1920311
Tetrachloroethene	U		0.00122	0.00339	1	09/01/2022 23:08	WG1920311
Toluene	0.00284	J	0.00177	0.00679	1	09/01/2022 23:08	WG1920311
1,2,3-Trichlorobenzene	U		0.00995	0.0170	1	09/01/2022 23:08	WG1920311
1,2,4-Trichlorobenzene	U		0.00597	0.0170	1	09/01/2022 23:08	WG1920311
1,1,1-Trichloroethane	U		0.00125	0.00339	1	09/01/2022 23:08	WG1920311
1,1,2-Trichloroethane	U		0.000811	0.00339	1	09/01/2022 23:08	WG1920311
Trichloroethene	U		0.000793	0.00136	1	09/01/2022 23:08	WG1920311
Trichlorofluoromethane	U		0.00112	0.00339	1	09/01/2022 23:08	WG1920311
1,2,3-Trichloropropane	U		0.00220	0.0170	1	09/01/2022 23:08	WG1920311
1,2,4-Trimethylbenzene	0.0546		0.00215	0.00679	1	09/06/2022 13:54	WG1921830
1,2,3-Trimethylbenzene	0.0194		0.00215	0.00679	1	09/06/2022 13:54	WG1921830
1,3,5-Trimethylbenzene	0.0127		0.00272	0.00679	1	09/06/2022 13:54	WG1921830
Vinyl chloride	U		0.00158	0.00339	1	09/01/2022 23:08	WG1920311
Xylenes, Total	0.100		0.00119	0.00883	1	09/01/2022 23:08	WG1920311
(S) Toluene-d8	*94.2*			*75.0-131*		*09/01/2022 23:08*	WG1920311
(S) Toluene-d8	*99.5*			*75.0-131*		*09/06/2022 13:54*	WG1921830
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*09/01/2022 23:08*	WG1920311
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/06/2022 13:54*	WG1921830
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/01/2022 23:08*	WG1920311
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/06/2022 13:54*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.88	J	1.56	4.70	1	09/02/2022 20:11	WG1919961
Residual Range Organics (RRO)	7.07	J	3.91	11.7	1	09/02/2022 20:11	WG1919961
(S) o-Terphenyl	*56.8*			*18.0-148*		*09/02/2022 20:11*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00609	0.0235	1	08/31/2022 19:17	WG1918510
Dalapon	U		0.00372	0.0235	1	08/31/2022 19:17	WG1918510
2,4-DB	U		0.0107	0.0235	1	08/31/2022 19:17	WG1918510
Dicamba	U		0.00506	0.0235	1	08/31/2022 19:17	WG1918510
Dichloroprop	U		0.00391	0.0235	1	08/31/2022 19:17	WG1918510
Dinoseb	U		0.00234	0.0235	1	08/31/2022 19:17	WG1918510
MCPA	U		0.00402	0.0235	1	08/31/2022 19:17	WG1918510
MCPP	U		0.00275	0.0235	1	08/31/2022 19:17	WG1918510
2,4,5-T	U		0.00806	0.0235	1	08/31/2022 19:17	WG1918510
2,4,5-TP (Silvex)	U		0.00201	0.0235	1	08/31/2022 19:17	WG1918510
(S) 2,4-DB-D3	*121*			*70.0-130*		*08/31/2022 19:17*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00270	0.00705	1	09/12/2022 08:45	WG1924028
Acenaphthene	U	T8	0.00246	0.00705	1	09/12/2022 08:45	WG1924028
Acenaphthylene	U	T8	0.00254	0.00705	1	09/12/2022 08:45	WG1924028
Benzo(a)anthracene	U	T8	0.00203	0.00705	1	09/12/2022 08:45	WG1924028
Benzo(a)pyrene	U	T8	0.00210	0.00705	1	09/12/2022 08:45	WG1924028
Benzo(b)fluoranthene	U	T8	0.00180	0.00705	1	09/12/2022 08:45	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00208	0.00705	1	09/12/2022 08:45	WG1924028
Benzo(k)fluoranthene	U	T8	0.00253	0.00705	1	09/12/2022 08:45	WG1924028
Chrysene	U	T8	0.00273	0.00705	1	09/12/2022 08:45	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00202	0.00705	1	09/12/2022 08:45	WG1924028
Fluoranthene	U	T8	0.00267	0.00705	1	09/12/2022 08:45	WG1924028
Fluorene	U	T8	0.00241	0.00705	1	09/12/2022 08:45	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00213	0.00705	1	09/12/2022 08:45	WG1924028
Naphthalene	0.0156	J T8	0.00479	0.0235	1	09/12/2022 08:45	WG1924028
Phenanthrene	U	T8	0.00271	0.00705	1	09/12/2022 08:45	WG1924028
Pyrene	U	T8	0.00235	0.00705	1	09/12/2022 08:45	WG1924028
1-Methylnaphthalene	U	T8	0.00528	0.0235	1	09/12/2022 08:45	WG1924028
2-Methylnaphthalene	0.00841	J T8	0.00502	0.0235	1	09/12/2022 08:45	WG1924028
2-Chloronaphthalene	U	T8	0.00548	0.0235	1	09/12/2022 08:45	WG1924028
(S) Nitrobenzene-d5	*97.0*			*14.0-149*		*09/12/2022 08:45*	WG1924028
(S) 2-Fluorobiphenyl	*95.1*			*34.0-125*		*09/12/2022 08:45*	WG1924028
(S) p-Terphenyl-d14	*90.2*			*23.0-120*		*09/12/2022 08:45*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	51.6		1.46	27.6	1	09/01/2022 04:44	WG1918943
Sulfate	685		17.8	69.0	1	09/04/2022 22:20	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.08		0.715	2.76	1	09/01/2022 01:08	WG1919374
Cadmium	0.273	J	0.0650	0.690	1	09/01/2022 01:08	WG1919374

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1230		31.5	93.2	500	09/03/2022 21:55	WG1921089
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/03/2022 21:55*	WG1921089

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0674	0.0923	1	09/01/2022 23:28	WG1920311
Acrylonitrile	U		0.00667	0.0231	1	09/01/2022 23:28	WG1920311
Benzene	2.90		0.000862	0.00185	1	09/01/2022 23:28	WG1920311
Bromobenzene	U		0.00166	0.0231	1	09/01/2022 23:28	WG1920311
Bromodichloromethane	U		0.00134	0.00462	1	09/01/2022 23:28	WG1920311
Bromoform	U		0.00216	0.0462	1	09/01/2022 23:28	WG1920311
Bromomethane	U		0.00364	0.0231	1	09/01/2022 23:28	WG1920311
n-Butylbenzene	1.87		0.00969	0.0231	1	09/01/2022 23:28	WG1920311
sec-Butylbenzene	0.798		0.00532	0.0231	1	09/01/2022 23:28	WG1920311
tert-Butylbenzene	U		0.00360	0.00923	1	09/01/2022 23:28	WG1920311
Carbon tetrachloride	U		0.00166	0.00923	1	09/01/2022 23:28	WG1920311
Chlorobenzene	U		0.000388	0.00462	1	09/01/2022 23:28	WG1920311
Chlorodibromomethane	U		0.00113	0.00462	1	09/01/2022 23:28	WG1920311
Chloroethane	U		0.00314	0.00923	1	09/01/2022 23:28	WG1920311
Chloroform	U		0.00190	0.00462	1	09/01/2022 23:28	WG1920311
Chloromethane	U	C3	0.00803	0.0231	1	09/01/2022 23:28	WG1920311
2-Chlorotoluene	U		0.00160	0.00462	1	09/01/2022 23:28	WG1920311
4-Chlorotoluene	U		0.000831	0.00923	1	09/01/2022 23:28	WG1920311
1,2-Dibromo-3-Chloropropane	U		0.00720	0.0462	1	09/01/2022 23:28	WG1920311
1,2-Dibromoethane	U		0.00120	0.00462	1	09/01/2022 23:28	WG1920311
Dibromomethane	U		0.00138	0.00923	1	09/01/2022 23:28	WG1920311
1,2-Dichlorobenzene	U		0.000785	0.00923	1	09/01/2022 23:28	WG1920311
1,3-Dichlorobenzene	U		0.00111	0.00923	1	09/01/2022 23:28	WG1920311
1,4-Dichlorobenzene	U		0.00129	0.00923	1	09/01/2022 23:28	WG1920311
Dichlorodifluoromethane	U		0.00297	0.00462	1	09/01/2022 23:28	WG1920311
1,1-Dichloroethane	U		0.000907	0.00462	1	09/01/2022 23:28	WG1920311
1,2-Dichloroethane	U		0.00120	0.00462	1	09/01/2022 23:28	WG1920311
1,1-Dichloroethene	U		0.00112	0.00462	1	09/01/2022 23:28	WG1920311
cis-1,2-Dichloroethene	U		0.00136	0.00462	1	09/01/2022 23:28	WG1920311
trans-1,2-Dichloroethene	U		0.00192	0.00923	1	09/01/2022 23:28	WG1920311

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00262	0.00923	1	09/01/2022 23:28	WG1920311
1,1-Dichloropropene	U		0.00149	0.00462	1	09/01/2022 23:28	WG1920311
1,3-Dichloropropane	U		0.000925	0.00923	1	09/01/2022 23:28	WG1920311
cis-1,3-Dichloropropene	U		0.00140	0.00462	1	09/01/2022 23:28	WG1920311
trans-1,3-Dichloropropene	U		0.00211	0.00923	1	09/01/2022 23:28	WG1920311
2,2-Dichloropropane	U		0.00255	0.00462	1	09/01/2022 23:28	WG1920311
Di-isopropyl ether	U		0.000757	0.00185	1	09/01/2022 23:28	WG1920311
Ethylbenzene	0.00198	J	0.00136	0.00462	1	09/01/2022 23:28	WG1920311
Hexachloro-1,3-butadiene	U		0.0111	0.0462	1	09/01/2022 23:28	WG1920311
Isopropylbenzene	1.17		0.000785	0.00462	1	09/01/2022 23:28	WG1920311
p-Isopropyltoluene	0.561		0.00471	0.00923	1	09/01/2022 23:28	WG1920311
2-Butanone (MEK)	U		0.117	0.185	1	09/01/2022 23:28	WG1920311
Methylene Chloride	U		0.0123	0.0462	1	09/01/2022 23:28	WG1920311
4-Methyl-2-pentanone (MIBK)	U		0.00421	0.0462	1	09/01/2022 23:28	WG1920311
Methyl tert-butyl ether	U		0.000646	0.00185	1	09/01/2022 23:28	WG1920311
Naphthalene	4.95		0.360	0.923	40	09/06/2022 16:42	WG1921830
n-Propylbenzene	1.72		0.00175	0.00923	1	09/01/2022 23:28	WG1920311
Styrene	U	C3	0.000423	0.0231	1	09/01/2022 23:28	WG1920311
1,1,1,2-Tetrachloroethane	U		0.00175	0.00462	1	09/01/2022 23:28	WG1920311
1,1,2,2-Tetrachloroethane	U		0.00128	0.00462	1	09/01/2022 23:28	WG1920311
1,1,2-Trichlorotrifluoroethane	U		0.00139	0.00462	1	09/01/2022 23:28	WG1920311
Tetrachloroethene	U		0.00165	0.00462	1	09/01/2022 23:28	WG1920311
Toluene	U		0.00240	0.00923	1	09/01/2022 23:28	WG1920311
1,2,3-Trichlorobenzene	U		0.0135	0.0231	1	09/01/2022 23:28	WG1920311
1,2,4-Trichlorobenzene	U		0.00812	0.0231	1	09/01/2022 23:28	WG1920311
1,1,1-Trichloroethane	U		0.00170	0.00462	1	09/01/2022 23:28	WG1920311
1,1,2-Trichloroethane	U		0.00110	0.00462	1	09/01/2022 23:28	WG1920311
Trichloroethene	U		0.00108	0.00185	1	09/01/2022 23:28	WG1920311
Trichlorofluoromethane	U		0.00153	0.00462	1	09/01/2022 23:28	WG1920311
1,2,3-Trichloropropane	U		0.00299	0.0231	1	09/01/2022 23:28	WG1920311
1,2,4-Trimethylbenzene	25.3		0.117	0.369	40	09/06/2022 16:42	WG1921830
1,2,3-Trimethylbenzene	5.96		0.117	0.369	40	09/06/2022 16:42	WG1921830
1,3,5-Trimethylbenzene	6.94		0.148	0.369	40	09/06/2022 16:42	WG1921830
Vinyl chloride	U		0.00214	0.00462	1	09/01/2022 23:28	WG1920311
Xylenes, Total	0.977		0.00162	0.0120	1	09/01/2022 23:28	WG1920311
(S) Toluene-d8	*77.1*			*75.0-131*		*09/01/2022 23:28*	WG1920311
(S) Toluene-d8	*100*			*75.0-131*		*09/06/2022 16:42*	WG1921830
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*09/01/2022 23:28*	WG1920311
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*09/06/2022 16:42*	WG1921830
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*09/01/2022 23:28*	WG1920311
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*09/06/2022 16:42*	WG1921830

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	17.9		1.84	5.52	1	09/02/2022 19:58	WG1919961
Residual Range Organics (RRO)	U		4.60	13.8	1	09/02/2022 19:58	WG1919961
(S) o-Terphenyl	*33.0*			*18.0-148*		*09/02/2022 19:58*	WG1919961

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.221		0.00715	0.0276	1	08/31/2022 19:34	WG1918510
Dalapon	U		0.00437	0.0276	1	08/31/2022 19:34	WG1918510
2,4-DB	U		0.0125	0.0276	1	08/31/2022 19:34	WG1918510
Dicamba	0.114		0.00595	0.0276	1	08/31/2022 19:34	WG1918510
Dichloroprop	U		0.00460	0.0276	1	08/31/2022 19:34	WG1918510
Dinoseb	U		0.00275	0.0276	1	08/31/2022 19:34	WG1918510
MCPA	U		0.00472	0.0276	1	08/31/2022 19:34	WG1918510
MCPP	U		0.00323	0.0276	1	08/31/2022 19:34	WG1918510
2,4,5-T	U		0.00947	0.0276	1	08/31/2022 19:34	WG1918510
2,4,5-TP (Silvex)	U		0.00236	0.0276	1	08/31/2022 19:34	WG1918510
(S) 2,4-DB-D3	*90.5*			*70.0-130*		*08/31/2022 19:34*	WG1918510

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00317	0.00828	1	09/12/2022 12:55	WG1924028
Acenaphthene	U	T8	0.00288	0.00828	1	09/12/2022 12:55	WG1924028
Acenaphthylene	U	T8	0.00298	0.00828	1	09/12/2022 12:55	WG1924028
Benzo(a)anthracene	U	T8	0.00239	0.00828	1	09/12/2022 12:55	WG1924028
Benzo(a)pyrene	U	T8	0.00247	0.00828	1	09/12/2022 12:55	WG1924028
Benzo(b)fluoranthene	U	T8	0.00211	0.00828	1	09/12/2022 12:55	WG1924028
Benzo(g,h,i)perylene	U	T8	0.00244	0.00828	1	09/12/2022 12:55	WG1924028
Benzo(k)fluoranthene	U	T8	0.00297	0.00828	1	09/12/2022 12:55	WG1924028
Chrysene	U	T8	0.00320	0.00828	1	09/12/2022 12:55	WG1924028
Dibenz(a,h)anthracene	U	T8	0.00237	0.00828	1	09/12/2022 12:55	WG1924028
Fluoranthene	U	T8	0.00313	0.00828	1	09/12/2022 12:55	WG1924028
Fluorene	U	T8	0.00283	0.00828	1	09/12/2022 12:55	WG1924028
Indeno(1,2,3-cd)pyrene	U	T8	0.00250	0.00828	1	09/12/2022 12:55	WG1924028
Naphthalene	0.847	T8	0.00563	0.0276	1	09/12/2022 12:55	WG1924028
Phenanthrene	U	T8	0.00319	0.00828	1	09/12/2022 12:55	WG1924028
Pyrene	U	T8	0.00276	0.00828	1	09/12/2022 12:55	WG1924028
1-Methylnaphthalene	0.544	T8	0.00620	0.0276	1	09/12/2022 12:55	WG1924028
2-Methylnaphthalene	1.30	T8	0.00589	0.0276	1	09/12/2022 12:55	WG1924028
2-Chloronaphthalene	U	T8	0.00643	0.0276	1	09/12/2022 12:55	WG1924028
(S) Nitrobenzene-d5	*81.1*			*14.0-149*		*09/12/2022 12:55*	WG1924028
(S) 2-Fluorobiphenyl	*91.3*			*34.0-125*		*09/12/2022 12:55*	WG1924028
(S) p-Terphenyl-d14	*87.2*			*23.0-120*		*09/12/2022 12:55*	WG1924028

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 2580 B-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	214	T8	1	09/21/2022 10:48	WG1926329

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.20	T8	1	09/06/2022 12:00	WG1921572

Sample Narrative:

L1530171-14 WG1921572: 8.2 at 21.4C

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.36	25.8	1.02	09/01/2022 05:02	WG1918943
Sulfate	79.6		16.7	64.4	1.02	09/04/2022 22:35	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.84		0.654	2.53	1	09/01/2022 01:11	WG1919374
Cadmium	0.391	J	0.0595	0.631	1	09/01/2022 01:11	WG1919374
Iron	25500		2.83	12.6	1	09/01/2022 01:11	WG1919374
Manganese	439		0.168	1.26	1	09/01/2022 01:11	WG1919374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.1		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 2580 B-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	114	T8	1	09/23/2022 08:11	WG1931078

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.73	T8	1	09/06/2022 12:00	WG1921572

Sample Narrative:

L1530171-15 WG1921572: 7.73 at 21.4C

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	529		7.22	136	5.05	09/07/2022 04:27	WG1922154
Sulfate	2320		17.4	67.5	1	09/04/2022 22:50	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.67		0.699	2.70	1	09/01/2022 01:19	WG1919374
Cadmium	0.520	J	0.0636	0.675	1	09/01/2022 01:19	WG1919374
Iron	37600		3.02	13.5	1	09/01/2022 01:19	WG1919374
Manganese	871		0.179	1.35	1	09/01/2022 01:19	WG1919374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	08/30/2022 18:18	WG1918843

Wet Chemistry by Method 2580 B-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	214	T8	1	09/21/2022 10:48	WG1926329

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.36	T8	1	09/06/2022 12:00	WG1921572

Sample Narrative:

L1530171-16 WG1921572: 7.36 at 21.3C

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	198		1.43	27.0	1.01	09/04/2022 23:05	WG1918941
Sulfate	399		17.4	67.6	1.01	09/04/2022 23:05	WG1918941

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	U		0.693	2.68	1	09/01/2022 01:22	WG1919374
Cadmium	0.0916	J	0.0630	0.669	1	09/01/2022 01:22	WG1919374
Iron	9750		3.00	13.4	1	09/01/2022 01:22	WG1919374
Manganese	291		0.178	1.34	1	09/01/2022 01:22	WG1919374

Method Blank (MB)

(MB) R3832778-1 08/31/22 09:14

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

L1530171-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-02 08/31/22 09:14 • (DUP) R3832778-3 08/31/22 09:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.3	73.2	1	0.123		10

Laboratory Control Sample (LCS)

(LCS) R3832778-2 08/31/22 09:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3832420-1 08/30/22 18:18

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

L1530171-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-13 08/30/22 18:18 • (DUP) R3832420-3 08/30/22 18:18

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	72.5	72.4	1	0.0714		10

Laboratory Control Sample (LCS)

(LCS) R3832420-2 08/30/22 18:18

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1530171-14,16

L1528357-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528357-01 09/21/22 10:48 • (DUP) R3839586-3 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	184	192	1	7.90		10

L1528365-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528365-01 09/21/22 10:48 • (DUP) R3839586-4 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	205	203	1	2.20		10

L1528365-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1528365-02 09/21/22 10:48 • (DUP) R3839586-5 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	263	264	1	1.50		10

L1530171-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-14 09/21/22 10:48 • (DUP) R3839586-6 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	214	208	1	5.30		10

L1530171-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-16 09/21/22 10:48 • (DUP) R3839586-7 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	214	212	1	1.60		10

L1532257-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532257-01 09/21/22 10:48 • (DUP) R3839586-8 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	192	190	1	2.50		10

L1532257-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1532257-02 09/21/22 10:48 • (DUP) R3839586-9 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	175	173	1	2.00		10

L1532257-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1532257-03 09/21/22 10:48 • (DUP) R3839586-10 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	167	170	1	2.50		10

L1532257-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1532257-04 09/21/22 10:48 • (DUP) R3839586-11 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	181	180	1	1.30		10

L1532257-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1532257-05 09/21/22 10:48 • (DUP) R3839586-12 09/21/22 10:48

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	184	184	1	0.400		10

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

(LCS) R3839586-1 09/21/22 10:48 • (LCSD) R3839586-2 09/21/22 10:48

Analyte	Spike Amount mV	LCS Result mV	LCSD Result mV	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	Diff mV	Diff Limits mV
ORP	109	114	112	105	103	90.0-110			2.30	10

L1530171-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-15 09/23/22 08:11 • (DUP) R3840529-3 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	114	113	1	0.900		10

L1535557-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-01 09/23/22 08:11 • (DUP) R3840529-4 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	142	152	1	9.40		10

L1535557-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-02 09/23/22 08:11 • (DUP) R3840529-5 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	143	145	1	2.80		10

L1535557-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-03 09/23/22 08:11 • (DUP) R3840529-6 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	162	170	1	8.20		10

L1535557-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-04 09/23/22 08:11 • (DUP) R3840529-7 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	174	177	1	3.30		10

L1535557-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-05 09/23/22 08:11 • (DUP) R3840529-8 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	165	169	1	4.50		10

L1535557-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-06 09/23/22 08:11 • (DUP) R3840529-9 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	165	168	1	2.70		10

L1535557-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-07 09/23/22 08:11 • (DUP) R3840529-10 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	200	204	1	4.30		10

L1535557-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-08 09/23/22 08:11 • (DUP) R3840529-11 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	212	218	1	5.40		10

L1535557-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-09 09/23/22 08:11 • (DUP) R3840529-12 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	222	223	1	1.30		10

L1535557-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-10 09/23/22 08:11 • (DUP) R3840529-13 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	226	228	1	2.50		10

L1535557-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-11 09/23/22 08:11 • (DUP) R3840529-14 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	226	226	1	0.800		10

L1535557-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-12 09/23/22 08:11 • (DUP) R3840529-15 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	219	220	1	0.800		10

L1535557-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-13 09/23/22 08:11 • (DUP) R3840529-16 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	263	264	1	0.100		10

L1535557-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-14 09/23/22 08:11 • (DUP) R3840529-17 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	259	256	1	2.30		10

L1535557-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-15 09/23/22 08:11 • (DUP) R3840529-18 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	259	265	1	5.80		10

L1535557-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-16 09/23/22 08:11 • (DUP) R3840529-19 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	264	263	1	1.10		10

L1535557-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-17 09/23/22 08:11 • (DUP) R3840529-20 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	262	265	1	2.80		10

L1535557-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-18 09/23/22 08:11 • (DUP) R3840529-21 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	226	222	1	4.50		10

L1535557-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1535557-19 09/23/22 08:11 • (DUP) R3840529-22 09/23/22 08:11

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	237	229	1	8.30		10

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

(LCS) R3840529-1 09/23/22 08:11 • (LCSD) R3840529-2 09/23/22 08:11

Analyte	Spike Amount mV	LCS Result mV	LCSD Result mV	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	Diff mV	Diff Limits mV
ORP	109	115	115	105	105	90.0-110			0.300	10

L1530090-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1530090-07 09/06/22 12:00 • (DUP) R3834023-2 09/06/22 12:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.64	8.62	1	0.232		1

Sample Narrative:

OS: 8.64 at 21.7C

DUP: 8.62 at 21.8C

L1530171-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-14 09/06/22 12:00 • (DUP) R3834023-3 09/06/22 12:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.20	8.20	1	0.000		1

Sample Narrative:

OS: 8.2 at 21.4C

DUP: 8.2 at 21.6C

Laboratory Control Sample (LCS)

(LCS) R3834023-1 09/06/22 12:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 21.6C

Method Blank (MB)

(MB) R3833784-1 09/04/22 16:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1530171-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-06 09/04/22 19:07 • (DUP) R3833784-3 09/04/22 19:21

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	913	1050	1	13.6	E	15

L1530171-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-12 09/04/22 21:21 • (DUP) R3833784-6 09/04/22 22:05

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	641	617	1	3.80	E	15

L1530171-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-06 09/04/22 23:35 • (DUP) R3833784-7 09/04/22 23:50

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	894	1030	5	13.9		15
Sulfate	2960	4150	5	33.7	J3	15

L1530171-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-12 09/05/22 00:20 • (DUP) R3833784-8 09/05/22 01:04

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	656	624	5	5.10		15
Sulfate	2180	2080	5	4.64		15

Laboratory Control Sample (LCS)

(LCS) R3833784-2 09/04/22 16:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	38.5	96.3	80.0-120	
Sulfate	200	201	101	80.0-120	

L1530171-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530171-06 09/04/22 19:07 • (MS) R3833784-4 09/04/22 19:36 • (MSD) R3833784-5 09/04/22 19:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	108	913	1290	1410	345	463	1.01	80.0-120	E V	E V	9.40	15
Sulfate	539	2960	5270	5940	428	552	1.01	80.0-120	E V	E V	11.9	15

Method Blank (MB)

(MB) R3833124-1 08/31/22 19:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0

L1530046-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1530046-01 08/31/22 19:56 • (DUP) R3833124-3 08/31/22 20:14

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15

L1530171-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1530171-01 08/31/22 23:21 • (DUP) R3833124-6 08/31/22 23:39

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	230	224	5	2.79		15

Laboratory Control Sample (LCS)

(LCS) R3833124-2 08/31/22 19:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	36.5	91.3	80.0-120	

L1530046-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530046-01 08/31/22 19:56 • (MS) R3833124-4 08/31/22 21:16 • (MSD) R3833124-5 08/31/22 21:34

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 %
Nitrate-Nitrite	100	U	95.7	95.4	95.7	95.4	1.01	80.0-120			0.342	15

Method Blank (MB)

(MB) R3834731-1 09/07/22 01:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0

L1531676-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1531676-01 09/07/22 06:56 • (DUP) R3834731-3 09/07/22 07:11

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15

L1531676-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1531676-02 09/07/22 07:26 • (DUP) R3834731-4 09/07/22 08:10

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3834731-2 09/07/22 02:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	39.5	98.7	80.0-120	

L1531676-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1531676-02 09/07/22 07:26 • (MS) R3834731-5 09/07/22 08:25 • (MSD) R3834731-6 09/07/22 08:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	126	U	125	127	99.3	101	1	80.0-120			1.25	15

Method Blank (MB)

(MB) R3834217-1 09/06/22 11:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3834217-2 09/06/22 11:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Arsenic	100	92.5	92.5	80.0-120	
Cadmium	100	94.3	94.3	80.0-120	

L1530200-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530200-02 09/06/22 11:49 • (MS) R3834217-5 09/06/22 11:57 • (MSD) R3834217-6 09/06/22 11:59

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	108	1.74	92.7	95.1	84.0	86.2	1	75.0-125			2.52	20
Cadmium	108	U	93.6	96.3	86.4	88.9	1	75.0-125			2.89	20

Method Blank (MB)

(MB) R3832935-1 09/01/22 11:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3832935-2 09/01/22 11:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.5	94.5	80.0-120	
Cadmium	100	92.9	92.9	80.0-120	

L1530171-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530171-02 09/01/22 11:53 • (MS) R3832935-5 09/01/22 12:01 • (MSD) R3832935-6 09/01/22 12:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	136	2.86	129	115	92.3	82.5	1	75.0-125			11.0	20
Cadmium	136	0.471	124	111	90.5	81.0	1	75.0-125			11.0	20

Method Blank (MB)

(MB) R3832696-1 09/01/22 00:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500
Iron	U		2.24	10.0
Manganese	U		0.133	1.00

Laboratory Control Sample (LCS)

(LCS) R3832696-2 09/01/22 00:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.6	90.6	80.0-120	
Cadmium	100	93.7	93.7	80.0-120	
Iron	1000	981	98.1	80.0-120	
Manganese	100	89.1	89.1	80.0-120	

L1530175-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530175-01 09/01/22 00:17 • (MS) R3832696-5 09/01/22 00:25 • (MSD) R3832696-6 09/01/22 00:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	122	U	114	99.3	93.1	81.2	1	75.0-125			13.6	20
Cadmium	122	0.172	130	122	107	99.9	1	75.0-125			6.46	20
Iron	1220	32600	52600	45700	1630	1070	1	75.0-125	V	V	14.1	20
Manganese	122	216	435	362	180	120	1	75.0-125	E J5	E	18.5	20

Method Blank (MB)

(MB) R3833415-1 09/02/22 12:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3833415-2 09/02/22 12:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	87.3	87.3	80.0-120	
Cadmium	100	88.7	88.7	80.0-120	

L1530232-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530232-06 09/02/22 13:02 • (MS) R3833415-5 09/02/22 13:09 • (MSD) R3833415-6 09/02/22 13:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	107	4.08	90.3	90.4	80.6	80.7	1	75.0-125			0.113	20
Cadmium	107	U	88.6	89.7	82.9	83.9	1	75.0-125			1.21	20

Method Blank (MB)

(MB) R3833123-2 08/31/22 16:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3833123-1 08/31/22 15:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	4.87	88.5	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1529471-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529471-01 08/31/22 23:05 • (MS) R3833123-3 08/31/22 23:25 • (MSD) R3833123-4 08/31/22 23:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	7640	948	7660	7360	87.8	83.9	1000	50.0-150			3.95	27
(S) a,a,a-Trifluorotoluene(FID)					*103*	*103*		*77.0-120*				

Method Blank (MB)

(MB) R3833718-2 09/02/22 08:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3833718-1 09/02/22 07:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	6.25	114	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*77.0-120*	

Method Blank (MB)

(MB) R3833543-2 09/02/22 17:36

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)	*119*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3833543-1 09/02/22 16:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.99	109	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

L1529804-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529804-01 09/02/22 18:19 • (MS) R3833543-3 09/03/22 02:30 • (MSD) R3833543-4 09/03/22 02:52

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	65.2	U	72.6	61.4	111	94.2	25	50.0-150			16.7	27
(S) a,a,a-Trifluorotoluene(FID)					*106*	*104*		*77.0-120*				

Method Blank (MB)

(MB) R3833721-3 09/03/22 13:25

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

Laboratory Control Sample (LCS)

(LCS) R3833721-1 09/03/22 12:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.85	106	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R3834565-2 09/05/22 07:47

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)	*117*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3834565-1 09/05/22 06:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.62	102	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R3833914-2 09/01/22 14:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon 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	0.00250
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

Method Blank (MB)

(MB) R3833914-2 09/01/22 14:35

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	0.00395	J	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	0.00308	J	0.000880	0.00650
(S) Toluene-d8	*94.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3833914-1 09/01/22 13:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.05	168	10.0-160	J4
Acrylonitrile	0.625	0.683	109	45.0-153	
Benzene	0.125	0.127	102	70.0-123	
Bromobenzene	0.125	0.121	96.8	73.0-121	
Bromodichloromethane	0.125	0.140	112	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3833914-1 09/01/22 13:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.100	80.0	64.0-132	
Bromomethane	0.125	0.104	83.2	56.0-147	
n-Butylbenzene	0.125	0.136	109	68.0-135	
sec-Butylbenzene	0.125	0.130	104	74.0-130	
tert-Butylbenzene	0.125	0.119	95.2	75.0-127	
Carbon tetrachloride	0.125	0.158	126	66.0-128	
Chlorobenzene	0.125	0.104	83.2	76.0-128	
Chlorodibromomethane	0.125	0.103	82.4	74.0-127	
Chloroethane	0.125	0.113	90.4	61.0-134	
Chloroform	0.125	0.134	107	72.0-123	
Chloromethane	0.125	0.0982	78.6	51.0-138	
2-Chlorotoluene	0.125	0.124	99.2	75.0-124	
4-Chlorotoluene	0.125	0.124	99.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.100	80.0	59.0-130	
1,2-Dibromoethane	0.125	0.105	84.0	74.0-128	
Dibromomethane	0.125	0.130	104	75.0-122	
1,2-Dichlorobenzene	0.125	0.116	92.8	76.0-124	
1,3-Dichlorobenzene	0.125	0.119	95.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.108	86.4	77.0-121	
Dichlorodifluoromethane	0.125	0.142	114	43.0-156	
1,1-Dichloroethane	0.125	0.129	103	70.0-127	
1,2-Dichloroethane	0.125	0.135	108	65.0-131	
1,1-Dichloroethene	0.125	0.147	118	65.0-131	
cis-1,2-Dichloroethene	0.125	0.128	102	73.0-125	
trans-1,2-Dichloroethene	0.125	0.120	96.0	71.0-125	
1,2-Dichloropropane	0.125	0.122	97.6	74.0-125	
1,1-Dichloropropene	0.125	0.141	113	73.0-125	
1,3-Dichloropropane	0.125	0.116	92.8	80.0-125	
cis-1,3-Dichloropropene	0.125	0.129	103	76.0-127	
trans-1,3-Dichloropropene	0.125	0.119	95.2	73.0-127	
2,2-Dichloropropane	0.125	0.150	120	59.0-135	
Di-isopropyl ether	0.125	0.116	92.8	60.0-136	
Ethylbenzene	0.125	0.104	83.2	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.133	106	57.0-150	
Isopropylbenzene	0.125	0.112	89.6	72.0-127	
p-Isopropyltoluene	0.125	0.122	97.6	72.0-133	
2-Butanone (MEK)	0.625	0.737	118	30.0-160	
Methylene Chloride	0.125	0.133	106	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.526	84.2	56.0-143	
Methyl tert-butyl ether	0.125	0.141	113	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R3833914-1 09/01/22 13:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.116	92.8	59.0-130	
n-Propylbenzene	0.125	0.124	99.2	74.0-126	
Styrene	0.125	0.0975	78.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.105	84.0	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.119	95.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.152	122	61.0-139	
Tetrachloroethene	0.125	0.122	97.6	70.0-136	
Toluene	0.125	0.110	88.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.128	102	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.133	106	62.0-137	
1,1,1-Trichloroethane	0.125	0.145	116	69.0-126	
1,1,2-Trichloroethane	0.125	0.114	91.2	78.0-123	
Trichloroethene	0.125	0.115	92.0	76.0-126	
Trichlorofluoromethane	0.125	0.161	129	61.0-142	
1,2,3-Trichloropropane	0.125	0.115	92.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.128	102	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.110	88.0	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.125	100	73.0-127	
Vinyl chloride	0.125	0.110	88.0	63.0-134	
Xylenes, Total	0.375	0.297	79.2	72.0-127	
(S) Toluene-d8			*92.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*96.3*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*119*	*70.0-130*	

Method Blank (MB)

(MB) R3834478-3 09/06/22 12:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

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

(LCS) R3834478-1 09/06/22 10:55 • (LCSD) R3834478-2 09/06/22 11:13

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 %
n-Butylbenzene	0.125	0.113	0.128	90.4	102	68.0-135			12.4	20
sec-Butylbenzene	0.125	0.103	0.114	82.4	91.2	74.0-130			10.1	20
Isopropylbenzene	0.125	0.102	0.118	81.6	94.4	72.0-127			14.5	20
p-Isopropyltoluene	0.125	0.105	0.110	84.0	88.0	72.0-133			4.65	20
Naphthalene	0.125	0.108	0.126	86.4	101	59.0-130			15.4	20
n-Propylbenzene	0.125	0.107	0.120	85.6	96.0	74.0-126			11.5	20
1,2,4-Trichlorobenzene	0.125	0.105	0.127	84.0	102	62.0-137			19.0	20
1,2,4-Trimethylbenzene	0.125	0.105	0.119	84.0	95.2	70.0-126			12.5	20
1,2,3-Trimethylbenzene	0.125	0.108	0.117	86.4	93.6	74.0-124			8.00	20
1,3,5-Trimethylbenzene	0.125	0.104	0.113	83.2	90.4	73.0-127			8.29	20
Xylenes, Total	0.375	0.323	0.382	86.1	102	72.0-127			16.7	20
(S) Toluene-d8				*97.2*	*99.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*107*	*110*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*127*	*129*	*70.0-130*				

Method Blank (MB)

(MB) R3834089-1 09/05/22 18:14

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	*84.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3834089-2 09/05/22 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	29.8	59.6	50.0-150	
(S) o-Terphenyl			*59.3*	*18.0-148*	

L1529198-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529198-22 09/05/22 20:56 • (MS) R3834089-3 09/05/22 21:08 • (MSD) R3834089-4 09/05/22 21:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	168	74.0	216	166	84.6	54.3	1	50.0-150		J3	26.4	20
(S) o-Terphenyl					*87.3*	*85.4*		*18.0-148*				

Method Blank (MB)

(MB) R3833743-1 09/02/22 18:01

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	*62.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3833743-2 09/02/22 18:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	35.8	71.6	50.0-150	
(S) o-Terphenyl			*74.5*	*18.0-148*	

L1530171-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530171-12 09/02/22 20:11 • (MS) R3833743-3 09/02/22 20:24 • (MSD) R3833743-4 09/02/22 20:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	56.4	2.88	37.0	38.7	60.5	63.2	1	50.0-150			4.35	20
(S) o-Terphenyl					*64.5*	*61.7*		*18.0-148*				

Method Blank (MB)

(MB) R3832758-2 08/31/22 13:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00518	0.0200
Dalapon	U		0.00317	0.0200
2,4-DB	U		0.00908	0.0200
Dicamba	U		0.00431	0.0200
Dichloroprop	U		0.00333	0.0200
Dinoseb	U		0.00199	0.0200
MCPA	U		0.00342	0.0200
MCPP	U		0.00234	0.0200
2,4,5-T	U		0.00686	0.0200
2,4,5-TP (Silvex)	U		0.00171	0.0200
(S) 2,4-DB-D3	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3832758-1 08/31/22 12:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.200	0.199	99.5	70.0-130	
Dalapon	0.200	0.183	91.5	70.0-130	
2,4-DB	0.200	0.164	82.0	70.0-130	
Dicamba	0.200	0.186	93.0	70.0-130	
Dichloroprop	0.200	0.180	90.0	70.0-130	
Dinoseb	0.200	0.237	118	70.0-130	
MCPA	0.200	0.197	98.5	70.0-130	
MCPP	0.200	0.180	90.0	70.0-130	
2,4,5-T	0.200	0.194	97.0	70.0-130	
2,4,5-TP (Silvex)	0.200	0.165	82.5	70.0-130	
(S) 2,4-DB-D3			*114*	*70.0-130*	

L1529514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529514-01 08/31/22 13:53 • (MS) R3832758-3 08/31/22 14:12 • (MSD) R3832758-4 08/31/22 14:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.284	U	0.259	0.265	91.4	94.4	1	70.0-130			2.19	30
Dalapon	0.284	U	0.251	0.271	88.4	96.4	1	70.0-130			7.69	30
2,4-DB	0.284	U	0.224	0.241	78.8	85.7	1	70.0-130			7.41	30
Dicamba	0.284	U	0.264	0.275	92.9	98.0	1	70.0-130			4.26	30

L1529514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529514-01 08/31/22 13:53 • (MS) R3832758-3 08/31/22 14:12 • (MSD) R3832758-4 08/31/22 14:29

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dichloroprop	0.284	U	0.246	0.261	86.9	92.9	1	70.0-130			5.65	30
Dinoseb	0.284	U	0.332	0.327	117	116	1	70.0-130			1.74	30
MCPA	0.284	U	0.267	0.268	93.9	95.4	1	70.0-130			0.536	30
MCPP	0.284	U	0.248	0.259	87.4	92.3	1	70.0-130			4.52	30
2,4,5-T	0.284	U	0.251	0.259	88.4	92.3	1	70.0-130			3.37	30
2,4,5-TP (Silvex)	0.284	U	0.228	0.229	80.3	81.6	1	70.0-130			0.627	30
(S) 2,4-DB-D3					*102*	*108*		*70.0-130*				

Method Blank (MB)

(MB) R3836159-2 09/12/22 08:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*106*			*14.0-149*
(S) 2-Fluorobiphenyl	*107*			*34.0-125*
(S) p-Terphenyl-d14	*106*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3836159-1 09/12/22 08:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0679	84.9	50.0-126	
Acenaphthene	0.0800	0.0738	92.3	50.0-120	
Acenaphthylene	0.0800	0.0759	94.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0760	95.0	45.0-120	
Benzo(a)pyrene	0.0800	0.0721	90.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0715	89.4	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0664	83.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0662	82.8	49.0-125	
Chrysene	0.0800	0.0741	92.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0681	85.1	47.0-125	
Fluoranthene	0.0800	0.0750	93.8	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3836159-1 09/12/22 08:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0750	93.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0711	88.9	46.0-125	
Naphthalene	0.0800	0.0709	88.6	50.0-120	
Phenanthrene	0.0800	0.0652	81.5	47.0-120	
Pyrene	0.0800	0.0787	98.4	43.0-123	
1-Methylnaphthalene	0.0800	0.0712	89.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0750	93.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0688	86.0	50.0-120	
(S) Nitrobenzene-d5			*115*	*14.0-149*	
(S) 2-Fluorobiphenyl			*116*	*34.0-125*	
(S) p-Terphenyl-d14			*110*	*23.0-120*	

L1530171-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530171-12 09/12/22 08:45 • (MS) R3836159-3 09/12/22 09:03 • (MSD) R3836159-4 09/12/22 09:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0912	U	0.0591	0.0569	64.8	62.1	1	10.0-145			3.85	30
Acenaphthene	0.0912	U	0.0676	0.0658	74.1	71.8	1	14.0-127			2.64	27
Acenaphthylene	0.0912	U	0.0687	0.0685	75.4	74.7	1	21.0-124			0.342	25
Benzo(a)anthracene	0.0912	U	0.0634	0.0583	69.6	63.6	1	10.0-139			8.49	30
Benzo(a)pyrene	0.0912	U	0.0636	0.0599	69.7	65.4	1	10.0-141			5.90	31
Benzo(b)fluoranthene	0.0912	U	0.0538	0.0498	59.0	54.4	1	10.0-140			7.71	36
Benzo(g,h,i)perylene	0.0912	U	0.0518	0.0484	56.8	52.8	1	10.0-140			6.80	33
Benzo(k)fluoranthene	0.0912	U	0.0560	0.0524	61.5	57.2	1	10.0-137			6.72	31
Chrysene	0.0912	U	0.0644	0.0625	70.6	68.2	1	10.0-145			2.96	30
Dibenz(a,h)anthracene	0.0912	U	0.0562	0.0526	61.6	57.4	1	10.0-132			6.48	31
Fluoranthene	0.0912	U	0.0644	0.0616	70.6	67.2	1	10.0-153			4.48	33
Fluorene	0.0912	U	0.0654	0.0623	71.8	67.9	1	11.0-130			4.97	29
Indeno(1,2,3-cd)pyrene	0.0912	U	0.0551	0.0524	60.4	57.2	1	10.0-137			5.03	32
Naphthalene	0.0912	0.0156	0.0873	0.0874	78.6	78.3	1	10.0-135			0.135	27
Phenanthrene	0.0912	U	0.0576	0.0555	63.1	60.5	1	10.0-144			3.74	31
Pyrene	0.0912	U	0.0670	0.0650	73.5	70.9	1	10.0-148			3.03	35
1-Methylnaphthalene	0.0912	U	0.0714	0.0705	78.4	76.9	1	10.0-142			1.32	28
2-Methylnaphthalene	0.0912	0.00841	0.0802	0.0785	78.8	76.5	1	10.0-137			2.22	28
2-Chloronaphthalene	0.0912	U	0.0636	0.0612	69.7	66.8	1	29.0-120			3.77	24
(S) Nitrobenzene-d5					*97.9*	*90.3*		*14.0-149*				
(S) 2-Fluorobiphenyl					*94.9*	*84.4*		*34.0-125*				
(S) p-Terphenyl-d14					*85.4*	*73.1*		*23.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

GLOSSARY OF TERMS

Qualifier	Description
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.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
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:
HDR - Boise, ID
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to: **Tyler Allen**

Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description: **Simplot-- Sunnyside, WA**

City/State Collected: Sunnyside, WA

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project # 10302086

Lab Project # **HDRBID-SUNNYSIDE**

Collected by (print): Blake Uhl

Site/Facility ID # **SUNNYSIDE, WA**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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: Standard TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
P3Soil BH19-9-10-20220824-0	G	SS	9-10	08/24/22	16:50		✓	✓			✓	✓	✓		-01
P3Soil BH20-9-10-20220824-0	G	SS	9-10												-02
P3Soil BH26-12-13-20220824-0	G	SS	12-13												-03
P3Soil BH21-3-5 20220824-0	G	SS	3-5												-04
P3Soil BH21-12.5-15 20220824-0	G	SS	12.5-15												-05
P3Soil BH22-0-5 20220824-0	G	SS	0-5												-06
P3Soil BH22-12.5-15-20220824-0	G	SS	12.5-15												-07
P3Soil BH23-12.5-15 20220824-0	G	SS	12.5-15												-08
P3Soil BH 24-2-5 20220824-0	G	SS	2-5												-09
P3Soil BH 24-13-14.5-20220824-0	G	SS	13-14.5												-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Electronic VOC (PID Readings) Multiple Day Shipments

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 5913 6265 5692

Relinquished by : (Signature) — Date: 08/25/22 — Time: 13:45 — Received by: (Signature)

Trip Blank Received: Yes (No) HCL / MeoH TBR

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Temp: 4.6+W=4.6 °C — Bottles Received: 58

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature)

Date: 8/26/22 — Time: 9:40

Hold: — Condition: NCF (OK)

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

Chain of Custody Page 1 of 2

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/hubfs/pas-standard-terms.pdf

SDG # 61530171
K203

Acctnum: **HDRBID**
Template: **T214429**
Prelogin: **P943404**
PM: **841 - Kelly Mercer**
PB: CP 8-12-22
Shipped Via: **FedEx Ground**

Company Name/Address:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to:
Tyler Allen

Email To:
tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description:
Simplot-- Sunnyside, WA

City/State Collected:

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project #

Lab Project #
HDRBID-SUNNYSIDE

Collected by (print):

Site/Facility ID #
SUNNYSIDE, WA

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr			Remarks	Sample # (lab only)
P3SoilBH25-10-13-20220824	10 G	SS	10-13	08/24/22	17:55	4	✓	✓	✓	✓	✓	✓	✓				-11
P3Soil BH25-0-1-20220824	0 G	SS	0-1	08/24/22	18:05	4	↓	↓	↓	↓	↓	↓	↓				-12
P3Soil BH25-12-13-20220824	24.0 G	SS	12-13	08/24/22	18:15	4	↓	↓	↓	↓	↓	↓	↓				-13
~~Field~~ Blank (Lab)		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Chain of Custody Page 2 of 3

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/hubfs/pas-standard-terms.pdf

SDG # L1530171

Table #

Acctnum: **HDRBID**
Template: **T214429**
Prelogin: **P943404**
PM: **841 - Kelly Mercer**
PB: **DR 8-12-22**

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5913 6265 5692

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 4.6+0=4.6 Bottles Received: 58	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/26/22 Time: 9:00	Hold: Condition: NCF / OK

Company Name/Address:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to: **Tyler Allen**

Email To: **tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c**

Project Description: **Simplot - Sunnyside, WA**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project #

Lab Project # **HDRBID-SUNNYSIDE**

Collected by (print):

Site/Facility ID # **SUNNYSIDE, WA**

P.O. #

Collected by (signature):

Immediately Packed on Ice N____ Y____

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	Fe, Mn 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	ORP, pH, SPCON 8ozClr-NoPres	SV8151 8ozClr-NoPres	Sulfate 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
P3Soil BH9-10-13-20220825.0	G	SS	10-13	08/25/22	12:10	2	✓	✓	✓			✓		✓			-14
P3Soil BH11-1-5-20220825.0	G	SS	1-5	↓	12:20	2	✓	✓	✓			✓		✓			-15
P3Soil BH19-5-9-20220825.0	G	SS	5-9	↓	12:30	2	✓	✓	✓			✓		✓			-16
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Chain of Custody Page 5 of 7

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/hubfs/pas-standard-terms.pdf

SDG # L1530171

Table #

Acctnum: **HDRBID**
Template: **T214390**
Prelogin: **P943304**
PM: **841 - Kelly Mercer**
PB: KP 8/15/22
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5913 6265 5692

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 4.6+V=4.6 Bottles Received: 58	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/26/22 Time: 9:00	Hold: Condition: NCF / OK

ANALYTICAL REPORT

September 27, 2022

HDR - Boise, ID

Sample Delivery Group:	L1530282
Samples Received:	08/27/2022
Project Number:	10302086
Description:	Simplot-- Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

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.

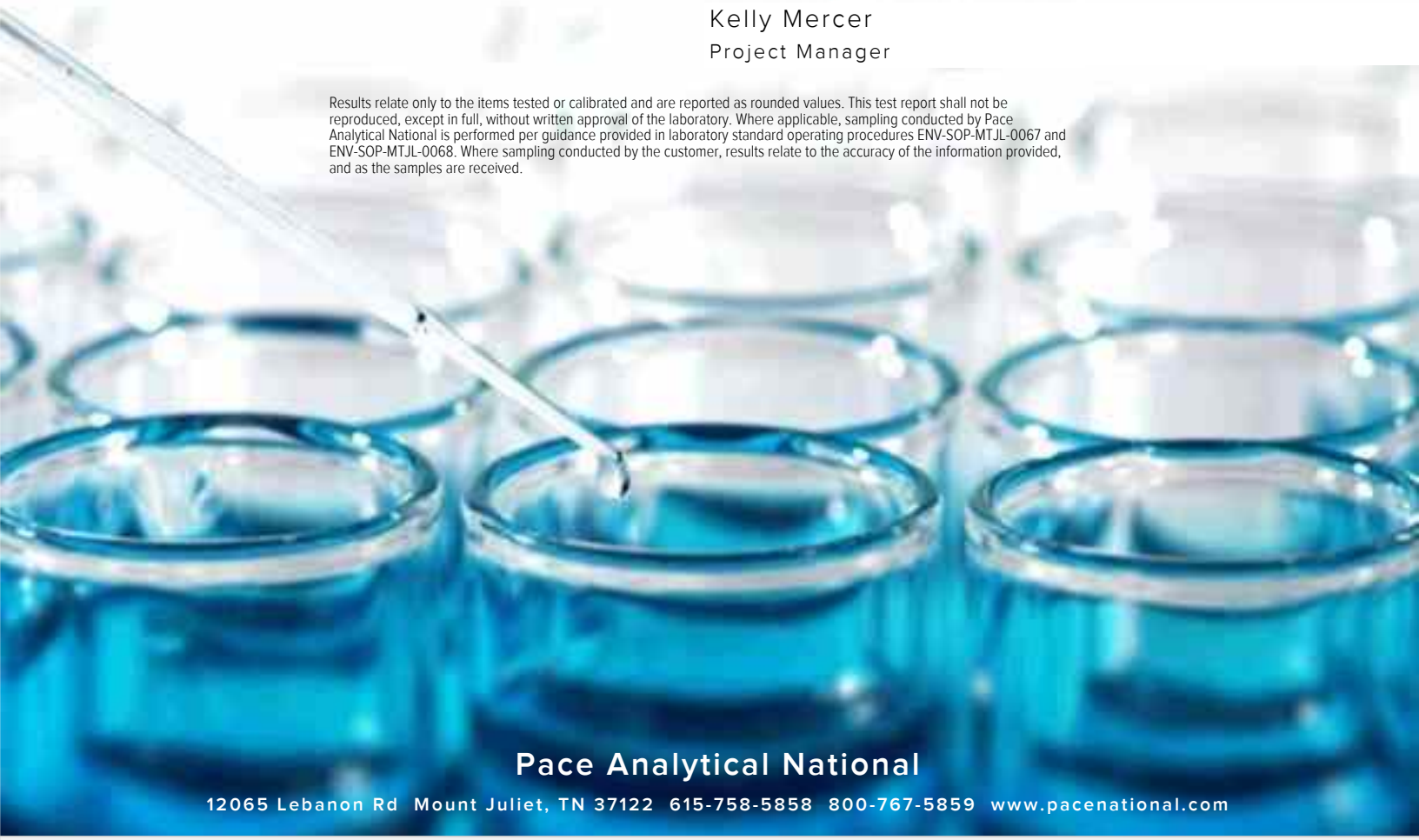


TABLE OF CONTENTS

P3SOILBH27-0-1-20220825-0 L1530282-01 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 17:45 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1923687	1	09/12/22 22:25	09/13/22 01:25	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 16:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/25/22 17:45	09/13/22 06:02	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924267	1	08/25/22 17:45	09/10/22 22:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 08:19	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 20:11	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 10:05	AMG	Mt. Juliet, TN

P3SOILBH28-10-15-20220825-0 L1530282-02 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 17:50 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 03:26	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 16:49	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	25	08/25/22 17:50	09/13/22 18:48	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1927111	2	08/25/22 17:50	09/16/22 23:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1929110	2	08/25/22 17:50	09/21/22 10:58	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 08:32	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 20:26	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 10:25	AMG	Mt. Juliet, TN

P3SOILBH29-0-3-20220825-0 L1530282-03 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:00 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 03:42	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	5	09/12/22 00:20	09/12/22 03:58	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 16:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	25	08/25/22 18:00	09/13/22 19:38	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1927111	1	08/25/22 18:00	09/17/22 00:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1929110	1	08/25/22 18:00	09/21/22 10:39	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 08:45	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 20:41	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 09:06	AMG	Mt. Juliet, TN

P3SOILBH30-5-10-20220825-0 L1530282-04 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:05 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 04:13	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 17:00	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/25/22 18:05	09/13/22 06:25	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924267	1	08/25/22 18:05	09/10/22 22:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 08:58	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 20:56	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 10:45	AMG	Mt. Juliet, TN

P3SOILBH31-5-7.5-20220825-0 L1530282-05 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:10 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 04:45	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 17:03	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/25/22 18:10	09/13/22 06:48	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924267	1	08/25/22 18:10	09/10/22 22:47	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 09:11	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 21:10	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 11:05	AMG	Mt. Juliet, TN

P3SOILBH31-12-14-20220825-0 L1530282-06 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:30 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 05:33	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 17:06	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	2500	08/25/22 18:30	09/13/22 21:32	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	20	08/25/22 18:30	09/11/22 03:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 09:24	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 21:25	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 11:25	AMG	Mt. Juliet, TN

P3SOILBH32-2-5-20220825-0 L1530282-07 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:40 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 05:49	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924910	1	09/19/22 16:49	09/20/22 17:08	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/25/22 18:40	09/13/22 07:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	1	08/25/22 18:40	09/11/22 00:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 09:37	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 21:40	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 11:45	AMG	Mt. Juliet, TN

P3SOILBH33-1-3-20220825-0 L1530282-08 Solid

Collected by: Blake Urie | Collected date/time: 08/25/22 18:50 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924115	1	09/12/22 07:33	09/12/22 07:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1.02	09/12/22 00:20	09/12/22 06:05	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	5.1	09/12/22 00:20	09/12/22 06:21	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 16:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/25/22 18:50	09/13/22 07:34	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	1	08/25/22 18:50	09/11/22 00:26	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 09:51	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 21:55	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 12:05	AMG	Mt. Juliet, TN

P3SOILBH34-14-15-20220826-0 L1530282-09 Solid

Collected by: Blake Urie | Collected date/time: 08/26/22 11:40 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 06:37	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 16:50	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/26/22 11:40	09/13/22 08:06	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	1	08/26/22 11:40	09/11/22 00:45	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 10:04	TJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 22:09	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 12:25	AMG	Mt. Juliet, TN

P3SOILBH35-5-10-20220826-0 L1530282-10 Solid

Collected by: Blake Urie | Collected date/time: 08/26/22 11:30 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 06:53	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	.862	09/13/22 03:01	09/18/22 16:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	25	08/26/22 11:30	09/13/22 08:29	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	1	08/26/22 11:30	09/11/22 01:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 10:43	TJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 22:24	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 12:44	AMG	Mt. Juliet, TN

P3SOILBH36-10-13-20220826-0 L1530282-11 Solid

Collected by: Blake Urie | Collected date/time: 08/26/22 11:20 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 07:08	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 17:01	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1924071	100	08/26/22 11:20	09/13/22 10:10	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	8	08/26/22 11:20	09/11/22 04:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924563	100	08/26/22 11:20	09/12/22 16:09	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 11:03	TJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 23:23	CCW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/09/22 22:02	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 13:04	AMG	Mt. Juliet, TN

P3SOILBH36-13-15-20220826-0 L1530282-12 Solid

Collected by: Blake Urie | Collected date/time: 08/26/22 11:10 | Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1	09/12/22 00:20	09/12/22 07:40	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 17:04	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	25	08/26/22 11:10	09/13/22 20:00	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924268	8	08/26/22 11:10	09/11/22 04:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1924563	8	08/26/22 11:10	09/12/22 16:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 11:16	TJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1921213	1	09/03/22 18:57	09/06/22 23:38	CCW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 13:24	AMG	Mt. Juliet, TN

P3SOILSURFACE 1 20220826-0 L1530282-13 Solid

Collected by: Blake Urie
Collected date/time: 08/26/22 12:20
Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	100	09/12/22 00:20	09/12/22 08:44	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 17:06	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	25	09/09/22 15:36	09/13/22 20:23	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1926772	1	09/09/22 15:36	09/15/22 17:46	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 12:21	TJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1925979	1	09/15/22 12:06	09/20/22 21:03	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 15:23	AMG	Mt. Juliet, TN

P3SOILSURFACE 2 20220826-0 L1530282-14 Solid

Collected by: Blake Urie
Collected date/time: 08/26/22 12:25
Received date/time: 08/27/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1924166	1	09/12/22 15:35	09/12/22 15:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	103	09/12/22 00:20	09/12/22 09:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1924574	1030	09/12/22 00:20	09/12/22 18:53	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1924913	1	09/13/22 03:01	09/18/22 17:09	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1925672	25	09/09/22 15:36	09/13/22 20:46	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1926772	1	09/09/22 15:36	09/15/22 18:06	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1923912	1	09/09/22 20:08	09/10/22 12:08	NH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG1925979	1	09/15/22 12:06	09/21/22 00:15	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1923945	1	09/09/22 21:44	09/10/22 15:04	AMG	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	Batch
	%			date / time	
Total Solids	74.0		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	35.6		1.43	27.0	1	09/13/2022 01:25	WG1923687
Sulfate	147		17.4	67.6	1	09/13/2022 01:25	WG1923687

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.86		0.700	2.70	1	09/20/2022 16:47	WG1924910
Cadmium	0.333	J	0.0637	0.676	1	09/20/2022 16:47	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.79	B J	1.52	4.48	25	09/13/2022 06:02	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*09/13/2022 06:02*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4 T8	0.0654	0.0896	1	09/10/2022 22:10	WG1924267
Acrylonitrile	U	J3 J4 T8	0.00647	0.0224	1	09/10/2022 22:10	WG1924267
Benzene	0.00416	T8	0.000837	0.00179	1	09/10/2022 22:10	WG1924267
Bromobenzene	U	T8	0.00161	0.0224	1	09/10/2022 22:10	WG1924267
Bromodichloromethane	U	T8	0.00130	0.00448	1	09/10/2022 22:10	WG1924267
Bromoform	U	T8	0.00210	0.0448	1	09/10/2022 22:10	WG1924267
Bromomethane	U	C3 J3 T8	0.00353	0.0224	1	09/10/2022 22:10	WG1924267
n-Butylbenzene	U	T8	0.00941	0.0224	1	09/10/2022 22:10	WG1924267
sec-Butylbenzene	U	T8	0.00516	0.0224	1	09/10/2022 22:10	WG1924267
tert-Butylbenzene	U	T8	0.00349	0.00896	1	09/10/2022 22:10	WG1924267
Carbon tetrachloride	U	T8	0.00161	0.00896	1	09/10/2022 22:10	WG1924267
Chlorobenzene	U	T8	0.000376	0.00448	1	09/10/2022 22:10	WG1924267
Chlorodibromomethane	U	T8	0.00110	0.00448	1	09/10/2022 22:10	WG1924267
Chloroethane	U	C3 T8	0.00305	0.00896	1	09/10/2022 22:10	WG1924267
Chloroform	U	T8	0.00185	0.00448	1	09/10/2022 22:10	WG1924267
Chloromethane	U	C3 T8	0.00780	0.0224	1	09/10/2022 22:10	WG1924267
2-Chlorotoluene	U	T8	0.00155	0.00448	1	09/10/2022 22:10	WG1924267
4-Chlorotoluene	U	T8	0.000806	0.00896	1	09/10/2022 22:10	WG1924267
1,2-Dibromo-3-Chloropropane	U	T8	0.00699	0.0448	1	09/10/2022 22:10	WG1924267
1,2-Dibromoethane	U	T8	0.00116	0.00448	1	09/10/2022 22:10	WG1924267
Dibromomethane	U	T8	0.00134	0.00896	1	09/10/2022 22:10	WG1924267
1,2-Dichlorobenzene	U	T8	0.000762	0.00896	1	09/10/2022 22:10	WG1924267
1,3-Dichlorobenzene	U	T8	0.00108	0.00896	1	09/10/2022 22:10	WG1924267
1,4-Dichlorobenzene	U	T8	0.00125	0.00896	1	09/10/2022 22:10	WG1924267
Dichlorodifluoromethane	U	T8	0.00289	0.00448	1	09/10/2022 22:10	WG1924267
1,1-Dichloroethane	U	T8	0.000880	0.00448	1	09/10/2022 22:10	WG1924267
1,2-Dichloroethane	U	T8	0.00116	0.00448	1	09/10/2022 22:10	WG1924267
1,1-Dichloroethene	U	T8	0.00109	0.00448	1	09/10/2022 22:10	WG1924267
cis-1,2-Dichloroethene	U	T8	0.00132	0.00448	1	09/10/2022 22:10	WG1924267
trans-1,2-Dichloroethene	U	T8	0.00186	0.00896	1	09/10/2022 22:10	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	J4 T8	0.00254	0.00896	1	09/10/2022 22:10	WG1924267
1,1-Dichloropropene	U	T8	0.00145	0.00448	1	09/10/2022 22:10	WG1924267
1,3-Dichloropropane	U	T8	0.000898	0.00896	1	09/10/2022 22:10	WG1924267
cis-1,3-Dichloropropene	U	T8	0.00136	0.00448	1	09/10/2022 22:10	WG1924267
trans-1,3-Dichloropropene	U	T8	0.00204	0.00896	1	09/10/2022 22:10	WG1924267
2,2-Dichloropropane	U	T8	0.00247	0.00448	1	09/10/2022 22:10	WG1924267
Di-isopropyl ether	U	T8	0.000735	0.00179	1	09/10/2022 22:10	WG1924267
Ethylbenzene	0.00466	T8	0.00132	0.00448	1	09/10/2022 22:10	WG1924267
Hexachloro-1,3-butadiene	U	C3 T8	0.0108	0.0448	1	09/10/2022 22:10	WG1924267
Isopropylbenzene	U	T8	0.000762	0.00448	1	09/10/2022 22:10	WG1924267
p-Isopropyltoluene	U	T8	0.00457	0.00896	1	09/10/2022 22:10	WG1924267
2-Butanone (MEK)	U	J4 T8	0.114	0.179	1	09/10/2022 22:10	WG1924267
Methylene Chloride	U	T8	0.0119	0.0448	1	09/10/2022 22:10	WG1924267
4-Methyl-2-pentanone (MIBK)	U	T8	0.00409	0.0448	1	09/10/2022 22:10	WG1924267
Methyl tert-butyl ether	U	T8	0.000627	0.00179	1	09/10/2022 22:10	WG1924267
Naphthalene	U	J3 T8	0.00874	0.0224	1	09/10/2022 22:10	WG1924267
n-Propylbenzene	U	T8	0.00170	0.00896	1	09/10/2022 22:10	WG1924267
Styrene	U	T8	0.000410	0.0224	1	09/10/2022 22:10	WG1924267
1,1,1,2-Tetrachloroethane	U	T8	0.00170	0.00448	1	09/10/2022 22:10	WG1924267
1,1,2,2-Tetrachloroethane	U	T8	0.00125	0.00448	1	09/10/2022 22:10	WG1924267
1,1,2-Trichlorotrifluoroethane	U	T8	0.00135	0.00448	1	09/10/2022 22:10	WG1924267
Tetrachloroethene	U	T8	0.00161	0.00448	1	09/10/2022 22:10	WG1924267
Toluene	0.00240	J T8	0.00233	0.00896	1	09/10/2022 22:10	WG1924267
1,2,3-Trichlorobenzene	U	J3 T8	0.0131	0.0224	1	09/10/2022 22:10	WG1924267
1,2,4-Trichlorobenzene	U	T8	0.00788	0.0224	1	09/10/2022 22:10	WG1924267
1,1,1-Trichloroethane	U	T8	0.00165	0.00448	1	09/10/2022 22:10	WG1924267
1,1,2-Trichloroethane	U	T8	0.00107	0.00448	1	09/10/2022 22:10	WG1924267
Trichloroethene	U	T8	0.00105	0.00179	1	09/10/2022 22:10	WG1924267
Trichlorofluoromethane	U	T8	0.00148	0.00448	1	09/10/2022 22:10	WG1924267
1,2,3-Trichloropropane	U	T8	0.00290	0.0224	1	09/10/2022 22:10	WG1924267
1,2,4-Trimethylbenzene	0.00366	J T8	0.00283	0.00896	1	09/10/2022 22:10	WG1924267
1,2,3-Trimethylbenzene	U	T8	0.00283	0.00896	1	09/10/2022 22:10	WG1924267
1,3,5-Trimethylbenzene	U	T8	0.00358	0.00896	1	09/10/2022 22:10	WG1924267
Vinyl chloride	U	T8	0.00208	0.00448	1	09/10/2022 22:10	WG1924267
Xylenes, Total	0.00373	J	0.00158	0.0116	1	09/10/2022 22:10	WG1924267
(S) Toluene-d8	*102*			*75.0-131*		*09/10/2022 22:10*	WG1924267
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2022 22:10*	WG1924267
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*09/10/2022 22:10*	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	T8	1.80	5.41	1	09/10/2022 08:19	WG1923912
Residual Range Organics (RRO)	U	T8	4.50	13.5	1	09/10/2022 08:19	WG1923912
(S) o-Terphenyl	*61.4*			*18.0-148*		*09/10/2022 08:19*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00949	0.0947	1	09/06/2022 20:11	WG1921213
Dalapon	U		0.0153	0.0947	1	09/06/2022 20:11	WG1921213
2,4-DB	U		0.0402	0.0947	1	09/06/2022 20:11	WG1921213
Dicamba	U		0.0212	0.0947	1	09/06/2022 20:11	WG1921213
Dichloroprop	U		0.0331	0.0947	1	09/06/2022 20:11	WG1921213
Dinoseb	U		0.00942	0.0947	1	09/06/2022 20:11	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.599	8.79	1	09/06/2022 20:11	WG1921213
MCPP	U		0.496	8.79	1	09/06/2022 20:11	WG1921213
2,4,5-T	U	J4	0.0115	0.0947	1	09/06/2022 20:11	WG1921213
2,4,5-TP (Silvex)	U		0.0145	0.0947	1	09/06/2022 20:11	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*86.2*			*22.0-132*		*09/06/2022 20:11*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00311	0.00811	1	09/10/2022 10:05	WG1923945
Acenaphthene	U	T8	0.00283	0.00811	1	09/10/2022 10:05	WG1923945
Acenaphthylene	U	T8	0.00292	0.00811	1	09/10/2022 10:05	WG1923945
Benzo(a)anthracene	U	T8	0.00234	0.00811	1	09/10/2022 10:05	WG1923945
Benzo(a)pyrene	U	T8	0.00242	0.00811	1	09/10/2022 10:05	WG1923945
Benzo(b)fluoranthene	U	T8	0.00207	0.00811	1	09/10/2022 10:05	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00239	0.00811	1	09/10/2022 10:05	WG1923945
Benzo(k)fluoranthene	U	T8	0.00291	0.00811	1	09/10/2022 10:05	WG1923945
Chrysene	U	T8	0.00314	0.00811	1	09/10/2022 10:05	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00233	0.00811	1	09/10/2022 10:05	WG1923945
Fluoranthene	U	T8	0.00307	0.00811	1	09/10/2022 10:05	WG1923945
Fluorene	U	T8	0.00277	0.00811	1	09/10/2022 10:05	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00245	0.00811	1	09/10/2022 10:05	WG1923945
Naphthalene	U	T8	0.00552	0.0270	1	09/10/2022 10:05	WG1923945
Phenanthrene	U	T8	0.00312	0.00811	1	09/10/2022 10:05	WG1923945
Pyrene	U	T8	0.00270	0.00811	1	09/10/2022 10:05	WG1923945
1-Methylnaphthalene	U	T8	0.00607	0.0270	1	09/10/2022 10:05	WG1923945
2-Methylnaphthalene	U	T8	0.00577	0.0270	1	09/10/2022 10:05	WG1923945
2-Chloronaphthalene	U	T8	0.00630	0.0270	1	09/10/2022 10:05	WG1923945
(S) Nitrobenzene-d5	*44.7*			*14.0-149*		*09/10/2022 10:05*	WG1923945
(S) 2-Fluorobiphenyl	*31.5*	J2		*34.0-125*		*09/10/2022 10:05*	WG1923945
(S) p-Terphenyl-d14	*21.1*	J2		*23.0-120*		*09/10/2022 10:05*	WG1923945

Sample Narrative:

L1530282-01 WG1923945: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.6		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	11.5	J	1.40	26.5	1	09/12/2022 03:26	WG1924574
Sulfate	228		17.1	66.2	1	09/12/2022 03:26	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.4		0.685	2.65	1	09/20/2022 16:49	WG1924910
Cadmium	0.172	J	0.0623	0.662	1	09/20/2022 16:49	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	109		1.47	4.34	25	09/13/2022 18:48	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*		*09/13/2022 18:48*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.127	0.174	2	09/21/2022 10:58	WG1929110
Acrylonitrile	U	J3 T8	0.0124	0.0429	2	09/16/2022 23:50	WG1927111
Benzene	0.00198	J T8	0.00160	0.00344	2	09/16/2022 23:50	WG1927111
Bromobenzene	U	T8	0.00309	0.0429	2	09/16/2022 23:50	WG1927111
Bromodichloromethane	U	T8	0.00249	0.00859	2	09/16/2022 23:50	WG1927111
Bromoform	U	T8	0.00402	0.0859	2	09/16/2022 23:50	WG1927111
Bromomethane	U	T8	0.00677	0.0429	2	09/16/2022 23:50	WG1927111
n-Butylbenzene	0.116	T8	0.0180	0.0429	2	09/16/2022 23:50	WG1927111
sec-Butylbenzene	0.125	T8	0.00989	0.0429	2	09/16/2022 23:50	WG1927111
tert-Butylbenzene	U	T8	0.00670	0.0172	2	09/16/2022 23:50	WG1927111
Carbon tetrachloride	U	T8	0.00309	0.0172	2	09/16/2022 23:50	WG1927111
Chlorobenzene	U	T8	0.000721	0.00859	2	09/16/2022 23:50	WG1927111
Chlorodibromomethane	U	T8	0.00210	0.00859	2	09/16/2022 23:50	WG1927111
Chloroethane	U	T8	0.00584	0.0172	2	09/16/2022 23:50	WG1927111
Chloroform	U	T8	0.00354	0.00859	2	09/16/2022 23:50	WG1927111
Chloromethane	U	T8	0.0149	0.0429	2	09/16/2022 23:50	WG1927111
2-Chlorotoluene	U	T8	0.00297	0.00859	2	09/16/2022 23:50	WG1927111
4-Chlorotoluene	U	T8	0.00155	0.0172	2	09/16/2022 23:50	WG1927111
1,2-Dibromo-3-Chloropropane	U	J3 T8	0.0134	0.0859	2	09/16/2022 23:50	WG1927111
1,2-Dibromoethane	U	T8	0.00223	0.00859	2	09/16/2022 23:50	WG1927111
Dibromomethane	U	T8	0.00258	0.0172	2	09/16/2022 23:50	WG1927111
1,2-Dichlorobenzene	U	T8	0.00146	0.0172	2	09/16/2022 23:50	WG1927111
1,3-Dichlorobenzene	U	T8	0.00206	0.0172	2	09/16/2022 23:50	WG1927111
1,4-Dichlorobenzene	U	T8	0.00240	0.0172	2	09/16/2022 23:50	WG1927111
Dichlorodifluoromethane	U	T8	0.00553	0.00859	2	09/16/2022 23:50	WG1927111
1,1-Dichloroethane	U	T8	0.00169	0.00859	2	09/16/2022 23:50	WG1927111
1,2-Dichloroethane	U	T8	0.00223	0.00859	2	09/16/2022 23:50	WG1927111
1,1-Dichloroethene	U	T8	0.00208	0.00859	2	09/16/2022 23:50	WG1927111
cis-1,2-Dichloroethene	U	T8	0.00252	0.00859	2	09/16/2022 23:50	WG1927111
trans-1,2-Dichloroethene	U	T8	0.00357	0.0172	2	09/16/2022 23:50	WG1927111

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00488	0.0172	2	09/16/2022 23:50	WG1927111
1,1-Dichloropropene	U	T8	0.00278	0.00859	2	09/16/2022 23:50	WG1927111
1,3-Dichloropropane	U	T8	0.00172	0.0172	2	09/16/2022 23:50	WG1927111
cis-1,3-Dichloropropene	U	T8	0.00259	0.00859	2	09/16/2022 23:50	WG1927111
trans-1,3-Dichloropropene	U	T8	0.00392	0.0172	2	09/16/2022 23:50	WG1927111
2,2-Dichloropropane	U	T8	0.00474	0.00859	2	09/16/2022 23:50	WG1927111
Di-isopropyl ether	U	T8	0.00141	0.00344	2	09/16/2022 23:50	WG1927111
Ethylbenzene	0.00254	J T8	0.00252	0.00859	2	09/16/2022 23:50	WG1927111
Hexachloro-1,3-butadiene	U	T8	0.0206	0.0859	2	09/16/2022 23:50	WG1927111
Isopropylbenzene	0.0744	T8	0.00146	0.00859	2	09/16/2022 23:50	WG1927111
p-Isopropyltoluene	0.0960	T8	0.00876	0.0172	2	09/16/2022 23:50	WG1927111
2-Butanone (MEK)	U	T8	0.218	0.344	2	09/16/2022 23:50	WG1927111
Methylene Chloride	U	T8	0.0228	0.0859	2	09/16/2022 23:50	WG1927111
4-Methyl-2-pentanone (MIBK)	U	T8	0.00783	0.0859	2	09/16/2022 23:50	WG1927111
Methyl tert-butyl ether	U	T8	0.00120	0.00344	2	09/16/2022 23:50	WG1927111
Naphthalene	0.0465	C3 J3 J4 T8	0.0168	0.0429	2	09/16/2022 23:50	WG1927111
n-Propylbenzene	0.0240	T8	0.00326	0.0172	2	09/16/2022 23:50	WG1927111
Styrene	U	T8	0.000787	0.0429	2	09/16/2022 23:50	WG1927111
1,1,1,2-Tetrachloroethane	U	T8	0.00326	0.00859	2	09/16/2022 23:50	WG1927111
1,1,2,2-Tetrachloroethane	U	T8	0.00239	0.00859	2	09/16/2022 23:50	WG1927111
1,1,2-Trichlorotrifluoroethane	U	T8	0.00259	0.00859	2	09/16/2022 23:50	WG1927111
Tetrachloroethene	U	T8	0.00307	0.00859	2	09/16/2022 23:50	WG1927111
Toluene	U	T8	0.00447	0.0172	2	09/16/2022 23:50	WG1927111
1,2,3-Trichlorobenzene	U	J3 T8	0.0252	0.0429	2	09/16/2022 23:50	WG1927111
1,2,4-Trichlorobenzene	U	C3 T8	0.0151	0.0429	2	09/16/2022 23:50	WG1927111
1,1,1-Trichloroethane	U	T8	0.00318	0.00859	2	09/16/2022 23:50	WG1927111
1,1,2-Trichloroethane	U	T8	0.00204	0.00859	2	09/16/2022 23:50	WG1927111
Trichloroethene	U	T8	0.00201	0.00344	2	09/16/2022 23:50	WG1927111
Trichlorofluoromethane	U	T8	0.00283	0.00859	2	09/16/2022 23:50	WG1927111
1,2,3-Trichloropropane	U	T8	0.00557	0.0429	2	09/16/2022 23:50	WG1927111
1,2,4-Trimethylbenzene	0.00761	J T8	0.00543	0.0172	2	09/16/2022 23:50	WG1927111
1,2,3-Trimethylbenzene	0.0969	T8	0.00543	0.0172	2	09/16/2022 23:50	WG1927111
1,3,5-Trimethylbenzene	0.0945	T8	0.00687	0.0172	2	09/16/2022 23:50	WG1927111
Vinyl chloride	U	T8	0.00398	0.00859	2	09/16/2022 23:50	WG1927111
Xylenes, Total	U		0.00302	0.0223	2	09/16/2022 23:50	WG1927111
(S) Toluene-d8	*103*			*75.0-131*		*09/16/2022 23:50*	WG1927111
(S) Toluene-d8	*108*			*75.0-131*		*09/21/2022 10:58*	WG1929110
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/16/2022 23:50*	WG1927111
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/21/2022 10:58*	WG1929110
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/16/2022 23:50*	WG1927111
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/21/2022 10:58*	WG1929110

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	47.8	T8	1.76	5.29	1	09/10/2022 08:32	WG1923912
Residual Range Organics (RRO)	U	T8	4.41	13.2	1	09/10/2022 08:32	WG1923912
(S) o-Terphenyl	*76.0*			*18.0-148*		*09/10/2022 08:32*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00929	0.0926	1	09/06/2022 20:26	WG1921213
Dalapon	U		0.0150	0.0926	1	09/06/2022 20:26	WG1921213
2,4-DB	U		0.0393	0.0926	1	09/06/2022 20:26	WG1921213
Dicamba	U		0.0208	0.0926	1	09/06/2022 20:26	WG1921213
Dichloroprop	U		0.0324	0.0926	1	09/06/2022 20:26	WG1921213
Dinoseb	U		0.00922	0.0926	1	09/06/2022 20:26	WG1921213
MCPA	U		0.586	8.60	1	09/06/2022 20:26	WG1921213
MCPP	U		0.486	8.60	1	09/06/2022 20:26	WG1921213
2,4,5-T	U	J4	0.0113	0.0926	1	09/06/2022 20:26	WG1921213
2,4,5-TP (Silvex)	U		0.0142	0.0926	1	09/06/2022 20:26	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*84.9*			*22.0-132*		*09/06/2022 20:26*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00304	0.00794	1	09/10/2022 10:25	WG1923945
Acenaphthene	U	T8	0.00277	0.00794	1	09/10/2022 10:25	WG1923945
Acenaphthylene	U	T8	0.00286	0.00794	1	09/10/2022 10:25	WG1923945
Benzo(a)anthracene	U	T8	0.00229	0.00794	1	09/10/2022 10:25	WG1923945
Benzo(a)pyrene	U	T8	0.00237	0.00794	1	09/10/2022 10:25	WG1923945
Benzo(b)fluoranthene	U	T8	0.00202	0.00794	1	09/10/2022 10:25	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00234	0.00794	1	09/10/2022 10:25	WG1923945
Benzo(k)fluoranthene	U	T8	0.00284	0.00794	1	09/10/2022 10:25	WG1923945
Chrysene	U	T8	0.00307	0.00794	1	09/10/2022 10:25	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00228	0.00794	1	09/10/2022 10:25	WG1923945
Fluoranthene	U	T8	0.00300	0.00794	1	09/10/2022 10:25	WG1923945
Fluorene	U	T8	0.00271	0.00794	1	09/10/2022 10:25	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00240	0.00794	1	09/10/2022 10:25	WG1923945
Naphthalene	0.206	T8	0.00540	0.0265	1	09/10/2022 10:25	WG1923945
Phenanthrene	U	T8	0.00306	0.00794	1	09/10/2022 10:25	WG1923945
Pyrene	U	T8	0.00265	0.00794	1	09/10/2022 10:25	WG1923945
1-Methylnaphthalene	0.185	T8	0.00594	0.0265	1	09/10/2022 10:25	WG1923945
2-Methylnaphthalene	0.373	T8	0.00565	0.0265	1	09/10/2022 10:25	WG1923945
2-Chloronaphthalene	U	T8	0.00617	0.0265	1	09/10/2022 10:25	WG1923945
(S) Nitrobenzene-d5	*54.6*			*14.0-149*		*09/10/2022 10:25*	WG1923945
(S) 2-Fluorobiphenyl	*41.7*			*34.0-125*		*09/10/2022 10:25*	WG1923945
(S) p-Terphenyl-d14	*43.7*			*23.0-120*		*09/10/2022 10:25*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	535		7.23	136	5	09/12/2022 03:58	WG1924574
Sulfate	555		17.6	68.2	1	09/12/2022 03:42	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.52		0.707	2.73	1	09/20/2022 16:52	WG1924910
Cadmium	0.263	J	0.0642	0.682	1	09/20/2022 16:52	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.79	B J	1.54	4.54	25	09/13/2022 19:38	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/13/2022 19:38*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0663	0.0908	1	09/21/2022 10:39	WG1929110
Acrylonitrile	U	J3 T8	0.00647	0.0224	1	09/17/2022 00:10	WG1927111
Benzene	0.00145	J T8	0.000837	0.00179	1	09/17/2022 00:10	WG1927111
Bromobenzene	U	T8	0.00161	0.0224	1	09/17/2022 00:10	WG1927111
Bromodichloromethane	U	T8	0.00130	0.00448	1	09/17/2022 00:10	WG1927111
Bromoform	U	T8	0.00210	0.0448	1	09/17/2022 00:10	WG1927111
Bromomethane	U	T8	0.00353	0.0224	1	09/17/2022 00:10	WG1927111
n-Butylbenzene	U	T8	0.00941	0.0224	1	09/17/2022 00:10	WG1927111
sec-Butylbenzene	U	T8	0.00516	0.0224	1	09/17/2022 00:10	WG1927111
tert-Butylbenzene	U	T8	0.00349	0.00896	1	09/17/2022 00:10	WG1927111
Carbon tetrachloride	U	T8	0.00161	0.00896	1	09/17/2022 00:10	WG1927111
Chlorobenzene	U	T8	0.000376	0.00448	1	09/17/2022 00:10	WG1927111
Chlorodibromomethane	U	T8	0.00110	0.00448	1	09/17/2022 00:10	WG1927111
Chloroethane	U	T8	0.00305	0.00896	1	09/17/2022 00:10	WG1927111
Chloroform	U	T8	0.00185	0.00448	1	09/17/2022 00:10	WG1927111
Chloromethane	U	T8	0.00780	0.0224	1	09/17/2022 00:10	WG1927111
2-Chlorotoluene	U	T8	0.00155	0.00448	1	09/17/2022 00:10	WG1927111
4-Chlorotoluene	U	T8	0.000807	0.00896	1	09/17/2022 00:10	WG1927111
1,2-Dibromo-3-Chloropropane	U	J3 T8	0.00699	0.0448	1	09/17/2022 00:10	WG1927111
1,2-Dibromoethane	U	T8	0.00116	0.00448	1	09/17/2022 00:10	WG1927111
Dibromomethane	U	T8	0.00134	0.00896	1	09/17/2022 00:10	WG1927111
1,2-Dichlorobenzene	0.00450	J T8	0.000762	0.00896	1	09/17/2022 00:10	WG1927111
1,3-Dichlorobenzene	U	T8	0.00108	0.00896	1	09/17/2022 00:10	WG1927111
1,4-Dichlorobenzene	U	T8	0.00125	0.00896	1	09/17/2022 00:10	WG1927111
Dichlorodifluoromethane	U	T8	0.00289	0.00448	1	09/17/2022 00:10	WG1927111
1,1-Dichloroethane	U	T8	0.000880	0.00448	1	09/17/2022 00:10	WG1927111
1,2-Dichloroethane	U	T8	0.00116	0.00448	1	09/17/2022 00:10	WG1927111
1,1-Dichloroethene	U	T8	0.00109	0.00448	1	09/17/2022 00:10	WG1927111
cis-1,2-Dichloroethene	U	T8	0.00132	0.00448	1	09/17/2022 00:10	WG1927111
trans-1,2-Dichloroethene	U	T8	0.00186	0.00896	1	09/17/2022 00:10	WG1927111

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00254	0.00896	1	09/17/2022 00:10	WG1927111
1,1-Dichloropropene	U	T8	0.00145	0.00448	1	09/17/2022 00:10	WG1927111
1,3-Dichloropropane	U	T8	0.000898	0.00896	1	09/17/2022 00:10	WG1927111
cis-1,3-Dichloropropene	U	T8	0.00136	0.00448	1	09/17/2022 00:10	WG1927111
trans-1,3-Dichloropropene	U	T8	0.00204	0.00896	1	09/17/2022 00:10	WG1927111
2,2-Dichloropropane	U	T8	0.00247	0.00448	1	09/17/2022 00:10	WG1927111
Di-isopropyl ether	U	T8	0.000735	0.00179	1	09/17/2022 00:10	WG1927111
Ethylbenzene	0.00149	J T8	0.00132	0.00448	1	09/17/2022 00:10	WG1927111
Hexachloro-1,3-butadiene	U	T8	0.0108	0.0448	1	09/17/2022 00:10	WG1927111
Isopropylbenzene	U	T8	0.000762	0.00448	1	09/17/2022 00:10	WG1927111
p-Isopropyltoluene	U	T8	0.00457	0.00896	1	09/17/2022 00:10	WG1927111
2-Butanone (MEK)	U	T8	0.114	0.179	1	09/17/2022 00:10	WG1927111
Methylene Chloride	U	T8	0.0119	0.0448	1	09/17/2022 00:10	WG1927111
4-Methyl-2-pentanone (MIBK)	U	T8	0.00409	0.0448	1	09/17/2022 00:10	WG1927111
Methyl tert-butyl ether	U	T8	0.000627	0.00179	1	09/17/2022 00:10	WG1927111
Naphthalene	U	C3 J3 J4 T8	0.00875	0.0224	1	09/17/2022 00:10	WG1927111
n-Propylbenzene	U	T8	0.00170	0.00896	1	09/17/2022 00:10	WG1927111
Styrene	U	T8	0.000410	0.0224	1	09/17/2022 00:10	WG1927111
1,1,1,2-Tetrachloroethane	U	T8	0.00170	0.00448	1	09/17/2022 00:10	WG1927111
1,1,2,2-Tetrachloroethane	U	T8	0.00125	0.00448	1	09/17/2022 00:10	WG1927111
1,1,2-Trichlorotrifluoroethane	U	T8	0.00135	0.00448	1	09/17/2022 00:10	WG1927111
Tetrachloroethene	U	T8	0.00161	0.00448	1	09/17/2022 00:10	WG1927111
Toluene	U	T8	0.00233	0.00896	1	09/17/2022 00:10	WG1927111
1,2,3-Trichlorobenzene	U	J3 T8	0.0131	0.0224	1	09/17/2022 00:10	WG1927111
1,2,4-Trichlorobenzene	U	C3 T8	0.00789	0.0224	1	09/17/2022 00:10	WG1927111
1,1,1-Trichloroethane	U	T8	0.00165	0.00448	1	09/17/2022 00:10	WG1927111
1,1,2-Trichloroethane	U	T8	0.00107	0.00448	1	09/17/2022 00:10	WG1927111
Trichloroethene	U	T8	0.00105	0.00179	1	09/17/2022 00:10	WG1927111
Trichlorofluoromethane	U	T8	0.00148	0.00448	1	09/17/2022 00:10	WG1927111
1,2,3-Trichloropropane	U	T8	0.00290	0.0224	1	09/17/2022 00:10	WG1927111
1,2,4-Trimethylbenzene	U	T8	0.00283	0.00896	1	09/17/2022 00:10	WG1927111
1,2,3-Trimethylbenzene	U	T8	0.00283	0.00896	1	09/17/2022 00:10	WG1927111
1,3,5-Trimethylbenzene	U	T8	0.00358	0.00896	1	09/17/2022 00:10	WG1927111
Vinyl chloride	U	T8	0.00208	0.00448	1	09/17/2022 00:10	WG1927111
Xylenes, Total	U		0.00158	0.0116	1	09/17/2022 00:10	WG1927111
(S) Toluene-d8	*99.3*			*75.0-131*		*09/17/2022 00:10*	WG1927111
(S) Toluene-d8	*108*			*75.0-131*		*09/21/2022 10:39*	WG1929110
(S) 4-Bromofluorobenzene	*95.3*			*67.0-138*		*09/17/2022 00:10*	WG1927111
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/21/2022 10:39*	WG1929110
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/17/2022 00:10*	WG1927111
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/21/2022 10:39*	WG1929110

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.37	J T8	1.81	5.46	1	09/10/2022 08:45	WG1923912
Residual Range Organics (RRO)	U	T8	4.54	13.6	1	09/10/2022 08:45	WG1923912
(S) o-Terphenyl	*64.0*			*18.0-148*		*09/10/2022 08:45*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00957	0.0955	1	09/06/2022 20:41	WG1921213
Dalapon	U		0.0154	0.0955	1	09/06/2022 20:41	WG1921213
2,4-DB	U		0.0405	0.0955	1	09/06/2022 20:41	WG1921213
Dicamba	U		0.0214	0.0955	1	09/06/2022 20:41	WG1921213
Dichloroprop	U		0.0334	0.0955	1	09/06/2022 20:41	WG1921213
Dinoseb	U		0.00951	0.0955	1	09/06/2022 20:41	WG1921213
MCPA	U		0.604	8.87	1	09/06/2022 20:41	WG1921213
MCPP	U		0.501	8.87	1	09/06/2022 20:41	WG1921213
2,4,5-T	U	J4	0.0116	0.0955	1	09/06/2022 20:41	WG1921213
2,4,5-TP (Silvex)	U		0.0146	0.0955	1	09/06/2022 20:41	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*81.5*			*22.0-132*		*09/06/2022 20:41*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00314	0.00818	1	09/10/2022 09:06	WG1923945
Acenaphthene	U	T8	0.00285	0.00818	1	09/10/2022 09:06	WG1923945
Acenaphthylene	U	T8	0.00295	0.00818	1	09/10/2022 09:06	WG1923945
Benzo(a)anthracene	U	T8	0.00236	0.00818	1	09/10/2022 09:06	WG1923945
Benzo(a)pyrene	U	T8	0.00244	0.00818	1	09/10/2022 09:06	WG1923945
Benzo(b)fluoranthene	U	T8	0.00209	0.00818	1	09/10/2022 09:06	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00241	0.00818	1	09/10/2022 09:06	WG1923945
Benzo(k)fluoranthene	U	T8	0.00293	0.00818	1	09/10/2022 09:06	WG1923945
Chrysene	U	T8	0.00316	0.00818	1	09/10/2022 09:06	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00235	0.00818	1	09/10/2022 09:06	WG1923945
Fluoranthene	U	T8	0.00310	0.00818	1	09/10/2022 09:06	WG1923945
Fluorene	U	T8	0.00280	0.00818	1	09/10/2022 09:06	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00247	0.00818	1	09/10/2022 09:06	WG1923945
Naphthalene	U	J3 J5 T8	0.00556	0.0273	1	09/10/2022 09:06	WG1923945
Phenanthrene	U	J3 T8	0.00315	0.00818	1	09/10/2022 09:06	WG1923945
Pyrene	U	T8	0.00273	0.00818	1	09/10/2022 09:06	WG1923945
1-Methylnaphthalene	U	J3 J5 T8	0.00612	0.0273	1	09/10/2022 09:06	WG1923945
2-Methylnaphthalene	U	J3 J5 T8	0.00582	0.0273	1	09/10/2022 09:06	WG1923945
2-Chloronaphthalene	U	J3 T8	0.00636	0.0273	1	09/10/2022 09:06	WG1923945
(S) Nitrobenzene-d5	*54.6*			*14.0-149*		*09/10/2022 09:06*	WG1923945
(S) 2-Fluorobiphenyl	*36.2*			*34.0-125*		*09/10/2022 09:06*	WG1923945
(S) p-Terphenyl-d14	*26.9*			*23.0-120*		*09/10/2022 09:06*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.9		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	59.9		1.34	25.3	1	09/12/2022 04:13	WG1924574
Sulfate	2090		16.3	63.3	1	09/12/2022 04:13	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.37		0.656	2.53	1	09/20/2022 17:00	WG1924910
Cadmium	0.173	J	0.0597	0.633	1	09/20/2022 17:00	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.70	B J	1.31	3.86	25	09/13/2022 06:25	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*77.0-120*		*09/13/2022 06:25*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4 T8	0.0563	0.0772	1	09/10/2022 22:28	WG1924267
Acrylonitrile	U	J3 J4 T8	0.00557	0.0193	1	09/10/2022 22:28	WG1924267
Benzene	0.00270	T8	0.000721	0.00154	1	09/10/2022 22:28	WG1924267
Bromobenzene	U	T8	0.00139	0.0193	1	09/10/2022 22:28	WG1924267
Bromodichloromethane	U	T8	0.00112	0.00386	1	09/10/2022 22:28	WG1924267
Bromoform	U	T8	0.00181	0.0386	1	09/10/2022 22:28	WG1924267
Bromomethane	U	C3 J3 T8	0.00304	0.0193	1	09/10/2022 22:28	WG1924267
n-Butylbenzene	U	T8	0.00810	0.0193	1	09/10/2022 22:28	WG1924267
sec-Butylbenzene	U	T8	0.00445	0.0193	1	09/10/2022 22:28	WG1924267
tert-Butylbenzene	U	T8	0.00301	0.00772	1	09/10/2022 22:28	WG1924267
Carbon tetrachloride	U	T8	0.00139	0.00772	1	09/10/2022 22:28	WG1924267
Chlorobenzene	0.00167	J T8	0.000324	0.00386	1	09/10/2022 22:28	WG1924267
Chlorodibromomethane	U	T8	0.000945	0.00386	1	09/10/2022 22:28	WG1924267
Chloroethane	U	C3 T8	0.00262	0.00772	1	09/10/2022 22:28	WG1924267
Chloroform	U	T8	0.00159	0.00386	1	09/10/2022 22:28	WG1924267
Chloromethane	U	C3 T8	0.00672	0.0193	1	09/10/2022 22:28	WG1924267
2-Chlorotoluene	U	T8	0.00134	0.00386	1	09/10/2022 22:28	WG1924267
4-Chlorotoluene	U	T8	0.000695	0.00772	1	09/10/2022 22:28	WG1924267
1,2-Dibromo-3-Chloropropane	U	T8	0.00602	0.0386	1	09/10/2022 22:28	WG1924267
1,2-Dibromoethane	U	T8	0.00100	0.00386	1	09/10/2022 22:28	WG1924267
Dibromomethane	U	T8	0.00116	0.00772	1	09/10/2022 22:28	WG1924267
1,2-Dichlorobenzene	U	T8	0.000656	0.00772	1	09/10/2022 22:28	WG1924267
1,3-Dichlorobenzene	U	T8	0.000926	0.00772	1	09/10/2022 22:28	WG1924267
1,4-Dichlorobenzene	U	T8	0.00108	0.00772	1	09/10/2022 22:28	WG1924267
Dichlorodifluoromethane	U	T8	0.00249	0.00386	1	09/10/2022 22:28	WG1924267
1,1-Dichloroethane	U	T8	0.000758	0.00386	1	09/10/2022 22:28	WG1924267
1,2-Dichloroethane	0.0119	T8	0.00100	0.00386	1	09/10/2022 22:28	WG1924267
1,1-Dichloroethene	U	T8	0.000936	0.00386	1	09/10/2022 22:28	WG1924267
cis-1,2-Dichloroethene	U	T8	0.00113	0.00386	1	09/10/2022 22:28	WG1924267
trans-1,2-Dichloroethene	U	T8	0.00161	0.00772	1	09/10/2022 22:28	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	J4 T8	0.00219	0.00772	1	09/10/2022 22:28	WG1924267
1,1-Dichloropropene	U	T8	0.00125	0.00386	1	09/10/2022 22:28	WG1924267
1,3-Dichloropropane	U	T8	0.000773	0.00772	1	09/10/2022 22:28	WG1924267
cis-1,3-Dichloropropene	U	T8	0.00117	0.00386	1	09/10/2022 22:28	WG1924267
trans-1,3-Dichloropropene	U	T8	0.00176	0.00772	1	09/10/2022 22:28	WG1924267
2,2-Dichloropropane	U	T8	0.00213	0.00386	1	09/10/2022 22:28	WG1924267
Di-isopropyl ether	U	T8	0.000633	0.00154	1	09/10/2022 22:28	WG1924267
Ethylbenzene	U	T8	0.00114	0.00386	1	09/10/2022 22:28	WG1924267
Hexachloro-1,3-butadiene	U	C3 T8	0.00926	0.0386	1	09/10/2022 22:28	WG1924267
Isopropylbenzene	U	T8	0.000656	0.00386	1	09/10/2022 22:28	WG1924267
p-Isopropyltoluene	U	T8	0.00394	0.00772	1	09/10/2022 22:28	WG1924267
2-Butanone (MEK)	U	J4 T8	0.0980	0.154	1	09/10/2022 22:28	WG1924267
Methylene Chloride	U	T8	0.0103	0.0386	1	09/10/2022 22:28	WG1924267
4-Methyl-2-pentanone (MIBK)	U	T8	0.00352	0.0386	1	09/10/2022 22:28	WG1924267
Methyl tert-butyl ether	U	T8	0.000540	0.00154	1	09/10/2022 22:28	WG1924267
Naphthalene	U	J3 T8	0.00753	0.0193	1	09/10/2022 22:28	WG1924267
n-Propylbenzene	U	T8	0.00147	0.00772	1	09/10/2022 22:28	WG1924267
Styrene	U	T8	0.000354	0.0193	1	09/10/2022 22:28	WG1924267
1,1,1,2-Tetrachloroethane	U	T8	0.00146	0.00386	1	09/10/2022 22:28	WG1924267
1,1,2,2-Tetrachloroethane	U	T8	0.00107	0.00386	1	09/10/2022 22:28	WG1924267
1,1,2-Trichlorotrifluoroethane	U	T8	0.00116	0.00386	1	09/10/2022 22:28	WG1924267
Tetrachloroethene	U	T8	0.00138	0.00386	1	09/10/2022 22:28	WG1924267
Toluene	U	T8	0.00201	0.00772	1	09/10/2022 22:28	WG1924267
1,2,3-Trichlorobenzene	U	J3 T8	0.0113	0.0193	1	09/10/2022 22:28	WG1924267
1,2,4-Trichlorobenzene	U	T8	0.00679	0.0193	1	09/10/2022 22:28	WG1924267
1,1,1-Trichloroethane	U	T8	0.00142	0.00386	1	09/10/2022 22:28	WG1924267
1,1,2-Trichloroethane	U	T8	0.000922	0.00386	1	09/10/2022 22:28	WG1924267
Trichloroethene	U	T8	0.000902	0.00154	1	09/10/2022 22:28	WG1924267
Trichlorofluoromethane	U	T8	0.00128	0.00386	1	09/10/2022 22:28	WG1924267
1,2,3-Trichloropropane	U	T8	0.00250	0.0193	1	09/10/2022 22:28	WG1924267
1,2,4-Trimethylbenzene	U	T8	0.00244	0.00772	1	09/10/2022 22:28	WG1924267
1,2,3-Trimethylbenzene	U	T8	0.00244	0.00772	1	09/10/2022 22:28	WG1924267
1,3,5-Trimethylbenzene	U	T8	0.00309	0.00772	1	09/10/2022 22:28	WG1924267
Vinyl chloride	U	T8	0.00179	0.00386	1	09/10/2022 22:28	WG1924267
Xylenes, Total	U		0.00136	0.0100	1	09/10/2022 22:28	WG1924267
(S) Toluene-d8	*102*			*75.0-131*		*09/10/2022 22:28*	WG1924267
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*09/10/2022 22:28*	WG1924267
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2022 22:28*	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	T8	1.69	5.07	1	09/10/2022 08:58	WG1923912
Residual Range Organics (RRO)	U	T8	4.22	12.7	1	09/10/2022 08:58	WG1923912
(S) o-Terphenyl	*85.0*			*18.0-148*		*09/10/2022 08:58*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00889	0.0887	1	09/06/2022 20:56	WG1921213
Dalapon	U		0.0143	0.0887	1	09/06/2022 20:56	WG1921213
2,4-DB	U		0.0376	0.0887	1	09/06/2022 20:56	WG1921213
Dicamba	U		0.0199	0.0887	1	09/06/2022 20:56	WG1921213
Dichloroprop	U		0.0310	0.0887	1	09/06/2022 20:56	WG1921213
Dinoseb	U		0.00883	0.0887	1	09/06/2022 20:56	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.561	8.24	1	09/06/2022 20:56	WG1921213
MCPP	U		0.465	8.24	1	09/06/2022 20:56	WG1921213
2,4,5-T	U	J4	0.0108	0.0887	1	09/06/2022 20:56	WG1921213
2,4,5-TP (Silvex)	U		0.0136	0.0887	1	09/06/2022 20:56	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*76.2*			*22.0-132*		*09/06/2022 20:56*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00291	0.00760	1	09/10/2022 10:45	WG1923945
Acenaphthene	U	T8	0.00265	0.00760	1	09/10/2022 10:45	WG1923945
Acenaphthylene	U	T8	0.00274	0.00760	1	09/10/2022 10:45	WG1923945
Benzo(a)anthracene	U	T8	0.00219	0.00760	1	09/10/2022 10:45	WG1923945
Benzo(a)pyrene	U	T8	0.00227	0.00760	1	09/10/2022 10:45	WG1923945
Benzo(b)fluoranthene	U	T8	0.00194	0.00760	1	09/10/2022 10:45	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00224	0.00760	1	09/10/2022 10:45	WG1923945
Benzo(k)fluoranthene	U	T8	0.00272	0.00760	1	09/10/2022 10:45	WG1923945
Chrysene	U	T8	0.00294	0.00760	1	09/10/2022 10:45	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00218	0.00760	1	09/10/2022 10:45	WG1923945
Fluoranthene	U	T8	0.00288	0.00760	1	09/10/2022 10:45	WG1923945
Fluorene	U	T8	0.00260	0.00760	1	09/10/2022 10:45	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00229	0.00760	1	09/10/2022 10:45	WG1923945
Naphthalene	U	T8	0.00517	0.0253	1	09/10/2022 10:45	WG1923945
Phenanthrene	U	T8	0.00293	0.00760	1	09/10/2022 10:45	WG1923945
Pyrene	U	T8	0.00253	0.00760	1	09/10/2022 10:45	WG1923945
1-Methylnaphthalene	U	T8	0.00569	0.0253	1	09/10/2022 10:45	WG1923945
2-Methylnaphthalene	U	T8	0.00541	0.0253	1	09/10/2022 10:45	WG1923945
2-Chloronaphthalene	U	T8	0.00590	0.0253	1	09/10/2022 10:45	WG1923945
(S) Nitrobenzene-d5	*43.5*			*14.0-149*		*09/10/2022 10:45*	WG1923945
(S) 2-Fluorobiphenyl	*35.2*			*34.0-125*		*09/10/2022 10:45*	WG1923945
(S) p-Terphenyl-d14	*31.1*			*23.0-120*		*09/10/2022 10:45*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	2.84	J	1.36	25.7	1	09/12/2022 04:45	WG1924574
Sulfate	238		16.6	64.3	1	09/12/2022 04:45	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.20		0.666	2.57	1	09/20/2022 17:03	WG1924910
Cadmium	0.134	J	0.0605	0.643	1	09/20/2022 17:03	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.87	B J	1.36	4.01	25	09/13/2022 06:48	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*09/13/2022 06:48*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4 T8	0.0586	0.0803	1	09/10/2022 22:47	WG1924267
Acrylonitrile	U	J3 J4 T8	0.00580	0.0201	1	09/10/2022 22:47	WG1924267
Benzene	0.0206	T8	0.000750	0.00161	1	09/10/2022 22:47	WG1924267
Bromobenzene	U	T8	0.00145	0.0201	1	09/10/2022 22:47	WG1924267
Bromodichloromethane	U	T8	0.00116	0.00401	1	09/10/2022 22:47	WG1924267
Bromoform	U	T8	0.00188	0.0401	1	09/10/2022 22:47	WG1924267
Bromomethane	U	C3 J3 T8	0.00316	0.0201	1	09/10/2022 22:47	WG1924267
n-Butylbenzene	U	T8	0.00843	0.0201	1	09/10/2022 22:47	WG1924267
sec-Butylbenzene	0.00947	J T8	0.00462	0.0201	1	09/10/2022 22:47	WG1924267
tert-Butylbenzene	U	T8	0.00313	0.00803	1	09/10/2022 22:47	WG1924267
Carbon tetrachloride	U	T8	0.00144	0.00803	1	09/10/2022 22:47	WG1924267
Chlorobenzene	U	T8	0.000337	0.00401	1	09/10/2022 22:47	WG1924267
Chlorodibromomethane	U	T8	0.000983	0.00401	1	09/10/2022 22:47	WG1924267
Chloroethane	U	C3 T8	0.00273	0.00803	1	09/10/2022 22:47	WG1924267
Chloroform	U	T8	0.00165	0.00401	1	09/10/2022 22:47	WG1924267
Chloromethane	U	C3 T8	0.00699	0.0201	1	09/10/2022 22:47	WG1924267
2-Chlorotoluene	U	T8	0.00139	0.00401	1	09/10/2022 22:47	WG1924267
4-Chlorotoluene	U	T8	0.000723	0.00803	1	09/10/2022 22:47	WG1924267
1,2-Dibromo-3-Chloropropane	U	T8	0.00626	0.0401	1	09/10/2022 22:47	WG1924267
1,2-Dibromoethane	U	T8	0.00104	0.00401	1	09/10/2022 22:47	WG1924267
Dibromomethane	U	T8	0.00120	0.00803	1	09/10/2022 22:47	WG1924267
1,2-Dichlorobenzene	U	T8	0.000682	0.00803	1	09/10/2022 22:47	WG1924267
1,3-Dichlorobenzene	U	T8	0.000963	0.00803	1	09/10/2022 22:47	WG1924267
1,4-Dichlorobenzene	U	T8	0.00112	0.00803	1	09/10/2022 22:47	WG1924267
Dichlorodifluoromethane	U	T8	0.00259	0.00401	1	09/10/2022 22:47	WG1924267
1,1-Dichloroethane	U	T8	0.000788	0.00401	1	09/10/2022 22:47	WG1924267
1,2-Dichloroethane	0.00239	J T8	0.00104	0.00401	1	09/10/2022 22:47	WG1924267
1,1-Dichloroethene	U	T8	0.000973	0.00401	1	09/10/2022 22:47	WG1924267
cis-1,2-Dichloroethene	U	T8	0.00118	0.00401	1	09/10/2022 22:47	WG1924267
trans-1,2-Dichloroethene	U	T8	0.00167	0.00803	1	09/10/2022 22:47	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	J4 T8	0.00228	0.00803	1	09/10/2022 22:47	WG1924267
1,1-Dichloropropene	U	T8	0.00130	0.00401	1	09/10/2022 22:47	WG1924267
1,3-Dichloropropane	U	T8	0.000804	0.00803	1	09/10/2022 22:47	WG1924267
cis-1,3-Dichloropropene	U	T8	0.00122	0.00401	1	09/10/2022 22:47	WG1924267
trans-1,3-Dichloropropene	U	T8	0.00183	0.00803	1	09/10/2022 22:47	WG1924267
2,2-Dichloropropane	U	T8	0.00222	0.00401	1	09/10/2022 22:47	WG1924267
Di-isopropyl ether	U	T8	0.000658	0.00161	1	09/10/2022 22:47	WG1924267
Ethylbenzene	0.0122	T8	0.00118	0.00401	1	09/10/2022 22:47	WG1924267
Hexachloro-1,3-butadiene	U	C3 T8	0.00963	0.0401	1	09/10/2022 22:47	WG1924267
Isopropylbenzene	0.00358	J T8	0.000682	0.00401	1	09/10/2022 22:47	WG1924267
p-Isopropyltoluene	0.00896	T8	0.00409	0.00803	1	09/10/2022 22:47	WG1924267
2-Butanone (MEK)	U	J4 T8	0.102	0.161	1	09/10/2022 22:47	WG1924267
Methylene Chloride	U	T8	0.0107	0.0401	1	09/10/2022 22:47	WG1924267
4-Methyl-2-pentanone (MIBK)	U	T8	0.00366	0.0401	1	09/10/2022 22:47	WG1924267
Methyl tert-butyl ether	U	T8	0.000562	0.00161	1	09/10/2022 22:47	WG1924267
Naphthalene	0.0175	J J3 T8	0.00784	0.0201	1	09/10/2022 22:47	WG1924267
n-Propylbenzene	0.00615	J T8	0.00153	0.00803	1	09/10/2022 22:47	WG1924267
Styrene	U	T8	0.000368	0.0201	1	09/10/2022 22:47	WG1924267
1,1,1,2-Tetrachloroethane	U	T8	0.00152	0.00401	1	09/10/2022 22:47	WG1924267
1,1,2,2-Tetrachloroethane	U	T8	0.00112	0.00401	1	09/10/2022 22:47	WG1924267
1,1,2-Trichlorotrifluoroethane	U	T8	0.00121	0.00401	1	09/10/2022 22:47	WG1924267
Tetrachloroethene	U	T8	0.00144	0.00401	1	09/10/2022 22:47	WG1924267
Toluene	U	T8	0.00209	0.00803	1	09/10/2022 22:47	WG1924267
1,2,3-Trichlorobenzene	U	J3 T8	0.0118	0.0201	1	09/10/2022 22:47	WG1924267
1,2,4-Trichlorobenzene	U	T8	0.00707	0.0201	1	09/10/2022 22:47	WG1924267
1,1,1-Trichloroethane	U	T8	0.00148	0.00401	1	09/10/2022 22:47	WG1924267
1,1,2-Trichloroethane	U	T8	0.000959	0.00401	1	09/10/2022 22:47	WG1924267
Trichloroethene	U	T8	0.000938	0.00161	1	09/10/2022 22:47	WG1924267
Trichlorofluoromethane	U	T8	0.00133	0.00401	1	09/10/2022 22:47	WG1924267
1,2,3-Trichloropropane	U	T8	0.00260	0.0201	1	09/10/2022 22:47	WG1924267
1,2,4-Trimethylbenzene	U	T8	0.00254	0.00803	1	09/10/2022 22:47	WG1924267
1,2,3-Trimethylbenzene	0.00450	J T8	0.00254	0.00803	1	09/10/2022 22:47	WG1924267
1,3,5-Trimethylbenzene	U	T8	0.00321	0.00803	1	09/10/2022 22:47	WG1924267
Vinyl chloride	U	T8	0.00186	0.00401	1	09/10/2022 22:47	WG1924267
Xylenes, Total	0.00715	J	0.00141	0.0104	1	09/10/2022 22:47	WG1924267
(S) Toluene-d8	*99.9*			*75.0-131*		*09/10/2022 22:47*	WG1924267
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*09/10/2022 22:47*	WG1924267
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2022 22:47*	WG1924267

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	T8	1.71	5.14	1	09/10/2022 09:11	WG1923912
Residual Range Organics (RRO)	U	T8	4.28	12.9	1	09/10/2022 09:11	WG1923912
(S) o-Terphenyl	*71.4*			*18.0-148*		*09/10/2022 09:11*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00902	0.0900	1	09/06/2022 21:10	WG1921213
Dalapon	U		0.0145	0.0900	1	09/06/2022 21:10	WG1921213
2,4-DB	U		0.0382	0.0900	1	09/06/2022 21:10	WG1921213
Dicamba	U		0.0202	0.0900	1	09/06/2022 21:10	WG1921213
Dichloroprop	U		0.0315	0.0900	1	09/06/2022 21:10	WG1921213
Dinoseb	U		0.00896	0.0900	1	09/06/2022 21:10	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.569	8.35	1	09/06/2022 21:10	WG1921213
MCPP	U		0.472	8.35	1	09/06/2022 21:10	WG1921213
2,4,5-T	U	J4	0.0109	0.0900	1	09/06/2022 21:10	WG1921213
2,4,5-TP (Silvex)	U		0.0138	0.0900	1	09/06/2022 21:10	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*66.0*			*22.0-132*		*09/06/2022 21:10*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00296	0.00771	1	09/10/2022 11:05	WG1923945
Acenaphthene	U	T8	0.00269	0.00771	1	09/10/2022 11:05	WG1923945
Acenaphthylene	U	T8	0.00278	0.00771	1	09/10/2022 11:05	WG1923945
Benzo(a)anthracene	U	T8	0.00222	0.00771	1	09/10/2022 11:05	WG1923945
Benzo(a)pyrene	U	T8	0.00230	0.00771	1	09/10/2022 11:05	WG1923945
Benzo(b)fluoranthene	U	T8	0.00197	0.00771	1	09/10/2022 11:05	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00227	0.00771	1	09/10/2022 11:05	WG1923945
Benzo(k)fluoranthene	U	T8	0.00276	0.00771	1	09/10/2022 11:05	WG1923945
Chrysene	U	T8	0.00298	0.00771	1	09/10/2022 11:05	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00221	0.00771	1	09/10/2022 11:05	WG1923945
Fluoranthene	U	T8	0.00292	0.00771	1	09/10/2022 11:05	WG1923945
Fluorene	U	T8	0.00263	0.00771	1	09/10/2022 11:05	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00233	0.00771	1	09/10/2022 11:05	WG1923945
Naphthalene	0.0114	J T8	0.00524	0.0257	1	09/10/2022 11:05	WG1923945
Phenanthrene	U	T8	0.00297	0.00771	1	09/10/2022 11:05	WG1923945
Pyrene	U	T8	0.00257	0.00771	1	09/10/2022 11:05	WG1923945
1-Methylnaphthalene	0.0112	J T8	0.00577	0.0257	1	09/10/2022 11:05	WG1923945
2-Methylnaphthalene	U	T8	0.00549	0.0257	1	09/10/2022 11:05	WG1923945
2-Chloronaphthalene	U	T8	0.00599	0.0257	1	09/10/2022 11:05	WG1923945
(S) Nitrobenzene-d5	*40.4*			*14.0-149*		*09/10/2022 11:05*	WG1923945
(S) 2-Fluorobiphenyl	*41.3*			*34.0-125*		*09/10/2022 11:05*	WG1923945
(S) p-Terphenyl-d14	*35.8*			*23.0-120*		*09/10/2022 11:05*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	1.67	J	1.36	25.7	1	09/12/2022 05:33	WG1924574
Sulfate	210		16.6	64.2	1	09/12/2022 05:33	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.13		0.666	2.57	1	09/20/2022 17:06	WG1924910
Cadmium	0.265	J	0.0605	0.642	1	09/20/2022 17:06	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	656	B	139	409	2500	09/13/2022 21:32	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*77.0-120*		*09/13/2022 21:32*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	18.7	C5 T8	1.19	1.64	20	09/11/2022 03:42	WG1924268
Acrylonitrile	U	T8	0.118	0.409	20	09/11/2022 03:42	WG1924268
Benzene	1.67	T8	0.0153	0.0327	20	09/11/2022 03:42	WG1924268
Bromobenzene	U	T8	0.0295	0.409	20	09/11/2022 03:42	WG1924268
Bromodichloromethane	U	T8	0.0237	0.0818	20	09/11/2022 03:42	WG1924268
Bromoform	U	T8	0.0383	0.818	20	09/11/2022 03:42	WG1924268
Bromomethane	U	T8	0.0645	0.409	20	09/11/2022 03:42	WG1924268
n-Butylbenzene	1.28	T8	0.172	0.409	20	09/11/2022 03:42	WG1924268
sec-Butylbenzene	0.470	T8	0.0943	0.409	20	09/11/2022 03:42	WG1924268
tert-Butylbenzene	U	T8	0.0638	0.164	20	09/11/2022 03:42	WG1924268
Carbon tetrachloride	U	T8	0.0295	0.164	20	09/11/2022 03:42	WG1924268
Chlorobenzene	U	T8	0.00687	0.0818	20	09/11/2022 03:42	WG1924268
Chlorodibromomethane	U	T8	0.0200	0.0818	20	09/11/2022 03:42	WG1924268
Chloroethane	U	T8	0.0556	0.164	20	09/11/2022 03:42	WG1924268
Chloroform	U	T8	0.0337	0.0818	20	09/11/2022 03:42	WG1924268
Chloromethane	U	T8	0.142	0.409	20	09/11/2022 03:42	WG1924268
2-Chlorotoluene	U	T8	0.0283	0.0818	20	09/11/2022 03:42	WG1924268
4-Chlorotoluene	U	T8	0.0147	0.164	20	09/11/2022 03:42	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.128	0.818	20	09/11/2022 03:42	WG1924268
1,2-Dibromoethane	U	T8	0.0213	0.0818	20	09/11/2022 03:42	WG1924268
Dibromomethane	U	T8	0.0245	0.164	20	09/11/2022 03:42	WG1924268
1,2-Dichlorobenzene	U	T8	0.0139	0.164	20	09/11/2022 03:42	WG1924268
1,3-Dichlorobenzene	U	T8	0.0196	0.164	20	09/11/2022 03:42	WG1924268
1,4-Dichlorobenzene	U	T8	0.0229	0.164	20	09/11/2022 03:42	WG1924268
Dichlorodifluoromethane	U	T8	0.0527	0.0818	20	09/11/2022 03:42	WG1924268
1,1-Dichloroethane	U	T8	0.0161	0.0818	20	09/11/2022 03:42	WG1924268
1,2-Dichloroethane	U	T8	0.0213	0.0818	20	09/11/2022 03:42	WG1924268
1,1-Dichloroethene	U	T8	0.0198	0.0818	20	09/11/2022 03:42	WG1924268
cis-1,2-Dichloroethene	U	T8	0.0241	0.0818	20	09/11/2022 03:42	WG1924268
trans-1,2-Dichloroethene	U	T8	0.0340	0.164	20	09/11/2022 03:42	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.0465	0.164	20	09/11/2022 03:42	WG1924268
1,1-Dichloropropene	U	T8	0.0265	0.0818	20	09/11/2022 03:42	WG1924268
1,3-Dichloropropane	U	T8	0.0164	0.164	20	09/11/2022 03:42	WG1924268
cis-1,3-Dichloropropene	U	T8	0.0247	0.0818	20	09/11/2022 03:42	WG1924268
trans-1,3-Dichloropropene	U	T8	0.0373	0.164	20	09/11/2022 03:42	WG1924268
2,2-Dichloropropane	U	T8	0.0452	0.0818	20	09/11/2022 03:42	WG1924268
Di-isopropyl ether	U	T8	0.0134	0.0327	20	09/11/2022 03:42	WG1924268
Ethylbenzene	11.2	T8	0.0241	0.0818	20	09/11/2022 03:42	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.196	0.818	20	09/11/2022 03:42	WG1924268
Isopropylbenzene	1.12	T8	0.0139	0.0818	20	09/11/2022 03:42	WG1924268
p-Isopropyltoluene	0.335	T8	0.0835	0.164	20	09/11/2022 03:42	WG1924268
2-Butanone (MEK)	5.22	C5 T8	2.08	3.27	20	09/11/2022 03:42	WG1924268
Methylene Chloride	U	T8	0.218	0.818	20	09/11/2022 03:42	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.0746	0.818	20	09/11/2022 03:42	WG1924268
Methyl tert-butyl ether	U	T8	0.0115	0.0327	20	09/11/2022 03:42	WG1924268
Naphthalene	2.24	C3 T8	0.160	0.409	20	09/11/2022 03:42	WG1924268
n-Propylbenzene	4.45	T8	0.0311	0.164	20	09/11/2022 03:42	WG1924268
Styrene	U	T8	0.00750	0.409	20	09/11/2022 03:42	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.0311	0.0818	20	09/11/2022 03:42	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.0227	0.0818	20	09/11/2022 03:42	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.0247	0.0818	20	09/11/2022 03:42	WG1924268
Tetrachloroethene	U	T8	0.0293	0.0818	20	09/11/2022 03:42	WG1924268
Toluene	0.133	J T8	0.0425	0.164	20	09/11/2022 03:42	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.241	0.409	20	09/11/2022 03:42	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.144	0.409	20	09/11/2022 03:42	WG1924268
1,1,1-Trichloroethane	U	T8	0.0303	0.0818	20	09/11/2022 03:42	WG1924268
1,1,2-Trichloroethane	U	T8	0.0195	0.0818	20	09/11/2022 03:42	WG1924268
Trichloroethene	U	T8	0.0191	0.0327	20	09/11/2022 03:42	WG1924268
Trichlorofluoromethane	U	T8	0.0270	0.0818	20	09/11/2022 03:42	WG1924268
1,2,3-Trichloropropane	U	T8	0.0530	0.409	20	09/11/2022 03:42	WG1924268
1,2,4-Trimethylbenzene	8.61	T8	0.0517	0.164	20	09/11/2022 03:42	WG1924268
1,2,3-Trimethylbenzene	6.15	T8	0.0517	0.164	20	09/11/2022 03:42	WG1924268
1,3,5-Trimethylbenzene	7.56	T8	0.0655	0.164	20	09/11/2022 03:42	WG1924268
Vinyl chloride	U	T8	0.0380	0.0818	20	09/11/2022 03:42	WG1924268
Xylenes, Total	18.5		0.0288	0.213	20	09/11/2022 03:42	WG1924268
(S) Toluene-d8	*97.1*			*75.0-131*		*09/11/2022 03:42*	WG1924268
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/11/2022 03:42*	WG1924268
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*09/11/2022 03:42*	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	9.93	T8	1.71	5.14	1	09/10/2022 09:24	WG1923912
Residual Range Organics (RRO)	U	T8	4.28	12.8	1	09/10/2022 09:24	WG1923912
(S) o-Terphenyl	*58.9*			*18.0-148*		*09/10/2022 09:24*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00902	0.0899	1	09/06/2022 21:25	WG1921213
Dalapon	U		0.0145	0.0899	1	09/06/2022 21:25	WG1921213
2,4-DB	U		0.0382	0.0899	1	09/06/2022 21:25	WG1921213
Dicamba	U		0.0202	0.0899	1	09/06/2022 21:25	WG1921213
Dichloroprop	U		0.0315	0.0899	1	09/06/2022 21:25	WG1921213
Dinoseb	U		0.00896	0.0899	1	09/06/2022 21:25	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.569	8.35	1	09/06/2022 21:25	WG1921213
MCPP	U		0.472	8.35	1	09/06/2022 21:25	WG1921213
2,4,5-T	U	J4	0.0109	0.0899	1	09/06/2022 21:25	WG1921213
2,4,5-TP (Silvex)	U		0.0137	0.0899	1	09/06/2022 21:25	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*86.7*			*22.0-132*		*09/06/2022 21:25*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00296	0.00771	1	09/10/2022 11:25	WG1923945
Acenaphthene	U	T8	0.00269	0.00771	1	09/10/2022 11:25	WG1923945
Acenaphthylene	U	T8	0.00278	0.00771	1	09/10/2022 11:25	WG1923945
Benzo(a)anthracene	U	T8	0.00222	0.00771	1	09/10/2022 11:25	WG1923945
Benzo(a)pyrene	U	T8	0.00230	0.00771	1	09/10/2022 11:25	WG1923945
Benzo(b)fluoranthene	U	T8	0.00197	0.00771	1	09/10/2022 11:25	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00227	0.00771	1	09/10/2022 11:25	WG1923945
Benzo(k)fluoranthene	U	T8	0.00276	0.00771	1	09/10/2022 11:25	WG1923945
Chrysene	U	T8	0.00298	0.00771	1	09/10/2022 11:25	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00221	0.00771	1	09/10/2022 11:25	WG1923945
Fluoranthene	U	T8	0.00292	0.00771	1	09/10/2022 11:25	WG1923945
Fluorene	U	T8	0.00263	0.00771	1	09/10/2022 11:25	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00233	0.00771	1	09/10/2022 11:25	WG1923945
Naphthalene	0.481	T8	0.00524	0.0257	1	09/10/2022 11:25	WG1923945
Phenanthrene	U	T8	0.00297	0.00771	1	09/10/2022 11:25	WG1923945
Pyrene	U	T8	0.00257	0.00771	1	09/10/2022 11:25	WG1923945
1-Methylnaphthalene	0.235	T8	0.00577	0.0257	1	09/10/2022 11:25	WG1923945
2-Methylnaphthalene	0.511	T8	0.00549	0.0257	1	09/10/2022 11:25	WG1923945
2-Chloronaphthalene	U	T8	0.00599	0.0257	1	09/10/2022 11:25	WG1923945
(S) Nitrobenzene-d5	*57.0*			*14.0-149*		*09/10/2022 11:25*	WG1923945
(S) 2-Fluorobiphenyl	*32.4*	J2		*34.0-125*		*09/10/2022 11:25*	WG1923945
(S) p-Terphenyl-d14	*30.0*			*23.0-120*		*09/10/2022 11:25*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.8		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	60.9		1.42	26.7	1	09/12/2022 05:49	WG1924574
Sulfate	296		17.2	66.8	1	09/12/2022 05:49	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.30		0.692	2.67	1	09/20/2022 17:08	WG1924910
Cadmium	0.154	J	0.0629	0.668	1	09/20/2022 17:08	WG1924910

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.48	4.36	25	09/13/2022 07:11	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*09/13/2022 07:11*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0637	0.0873	1	09/11/2022 00:06	WG1924268
Acrylonitrile	U	T8	0.00630	0.0218	1	09/11/2022 00:06	WG1924268
Benzene	0.000895	J T8	0.000815	0.00175	1	09/11/2022 00:06	WG1924268
Bromobenzene	U	T8	0.00157	0.0218	1	09/11/2022 00:06	WG1924268
Bromodichloromethane	U	T8	0.00127	0.00436	1	09/11/2022 00:06	WG1924268
Bromoform	U	T8	0.00204	0.0436	1	09/11/2022 00:06	WG1924268
Bromomethane	U	T8	0.00344	0.0218	1	09/11/2022 00:06	WG1924268
n-Butylbenzene	U	T8	0.00916	0.0218	1	09/11/2022 00:06	WG1924268
sec-Butylbenzene	U	T8	0.00503	0.0218	1	09/11/2022 00:06	WG1924268
tert-Butylbenzene	U	T8	0.00340	0.00873	1	09/11/2022 00:06	WG1924268
Carbon tetrachloride	U	T8	0.00157	0.00873	1	09/11/2022 00:06	WG1924268
Chlorobenzene	U	T8	0.000367	0.00436	1	09/11/2022 00:06	WG1924268
Chlorodibromomethane	U	T8	0.00107	0.00436	1	09/11/2022 00:06	WG1924268
Chloroethane	U	T8	0.00297	0.00873	1	09/11/2022 00:06	WG1924268
Chloroform	U	T8	0.00180	0.00436	1	09/11/2022 00:06	WG1924268
Chloromethane	U	T8	0.00759	0.0218	1	09/11/2022 00:06	WG1924268
2-Chlorotoluene	U	T8	0.00151	0.00436	1	09/11/2022 00:06	WG1924268
4-Chlorotoluene	U	T8	0.000785	0.00873	1	09/11/2022 00:06	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.00681	0.0436	1	09/11/2022 00:06	WG1924268
1,2-Dibromoethane	U	T8	0.00113	0.00436	1	09/11/2022 00:06	WG1924268
Dibromomethane	U	T8	0.00131	0.00873	1	09/11/2022 00:06	WG1924268
1,2-Dichlorobenzene	U	T8	0.000742	0.00873	1	09/11/2022 00:06	WG1924268
1,3-Dichlorobenzene	U	T8	0.00105	0.00873	1	09/11/2022 00:06	WG1924268
1,4-Dichlorobenzene	U	T8	0.00122	0.00873	1	09/11/2022 00:06	WG1924268
Dichlorodifluoromethane	U	T8	0.00281	0.00436	1	09/11/2022 00:06	WG1924268
1,1-Dichloroethane	U	T8	0.000857	0.00436	1	09/11/2022 00:06	WG1924268
1,2-Dichloroethane	U	T8	0.00113	0.00436	1	09/11/2022 00:06	WG1924268
1,1-Dichloroethene	U	T8	0.00106	0.00436	1	09/11/2022 00:06	WG1924268
cis-1,2-Dichloroethene	U	T8	0.00128	0.00436	1	09/11/2022 00:06	WG1924268
trans-1,2-Dichloroethene	U	T8	0.00182	0.00873	1	09/11/2022 00:06	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00248	0.00873	1	09/11/2022 00:06	WG1924268
1,1-Dichloropropene	U	T8	0.00141	0.00436	1	09/11/2022 00:06	WG1924268
1,3-Dichloropropane	U	T8	0.000874	0.00873	1	09/11/2022 00:06	WG1924268
cis-1,3-Dichloropropene	U	T8	0.00132	0.00436	1	09/11/2022 00:06	WG1924268
trans-1,3-Dichloropropene	U	T8	0.00199	0.00873	1	09/11/2022 00:06	WG1924268
2,2-Dichloropropane	U	T8	0.00241	0.00436	1	09/11/2022 00:06	WG1924268
Di-isopropyl ether	U	T8	0.000716	0.00175	1	09/11/2022 00:06	WG1924268
Ethylbenzene	0.00311	J T8	0.00129	0.00436	1	09/11/2022 00:06	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.0105	0.0436	1	09/11/2022 00:06	WG1924268
Isopropylbenzene	U	T8	0.000742	0.00436	1	09/11/2022 00:06	WG1924268
p-Isopropyltoluene	U	T8	0.00445	0.00873	1	09/11/2022 00:06	WG1924268
2-Butanone (MEK)	U	T8	0.111	0.175	1	09/11/2022 00:06	WG1924268
Methylene Chloride	U	T8	0.0116	0.0436	1	09/11/2022 00:06	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.00398	0.0436	1	09/11/2022 00:06	WG1924268
Methyl tert-butyl ether	U	T8	0.000611	0.00175	1	09/11/2022 00:06	WG1924268
Naphthalene	U	C3 T8	0.00852	0.0218	1	09/11/2022 00:06	WG1924268
n-Propylbenzene	U	T8	0.00166	0.00873	1	09/11/2022 00:06	WG1924268
Styrene	U	T8	0.000400	0.0218	1	09/11/2022 00:06	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.00165	0.00436	1	09/11/2022 00:06	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.00121	0.00436	1	09/11/2022 00:06	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.00132	0.00436	1	09/11/2022 00:06	WG1924268
Tetrachloroethene	U	T8	0.00156	0.00436	1	09/11/2022 00:06	WG1924268
Toluene	U	T8	0.00227	0.00873	1	09/11/2022 00:06	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.0128	0.0218	1	09/11/2022 00:06	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.00768	0.0218	1	09/11/2022 00:06	WG1924268
1,1,1-Trichloroethane	U	T8	0.00161	0.00436	1	09/11/2022 00:06	WG1924268
1,1,2-Trichloroethane	U	T8	0.00104	0.00436	1	09/11/2022 00:06	WG1924268
Trichloroethene	U	T8	0.00102	0.00175	1	09/11/2022 00:06	WG1924268
Trichlorofluoromethane	U	T8	0.00144	0.00436	1	09/11/2022 00:06	WG1924268
1,2,3-Trichloropropane	U	T8	0.00283	0.0218	1	09/11/2022 00:06	WG1924268
1,2,4-Trimethylbenzene	U	T8	0.00276	0.00873	1	09/11/2022 00:06	WG1924268
1,2,3-Trimethylbenzene	U	T8	0.00276	0.00873	1	09/11/2022 00:06	WG1924268
1,3,5-Trimethylbenzene	U	T8	0.00349	0.00873	1	09/11/2022 00:06	WG1924268
Vinyl chloride	U	T8	0.00202	0.00436	1	09/11/2022 00:06	WG1924268
Xylenes, Total	0.00511	J	0.00154	0.0113	1	09/11/2022 00:06	WG1924268
(S) Toluene-d8	*105*			*75.0-131*		*09/11/2022 00:06*	WG1924268
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/11/2022 00:06*	WG1924268
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/11/2022 00:06*	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	T8	1.78	5.34	1	09/10/2022 09:37	WG1923912
Residual Range Organics (RRO)	U	T8	4.45	13.4	1	09/10/2022 09:37	WG1923912
(S) o-Terphenyl	*71.8*			*18.0-148*		*09/10/2022 09:37*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00938	0.0935	1	09/06/2022 21:40	WG1921213
Dalapon	U		0.0151	0.0935	1	09/06/2022 21:40	WG1921213
2,4-DB	U		0.0397	0.0935	1	09/06/2022 21:40	WG1921213
Dicamba	U		0.0210	0.0935	1	09/06/2022 21:40	WG1921213
Dichloroprop	U		0.0327	0.0935	1	09/06/2022 21:40	WG1921213
Dinoseb	U		0.00931	0.0935	1	09/06/2022 21:40	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.592	8.69	1	09/06/2022 21:40	WG1921213
MCPP	U		0.490	8.69	1	09/06/2022 21:40	WG1921213
2,4,5-T	U	J4	0.0114	0.0935	1	09/06/2022 21:40	WG1921213
2,4,5-TP (Silvex)	U		0.0143	0.0935	1	09/06/2022 21:40	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*75.9*			*22.0-132*		*09/06/2022 21:40*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00307	0.00802	1	09/10/2022 11:45	WG1923945
Acenaphthene	U	T8	0.00279	0.00802	1	09/10/2022 11:45	WG1923945
Acenaphthylene	U	T8	0.00289	0.00802	1	09/10/2022 11:45	WG1923945
Benzo(a)anthracene	U	T8	0.00231	0.00802	1	09/10/2022 11:45	WG1923945
Benzo(a)pyrene	U	T8	0.00239	0.00802	1	09/10/2022 11:45	WG1923945
Benzo(b)fluoranthene	U	T8	0.00204	0.00802	1	09/10/2022 11:45	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00237	0.00802	1	09/10/2022 11:45	WG1923945
Benzo(k)fluoranthene	U	T8	0.00287	0.00802	1	09/10/2022 11:45	WG1923945
Chrysene	U	T8	0.00310	0.00802	1	09/10/2022 11:45	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00230	0.00802	1	09/10/2022 11:45	WG1923945
Fluoranthene	U	T8	0.00303	0.00802	1	09/10/2022 11:45	WG1923945
Fluorene	U	T8	0.00274	0.00802	1	09/10/2022 11:45	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00242	0.00802	1	09/10/2022 11:45	WG1923945
Naphthalene	U	T8	0.00545	0.0267	1	09/10/2022 11:45	WG1923945
Phenanthrene	U	T8	0.00309	0.00802	1	09/10/2022 11:45	WG1923945
Pyrene	U	T8	0.00267	0.00802	1	09/10/2022 11:45	WG1923945
1-Methylnaphthalene	U	T8	0.00600	0.0267	1	09/10/2022 11:45	WG1923945
2-Methylnaphthalene	U	T8	0.00571	0.0267	1	09/10/2022 11:45	WG1923945
2-Chloronaphthalene	U	T8	0.00623	0.0267	1	09/10/2022 11:45	WG1923945
(S) Nitrobenzene-d5	*41.7*			*14.0-149*		*09/10/2022 11:45*	WG1923945
(S) 2-Fluorobiphenyl	*35.1*			*34.0-125*		*09/10/2022 11:45*	WG1923945
(S) p-Terphenyl-d14	*33.7*			*23.0-120*		*09/10/2022 11:45*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.2		1	09/12/2022 07:39	WG1924115

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	404		7.10	134	5.1	09/12/2022 06:21	WG1924574
Sulfate	876		17.3	66.9	1.02	09/12/2022 06:05	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.40		0.680	2.62	1	09/18/2022 16:47	WG1924913
Cadmium	0.348	J	0.0618	0.656	1	09/18/2022 16:47	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.51	B J	1.42	4.19	25	09/13/2022 07:34	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*09/13/2022 07:34*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0794	J T8	0.0612	0.0838	1	09/11/2022 00:26	WG1924268
Acrylonitrile	U	T8	0.00605	0.0209	1	09/11/2022 00:26	WG1924268
Benzene	0.00133	J T8	0.000783	0.00168	1	09/11/2022 00:26	WG1924268
Bromobenzene	U	T8	0.00151	0.0209	1	09/11/2022 00:26	WG1924268
Bromodichloromethane	U	T8	0.00121	0.00419	1	09/11/2022 00:26	WG1924268
Bromoform	U	T8	0.00196	0.0419	1	09/11/2022 00:26	WG1924268
Bromomethane	U	T8	0.00330	0.0209	1	09/11/2022 00:26	WG1924268
n-Butylbenzene	U	T8	0.00880	0.0209	1	09/11/2022 00:26	WG1924268
sec-Butylbenzene	U	T8	0.00483	0.0209	1	09/11/2022 00:26	WG1924268
tert-Butylbenzene	U	T8	0.00327	0.00838	1	09/11/2022 00:26	WG1924268
Carbon tetrachloride	U	T8	0.00150	0.00838	1	09/11/2022 00:26	WG1924268
Chlorobenzene	U	T8	0.000352	0.00419	1	09/11/2022 00:26	WG1924268
Chlorodibromomethane	U	T8	0.00103	0.00419	1	09/11/2022 00:26	WG1924268
Chloroethane	U	T8	0.00285	0.00838	1	09/11/2022 00:26	WG1924268
Chloroform	U	T8	0.00173	0.00419	1	09/11/2022 00:26	WG1924268
Chloromethane	U	T8	0.00729	0.0209	1	09/11/2022 00:26	WG1924268
2-Chlorotoluene	U	T8	0.00145	0.00419	1	09/11/2022 00:26	WG1924268
4-Chlorotoluene	U	T8	0.000754	0.00838	1	09/11/2022 00:26	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.00653	0.0419	1	09/11/2022 00:26	WG1924268
1,2-Dibromoethane	U	T8	0.00109	0.00419	1	09/11/2022 00:26	WG1924268
Dibromomethane	U	T8	0.00126	0.00838	1	09/11/2022 00:26	WG1924268
1,2-Dichlorobenzene	U	T8	0.000712	0.00838	1	09/11/2022 00:26	WG1924268
1,3-Dichlorobenzene	U	T8	0.00101	0.00838	1	09/11/2022 00:26	WG1924268
1,4-Dichlorobenzene	U	T8	0.00117	0.00838	1	09/11/2022 00:26	WG1924268
Dichlorodifluoromethane	U	T8	0.00270	0.00419	1	09/11/2022 00:26	WG1924268
1,1-Dichloroethane	U	T8	0.000823	0.00419	1	09/11/2022 00:26	WG1924268
1,2-Dichloroethane	U	T8	0.00109	0.00419	1	09/11/2022 00:26	WG1924268
1,1-Dichloroethene	U	T8	0.00102	0.00419	1	09/11/2022 00:26	WG1924268
cis-1,2-Dichloroethene	U	T8	0.00123	0.00419	1	09/11/2022 00:26	WG1924268
trans-1,2-Dichloroethene	U	T8	0.00174	0.00838	1	09/11/2022 00:26	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00238	0.00838	1	09/11/2022 00:26	WG1924268
1,1-Dichloropropene	U	T8	0.00136	0.00419	1	09/11/2022 00:26	WG1924268
1,3-Dichloropropane	U	T8	0.000839	0.00838	1	09/11/2022 00:26	WG1924268
cis-1,3-Dichloropropene	U	T8	0.00127	0.00419	1	09/11/2022 00:26	WG1924268
trans-1,3-Dichloropropene	U	T8	0.00191	0.00838	1	09/11/2022 00:26	WG1924268
2,2-Dichloropropane	U	T8	0.00231	0.00419	1	09/11/2022 00:26	WG1924268
Di-isopropyl ether	U	T8	0.000687	0.00168	1	09/11/2022 00:26	WG1924268
Ethylbenzene	0.00545	T8	0.00123	0.00419	1	09/11/2022 00:26	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.0101	0.0419	1	09/11/2022 00:26	WG1924268
Isopropylbenzene	U	T8	0.000712	0.00419	1	09/11/2022 00:26	WG1924268
p-Isopropyltoluene	U	T8	0.00427	0.00838	1	09/11/2022 00:26	WG1924268
2-Butanone (MEK)	U	T8	0.106	0.168	1	09/11/2022 00:26	WG1924268
Methylene Chloride	U	T8	0.0111	0.0419	1	09/11/2022 00:26	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.00382	0.0419	1	09/11/2022 00:26	WG1924268
Methyl tert-butyl ether	U	T8	0.000586	0.00168	1	09/11/2022 00:26	WG1924268
Naphthalene	U	C3 T8	0.00818	0.0209	1	09/11/2022 00:26	WG1924268
n-Propylbenzene	U	T8	0.00159	0.00838	1	09/11/2022 00:26	WG1924268
Styrene	U	T8	0.000384	0.0209	1	09/11/2022 00:26	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.00159	0.00419	1	09/11/2022 00:26	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.00116	0.00419	1	09/11/2022 00:26	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.00126	0.00419	1	09/11/2022 00:26	WG1924268
Tetrachloroethene	U	T8	0.00150	0.00419	1	09/11/2022 00:26	WG1924268
Toluene	U	T8	0.00218	0.00838	1	09/11/2022 00:26	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.0123	0.0209	1	09/11/2022 00:26	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.00737	0.0209	1	09/11/2022 00:26	WG1924268
1,1,1-Trichloroethane	U	T8	0.00155	0.00419	1	09/11/2022 00:26	WG1924268
1,1,2-Trichloroethane	U	T8	0.00100	0.00419	1	09/11/2022 00:26	WG1924268
Trichloroethene	U	T8	0.000979	0.00168	1	09/11/2022 00:26	WG1924268
Trichlorofluoromethane	U	T8	0.00139	0.00419	1	09/11/2022 00:26	WG1924268
1,2,3-Trichloropropane	U	T8	0.00271	0.0209	1	09/11/2022 00:26	WG1924268
1,2,4-Trimethylbenzene	0.00504	J T8	0.00265	0.00838	1	09/11/2022 00:26	WG1924268
1,2,3-Trimethylbenzene	0.00345	J T8	0.00265	0.00838	1	09/11/2022 00:26	WG1924268
1,3,5-Trimethylbenzene	0.00977	T8	0.00335	0.00838	1	09/11/2022 00:26	WG1924268
Vinyl chloride	U	T8	0.00194	0.00419	1	09/11/2022 00:26	WG1924268
Xylenes, Total	0.0101	J	0.00147	0.0109	1	09/11/2022 00:26	WG1924268
(S) Toluene-d8	*101*			*75.0-131*		*09/11/2022 00:26*	WG1924268
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*09/11/2022 00:26*	WG1924268
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*09/11/2022 00:26*	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	T8	1.75	5.25	1	09/10/2022 09:51	WG1923912
Residual Range Organics (RRO)	U	T8	4.37	13.1	1	09/10/2022 09:51	WG1923912
(S) o-Terphenyl	*53.8*			*18.0-148*		*09/10/2022 09:51*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00921	0.0919	1	09/06/2022 21:55	WG1921213
Dalapon	U		0.0148	0.0919	1	09/06/2022 21:55	WG1921213
2,4-DB	U		0.0390	0.0919	1	09/06/2022 21:55	WG1921213
Dicamba	U		0.0206	0.0919	1	09/06/2022 21:55	WG1921213
Dichloroprop	U		0.0321	0.0919	1	09/06/2022 21:55	WG1921213
Dinoseb	U		0.00915	0.0919	1	09/06/2022 21:55	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.581	8.53	1	09/06/2022 21:55	WG1921213
MCPP	U		0.482	8.53	1	09/06/2022 21:55	WG1921213
2,4,5-T	U	J4	0.0112	0.0919	1	09/06/2022 21:55	WG1921213
2,4,5-TP (Silvex)	U		0.0140	0.0919	1	09/06/2022 21:55	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*73.7*			*22.0-132*		*09/06/2022 21:55*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00302	0.00787	1	09/10/2022 12:05	WG1923945
Acenaphthene	U	T8	0.00274	0.00787	1	09/10/2022 12:05	WG1923945
Acenaphthylene	U	T8	0.00283	0.00787	1	09/10/2022 12:05	WG1923945
Benzo(a)anthracene	U	T8	0.00227	0.00787	1	09/10/2022 12:05	WG1923945
Benzo(a)pyrene	U	T8	0.00235	0.00787	1	09/10/2022 12:05	WG1923945
Benzo(b)fluoranthene	U	T8	0.00201	0.00787	1	09/10/2022 12:05	WG1923945
Benzo(g,h,i)perylene	U	T8	0.00232	0.00787	1	09/10/2022 12:05	WG1923945
Benzo(k)fluoranthene	U	T8	0.00282	0.00787	1	09/10/2022 12:05	WG1923945
Chrysene	U	T8	0.00304	0.00787	1	09/10/2022 12:05	WG1923945
Dibenz(a,h)anthracene	U	T8	0.00226	0.00787	1	09/10/2022 12:05	WG1923945
Fluoranthene	U	T8	0.00298	0.00787	1	09/10/2022 12:05	WG1923945
Fluorene	U	T8	0.00269	0.00787	1	09/10/2022 12:05	WG1923945
Indeno(1,2,3-cd)pyrene	U	T8	0.00238	0.00787	1	09/10/2022 12:05	WG1923945
Naphthalene	U	T8	0.00535	0.0262	1	09/10/2022 12:05	WG1923945
Phenanthrene	U	T8	0.00303	0.00787	1	09/10/2022 12:05	WG1923945
Pyrene	U	T8	0.00262	0.00787	1	09/10/2022 12:05	WG1923945
1-Methylnaphthalene	U	T8	0.00589	0.0262	1	09/10/2022 12:05	WG1923945
2-Methylnaphthalene	U	T8	0.00560	0.0262	1	09/10/2022 12:05	WG1923945
2-Chloronaphthalene	U	T8	0.00611	0.0262	1	09/10/2022 12:05	WG1923945
(S) Nitrobenzene-d5	*59.7*			*14.0-149*		*09/10/2022 12:05*	WG1923945
(S) 2-Fluorobiphenyl	*67.6*			*34.0-125*		*09/10/2022 12:05*	WG1923945
(S) p-Terphenyl-d14	*66.1*			*23.0-120*		*09/10/2022 12:05*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.6		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	6.76	J	1.44	27.2	1	09/12/2022 06:37	WG1924574
Sulfate	149		17.5	68.0	1	09/12/2022 06:37	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.33		0.704	2.72	1	09/18/2022 16:50	WG1924913
Cadmium	0.249	J	0.0640	0.680	1	09/18/2022 16:50	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.51	4.46	25	09/13/2022 08:06	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*		*09/13/2022 08:06*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0876	J T8	0.0651	0.0892	1	09/11/2022 00:45	WG1924268
Acrylonitrile	U	T8	0.00644	0.0223	1	09/11/2022 00:45	WG1924268
Benzene	U	T8	0.000833	0.00178	1	09/11/2022 00:45	WG1924268
Bromobenzene	U	T8	0.00161	0.0223	1	09/11/2022 00:45	WG1924268
Bromodichloromethane	U	T8	0.00129	0.00446	1	09/11/2022 00:45	WG1924268
Bromoform	U	T8	0.00209	0.0446	1	09/11/2022 00:45	WG1924268
Bromomethane	U	T8	0.00351	0.0223	1	09/11/2022 00:45	WG1924268
n-Butylbenzene	U	T8	0.00937	0.0223	1	09/11/2022 00:45	WG1924268
sec-Butylbenzene	U	T8	0.00514	0.0223	1	09/11/2022 00:45	WG1924268
tert-Butylbenzene	U	T8	0.00348	0.00892	1	09/11/2022 00:45	WG1924268
Carbon tetrachloride	U	T8	0.00160	0.00892	1	09/11/2022 00:45	WG1924268
Chlorobenzene	U	T8	0.000375	0.00446	1	09/11/2022 00:45	WG1924268
Chlorodibromomethane	U	T8	0.00109	0.00446	1	09/11/2022 00:45	WG1924268
Chloroethane	U	T8	0.00303	0.00892	1	09/11/2022 00:45	WG1924268
Chloroform	U	T8	0.00184	0.00446	1	09/11/2022 00:45	WG1924268
Chloromethane	U	T8	0.00776	0.0223	1	09/11/2022 00:45	WG1924268
2-Chlorotoluene	U	T8	0.00154	0.00446	1	09/11/2022 00:45	WG1924268
4-Chlorotoluene	U	T8	0.000803	0.00892	1	09/11/2022 00:45	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.00696	0.0446	1	09/11/2022 00:45	WG1924268
1,2-Dibromoethane	U	T8	0.00116	0.00446	1	09/11/2022 00:45	WG1924268
Dibromomethane	U	T8	0.00134	0.00892	1	09/11/2022 00:45	WG1924268
1,2-Dichlorobenzene	U	T8	0.000758	0.00892	1	09/11/2022 00:45	WG1924268
1,3-Dichlorobenzene	U	T8	0.00107	0.00892	1	09/11/2022 00:45	WG1924268
1,4-Dichlorobenzene	U	T8	0.00125	0.00892	1	09/11/2022 00:45	WG1924268
Dichlorodifluoromethane	U	T8	0.00287	0.00446	1	09/11/2022 00:45	WG1924268
1,1-Dichloroethane	U	T8	0.000876	0.00446	1	09/11/2022 00:45	WG1924268
1,2-Dichloroethane	U	T8	0.00116	0.00446	1	09/11/2022 00:45	WG1924268
1,1-Dichloroethene	U	T8	0.00108	0.00446	1	09/11/2022 00:45	WG1924268
cis-1,2-Dichloroethene	U	T8	0.00131	0.00446	1	09/11/2022 00:45	WG1924268
trans-1,2-Dichloroethene	U	T8	0.00186	0.00892	1	09/11/2022 00:45	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00253	0.00892	1	09/11/2022 00:45	WG1924268
1,1-Dichloropropene	U	T8	0.00144	0.00446	1	09/11/2022 00:45	WG1924268
1,3-Dichloropropane	U	T8	0.000894	0.00892	1	09/11/2022 00:45	WG1924268
cis-1,3-Dichloropropene	U	T8	0.00135	0.00446	1	09/11/2022 00:45	WG1924268
trans-1,3-Dichloropropene	U	T8	0.00203	0.00892	1	09/11/2022 00:45	WG1924268
2,2-Dichloropropane	U	T8	0.00246	0.00446	1	09/11/2022 00:45	WG1924268
Di-isopropyl ether	U	T8	0.000731	0.00178	1	09/11/2022 00:45	WG1924268
Ethylbenzene	U	T8	0.00131	0.00446	1	09/11/2022 00:45	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.0107	0.0446	1	09/11/2022 00:45	WG1924268
Isopropylbenzene	U	T8	0.000758	0.00446	1	09/11/2022 00:45	WG1924268
p-Isopropyltoluene	U	T8	0.00455	0.00892	1	09/11/2022 00:45	WG1924268
2-Butanone (MEK)	U	T8	0.113	0.178	1	09/11/2022 00:45	WG1924268
Methylene Chloride	U	T8	0.0118	0.0446	1	09/11/2022 00:45	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.00407	0.0446	1	09/11/2022 00:45	WG1924268
Methyl tert-butyl ether	U	T8	0.000624	0.00178	1	09/11/2022 00:45	WG1924268
Naphthalene	U	C3 T8	0.00871	0.0223	1	09/11/2022 00:45	WG1924268
n-Propylbenzene	U	T8	0.00169	0.00892	1	09/11/2022 00:45	WG1924268
Styrene	U	T8	0.000408	0.0223	1	09/11/2022 00:45	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.00169	0.00446	1	09/11/2022 00:45	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.00124	0.00446	1	09/11/2022 00:45	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.00135	0.00446	1	09/11/2022 00:45	WG1924268
Tetrachloroethene	U	T8	0.00160	0.00446	1	09/11/2022 00:45	WG1924268
Toluene	U	T8	0.00232	0.00892	1	09/11/2022 00:45	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.0131	0.0223	1	09/11/2022 00:45	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.00785	0.0223	1	09/11/2022 00:45	WG1924268
1,1,1-Trichloroethane	U	T8	0.00165	0.00446	1	09/11/2022 00:45	WG1924268
1,1,2-Trichloroethane	U	T8	0.00106	0.00446	1	09/11/2022 00:45	WG1924268
Trichloroethene	U	T8	0.00104	0.00178	1	09/11/2022 00:45	WG1924268
Trichlorofluoromethane	U	T8	0.00148	0.00446	1	09/11/2022 00:45	WG1924268
1,2,3-Trichloropropane	U	T8	0.00289	0.0223	1	09/11/2022 00:45	WG1924268
1,2,4-Trimethylbenzene	U	T8	0.00282	0.00892	1	09/11/2022 00:45	WG1924268
1,2,3-Trimethylbenzene	U	T8	0.00282	0.00892	1	09/11/2022 00:45	WG1924268
1,3,5-Trimethylbenzene	U	T8	0.00357	0.00892	1	09/11/2022 00:45	WG1924268
Vinyl chloride	U	T8	0.00207	0.00446	1	09/11/2022 00:45	WG1924268
Xylenes, Total	U		0.00157	0.0116	1	09/11/2022 00:45	WG1924268
(S) Toluene-d8	*98.1*			*75.0-131*		*09/11/2022 00:45*	WG1924268
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*09/11/2022 00:45*	WG1924268
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/11/2022 00:45*	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U	J3 J6	1.81	5.44	1	09/10/2022 10:04	WG1923912
Residual Range Organics (RRO)	U		4.53	13.6	1	09/10/2022 10:04	WG1923912
(S) o-Terphenyl	*59.8*			*18.0-148*		*09/10/2022 10:04*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00954	0.0951	1	09/06/2022 22:09	WG1921213
Dalapon	U		0.0154	0.0951	1	09/06/2022 22:09	WG1921213
2,4-DB	U		0.0404	0.0951	1	09/06/2022 22:09	WG1921213
Dicamba	U		0.0213	0.0951	1	09/06/2022 22:09	WG1921213
Dichloroprop	U		0.0333	0.0951	1	09/06/2022 22:09	WG1921213
Dinoseb	U		0.00947	0.0951	1	09/06/2022 22:09	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.602	8.83	1	09/06/2022 22:09	WG1921213
MCPP	U		0.499	8.83	1	09/06/2022 22:09	WG1921213
2,4,5-T	U	J4	0.0116	0.0951	1	09/06/2022 22:09	WG1921213
2,4,5-TP (Silvex)	U		0.0145	0.0951	1	09/06/2022 22:09	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*56.8*			*22.0-132*		*09/06/2022 22:09*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00313	0.00815	1	09/10/2022 12:25	WG1923945
Acenaphthene	U		0.00284	0.00815	1	09/10/2022 12:25	WG1923945
Acenaphthylene	U		0.00294	0.00815	1	09/10/2022 12:25	WG1923945
Benzo(a)anthracene	U		0.00235	0.00815	1	09/10/2022 12:25	WG1923945
Benzo(a)pyrene	U		0.00243	0.00815	1	09/10/2022 12:25	WG1923945
Benzo(b)fluoranthene	U		0.00208	0.00815	1	09/10/2022 12:25	WG1923945
Benzo(g,h,i)perylene	U		0.00241	0.00815	1	09/10/2022 12:25	WG1923945
Benzo(k)fluoranthene	U		0.00292	0.00815	1	09/10/2022 12:25	WG1923945
Chrysene	U		0.00315	0.00815	1	09/10/2022 12:25	WG1923945
Dibenz(a,h)anthracene	U		0.00234	0.00815	1	09/10/2022 12:25	WG1923945
Fluoranthene	U		0.00309	0.00815	1	09/10/2022 12:25	WG1923945
Fluorene	U		0.00279	0.00815	1	09/10/2022 12:25	WG1923945
Indeno(1,2,3-cd)pyrene	U		0.00246	0.00815	1	09/10/2022 12:25	WG1923945
Naphthalene	0.262		0.00554	0.0272	1	09/10/2022 12:25	WG1923945
Phenanthrene	U		0.00314	0.00815	1	09/10/2022 12:25	WG1923945
Pyrene	U		0.00272	0.00815	1	09/10/2022 12:25	WG1923945
1-Methylnaphthalene	0.0777		0.00610	0.0272	1	09/10/2022 12:25	WG1923945
2-Methylnaphthalene	0.261		0.00580	0.0272	1	09/10/2022 12:25	WG1923945
2-Chloronaphthalene	U		0.00633	0.0272	1	09/10/2022 12:25	WG1923945
(S) Nitrobenzene-d5	*74.7*			*14.0-149*		*09/10/2022 12:25*	WG1923945
(S) 2-Fluorobiphenyl	*71.4*			*34.0-125*		*09/10/2022 12:25*	WG1923945
(S) p-Terphenyl-d14	*69.9*			*23.0-120*		*09/10/2022 12:25*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	33.4		1.37	25.8	1	09/12/2022 06:53	WG1924574
Sulfate	237		16.6	64.5	1	09/12/2022 06:53	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.31		0.575	2.22	.862	09/18/2022 16:52	WG1924913
Cadmium	0.168	J	0.0524	0.556	.862	09/18/2022 16:52	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.37	4.05	25	09/13/2022 08:29	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*09/13/2022 08:29*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0824	C5 T8	0.0591	0.0810	1	09/11/2022 01:05	WG1924268
Acrylonitrile	U	T8	0.00585	0.0202	1	09/11/2022 01:05	WG1924268
Benzene	U	T8	0.000756	0.00162	1	09/11/2022 01:05	WG1924268
Bromobenzene	U	T8	0.00146	0.0202	1	09/11/2022 01:05	WG1924268
Bromodichloromethane	U	T8	0.00117	0.00405	1	09/11/2022 01:05	WG1924268
Bromoform	U	T8	0.00189	0.0405	1	09/11/2022 01:05	WG1924268
Bromomethane	U	T8	0.00319	0.0202	1	09/11/2022 01:05	WG1924268
n-Butylbenzene	U	T8	0.00850	0.0202	1	09/11/2022 01:05	WG1924268
sec-Butylbenzene	U	T8	0.00466	0.0202	1	09/11/2022 01:05	WG1924268
tert-Butylbenzene	U	T8	0.00316	0.00810	1	09/11/2022 01:05	WG1924268
Carbon tetrachloride	U	T8	0.00145	0.00810	1	09/11/2022 01:05	WG1924268
Chlorobenzene	U	T8	0.000340	0.00405	1	09/11/2022 01:05	WG1924268
Chlorodibromomethane	U	T8	0.000991	0.00405	1	09/11/2022 01:05	WG1924268
Chloroethane	U	T8	0.00275	0.00810	1	09/11/2022 01:05	WG1924268
Chloroform	U	T8	0.00167	0.00405	1	09/11/2022 01:05	WG1924268
Chloromethane	U	T8	0.00704	0.0202	1	09/11/2022 01:05	WG1924268
2-Chlorotoluene	U	T8	0.00140	0.00405	1	09/11/2022 01:05	WG1924268
4-Chlorotoluene	U	T8	0.000729	0.00810	1	09/11/2022 01:05	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.00632	0.0405	1	09/11/2022 01:05	WG1924268
1,2-Dibromoethane	U	T8	0.00105	0.00405	1	09/11/2022 01:05	WG1924268
Dibromomethane	U	T8	0.00121	0.00810	1	09/11/2022 01:05	WG1924268
1,2-Dichlorobenzene	U	T8	0.000688	0.00810	1	09/11/2022 01:05	WG1924268
1,3-Dichlorobenzene	U	T8	0.000972	0.00810	1	09/11/2022 01:05	WG1924268
1,4-Dichlorobenzene	U	T8	0.00113	0.00810	1	09/11/2022 01:05	WG1924268
Dichlorodifluoromethane	U	T8	0.00261	0.00405	1	09/11/2022 01:05	WG1924268
1,1-Dichloroethane	U	T8	0.000795	0.00405	1	09/11/2022 01:05	WG1924268
1,2-Dichloroethane	U	T8	0.00105	0.00405	1	09/11/2022 01:05	WG1924268
1,1-Dichloroethene	U	T8	0.000981	0.00405	1	09/11/2022 01:05	WG1924268
cis-1,2-Dichloroethene	U	T8	0.00119	0.00405	1	09/11/2022 01:05	WG1924268
trans-1,2-Dichloroethene	U	T8	0.00168	0.00810	1	09/11/2022 01:05	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00230	0.00810	1	09/11/2022 01:05	WG1924268
1,1-Dichloropropene	U	T8	0.00131	0.00405	1	09/11/2022 01:05	WG1924268
1,3-Dichloropropane	U	T8	0.000811	0.00810	1	09/11/2022 01:05	WG1924268
cis-1,3-Dichloropropene	U	T8	0.00123	0.00405	1	09/11/2022 01:05	WG1924268
trans-1,3-Dichloropropene	U	T8	0.00185	0.00810	1	09/11/2022 01:05	WG1924268
2,2-Dichloropropane	U	T8	0.00223	0.00405	1	09/11/2022 01:05	WG1924268
Di-isopropyl ether	U	T8	0.000664	0.00162	1	09/11/2022 01:05	WG1924268
Ethylbenzene	U	T8	0.00119	0.00405	1	09/11/2022 01:05	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.00972	0.0405	1	09/11/2022 01:05	WG1924268
Isopropylbenzene	U	T8	0.000688	0.00405	1	09/11/2022 01:05	WG1924268
p-Isopropyltoluene	U	T8	0.00413	0.00810	1	09/11/2022 01:05	WG1924268
2-Butanone (MEK)	U	T8	0.103	0.162	1	09/11/2022 01:05	WG1924268
Methylene Chloride	U	T8	0.0108	0.0405	1	09/11/2022 01:05	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.00369	0.0405	1	09/11/2022 01:05	WG1924268
Methyl tert-butyl ether	U	T8	0.000567	0.00162	1	09/11/2022 01:05	WG1924268
Naphthalene	U	C3 T8	0.00790	0.0202	1	09/11/2022 01:05	WG1924268
n-Propylbenzene	U	T8	0.00154	0.00810	1	09/11/2022 01:05	WG1924268
Styrene	U	T8	0.000371	0.0202	1	09/11/2022 01:05	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.00154	0.00405	1	09/11/2022 01:05	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.00113	0.00405	1	09/11/2022 01:05	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.00122	0.00405	1	09/11/2022 01:05	WG1924268
Tetrachloroethene	U	T8	0.00145	0.00405	1	09/11/2022 01:05	WG1924268
Toluene	U	T8	0.00211	0.00810	1	09/11/2022 01:05	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.0119	0.0202	1	09/11/2022 01:05	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.00713	0.0202	1	09/11/2022 01:05	WG1924268
1,1,1-Trichloroethane	U	T8	0.00149	0.00405	1	09/11/2022 01:05	WG1924268
1,1,2-Trichloroethane	U	T8	0.000967	0.00405	1	09/11/2022 01:05	WG1924268
Trichloroethene	U	T8	0.000946	0.00162	1	09/11/2022 01:05	WG1924268
Trichlorofluoromethane	U	T8	0.00134	0.00405	1	09/11/2022 01:05	WG1924268
1,2,3-Trichloropropane	U	T8	0.00262	0.0202	1	09/11/2022 01:05	WG1924268
1,2,4-Trimethylbenzene	U	T8	0.00256	0.00810	1	09/11/2022 01:05	WG1924268
1,2,3-Trimethylbenzene	U	T8	0.00256	0.00810	1	09/11/2022 01:05	WG1924268
1,3,5-Trimethylbenzene	U	T8	0.00324	0.00810	1	09/11/2022 01:05	WG1924268
Vinyl chloride	U	T8	0.00188	0.00405	1	09/11/2022 01:05	WG1924268
Xylenes, Total	U		0.00143	0.0105	1	09/11/2022 01:05	WG1924268
(S) Toluene-d8	*102*			*75.0-131*		*09/11/2022 01:05*	WG1924268
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*09/11/2022 01:05*	WG1924268
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/11/2022 01:05*	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.72	5.16	1	09/10/2022 10:43	WG1923912
Residual Range Organics (RRO)	U		4.30	12.9	1	09/10/2022 10:43	WG1923912
(S) o-Terphenyl	*61.9*			*18.0-148*		*09/10/2022 10:43*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00906	0.0903	1	09/06/2022 22:24	WG1921213
Dalapon	U		0.0146	0.0903	1	09/06/2022 22:24	WG1921213
2,4-DB	U		0.0383	0.0903	1	09/06/2022 22:24	WG1921213
Dicamba	U		0.0203	0.0903	1	09/06/2022 22:24	WG1921213
Dichloroprop	U		0.0316	0.0903	1	09/06/2022 22:24	WG1921213
Dinoseb	U		0.00899	0.0903	1	09/06/2022 22:24	WG1921213

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.572	8.39	1	09/06/2022 22:24	WG1921213
MCPP	U		0.474	8.39	1	09/06/2022 22:24	WG1921213
2,4,5-T	U	J4	0.0110	0.0903	1	09/06/2022 22:24	WG1921213
2,4,5-TP (Silvex)	U		0.0138	0.0903	1	09/06/2022 22:24	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*66.9*			*22.0-132*		*09/06/2022 22:24*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00297	0.00774	1	09/10/2022 12:44	WG1923945
Acenaphthene	U		0.00270	0.00774	1	09/10/2022 12:44	WG1923945
Acenaphthylene	U		0.00279	0.00774	1	09/10/2022 12:44	WG1923945
Benzo(a)anthracene	U		0.00223	0.00774	1	09/10/2022 12:44	WG1923945
Benzo(a)pyrene	U		0.00231	0.00774	1	09/10/2022 12:44	WG1923945
Benzo(b)fluoranthene	U		0.00197	0.00774	1	09/10/2022 12:44	WG1923945
Benzo(g,h,i)perylene	U		0.00228	0.00774	1	09/10/2022 12:44	WG1923945
Benzo(k)fluoranthene	U		0.00277	0.00774	1	09/10/2022 12:44	WG1923945
Chrysene	U		0.00299	0.00774	1	09/10/2022 12:44	WG1923945
Dibenz(a,h)anthracene	U		0.00222	0.00774	1	09/10/2022 12:44	WG1923945
Fluoranthene	U		0.00293	0.00774	1	09/10/2022 12:44	WG1923945
Fluorene	U		0.00264	0.00774	1	09/10/2022 12:44	WG1923945
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00774	1	09/10/2022 12:44	WG1923945
Naphthalene	U		0.00526	0.0258	1	09/10/2022 12:44	WG1923945
Phenanthrene	U		0.00298	0.00774	1	09/10/2022 12:44	WG1923945
Pyrene	U		0.00258	0.00774	1	09/10/2022 12:44	WG1923945
1-Methylnaphthalene	U		0.00579	0.0258	1	09/10/2022 12:44	WG1923945
2-Methylnaphthalene	U		0.00551	0.0258	1	09/10/2022 12:44	WG1923945
2-Chloronaphthalene	U		0.00601	0.0258	1	09/10/2022 12:44	WG1923945
(S) Nitrobenzene-d5	*46.3*			*14.0-149*		*09/10/2022 12:44*	WG1923945
(S) 2-Fluorobiphenyl	*53.7*			*34.0-125*		*09/10/2022 12:44*	WG1923945
(S) p-Terphenyl-d14	*50.5*			*23.0-120*		*09/10/2022 12:44*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.1		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	72.8		1.37	25.9	1	09/12/2022 07:08	WG1924574
Sulfate	1520		16.7	64.8	1	09/12/2022 07:08	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.96		0.672	2.59	1	09/18/2022 17:01	WG1924913
Cadmium	0.161	J	0.0611	0.648	1	09/18/2022 17:01	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1200		5.63	16.6	100	09/13/2022 10:10	WG1924071
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*09/13/2022 10:10*	WG1924071

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	26.9	C5 T8	0.485	0.664	8	09/11/2022 04:02	WG1924268
Acrylonitrile	U	T8	0.0480	0.166	8	09/11/2022 04:02	WG1924268
Benzene	5.61	T8	0.00621	0.0133	8	09/11/2022 04:02	WG1924268
Bromobenzene	U	T8	0.0120	0.166	8	09/11/2022 04:02	WG1924268
Bromodichloromethane	U	T8	0.00963	0.0332	8	09/11/2022 04:02	WG1924268
Bromoform	U	T8	0.0155	0.332	8	09/11/2022 04:02	WG1924268
Bromomethane	U	T8	0.0262	0.166	8	09/11/2022 04:02	WG1924268
n-Butylbenzene	2.84	T8	0.0698	0.166	8	09/11/2022 04:02	WG1924268
sec-Butylbenzene	0.955	T8	0.0382	0.166	8	09/11/2022 04:02	WG1924268
tert-Butylbenzene	U	T8	0.0259	0.0664	8	09/11/2022 04:02	WG1924268
Carbon tetrachloride	U	T8	0.0119	0.0664	8	09/11/2022 04:02	WG1924268
Chlorobenzene	U	T8	0.00279	0.0332	8	09/11/2022 04:02	WG1924268
Chlorodibromomethane	U	T8	0.00814	0.0332	8	09/11/2022 04:02	WG1924268
Chloroethane	U	T8	0.0226	0.0664	8	09/11/2022 04:02	WG1924268
Chloroform	U	T8	0.0137	0.0332	8	09/11/2022 04:02	WG1924268
Chloromethane	U	T8	0.0578	0.166	8	09/11/2022 04:02	WG1924268
2-Chlorotoluene	U	T8	0.0115	0.0332	8	09/11/2022 04:02	WG1924268
4-Chlorotoluene	U	T8	0.00598	0.0664	8	09/11/2022 04:02	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.0518	0.332	8	09/11/2022 04:02	WG1924268
1,2-Dibromoethane	U	T8	0.00860	0.0332	8	09/11/2022 04:02	WG1924268
Dibromomethane	U	T8	0.00997	0.0664	8	09/11/2022 04:02	WG1924268
1,2-Dichlorobenzene	U	T8	0.00565	0.0664	8	09/11/2022 04:02	WG1924268
1,3-Dichlorobenzene	U	T8	0.00797	0.0664	8	09/11/2022 04:02	WG1924268
1,4-Dichlorobenzene	U	T8	0.00930	0.0664	8	09/11/2022 04:02	WG1924268
Dichlorodifluoromethane	U	T8	0.0214	0.0332	8	09/11/2022 04:02	WG1924268
1,1-Dichloroethane	U	T8	0.00653	0.0332	8	09/11/2022 04:02	WG1924268
1,2-Dichloroethane	0.107	T8	0.00862	0.0332	8	09/11/2022 04:02	WG1924268
1,1-Dichloroethene	U	T8	0.00806	0.0332	8	09/11/2022 04:02	WG1924268
cis-1,2-Dichloroethene	U	T8	0.00975	0.0332	8	09/11/2022 04:02	WG1924268
trans-1,2-Dichloroethene	U	T8	0.0138	0.0664	8	09/11/2022 04:02	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.0189	0.0664	8	09/11/2022 04:02	WG1924268
1,1-Dichloropropene	U	T8	0.0107	0.0332	8	09/11/2022 04:02	WG1924268
1,3-Dichloropropane	U	T8	0.00666	0.0664	8	09/11/2022 04:02	WG1924268
cis-1,3-Dichloropropene	U	T8	0.0101	0.0332	8	09/11/2022 04:02	WG1924268
trans-1,3-Dichloropropene	U	T8	0.0151	0.0664	8	09/11/2022 04:02	WG1924268
2,2-Dichloropropane	U	T8	0.0183	0.0332	8	09/11/2022 04:02	WG1924268
Di-isopropyl ether	U	T8	0.00545	0.0133	8	09/11/2022 04:02	WG1924268
Ethylbenzene	U	T8	0.00980	0.0332	8	09/11/2022 04:02	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.0797	0.332	8	09/11/2022 04:02	WG1924268
Isopropylbenzene	2.56	T8	0.00565	0.0332	8	09/11/2022 04:02	WG1924268
p-Isopropyltoluene	0.731	T8	0.0339	0.0664	8	09/11/2022 04:02	WG1924268
2-Butanone (MEK)	U	T8	0.844	1.33	8	09/11/2022 04:02	WG1924268
Methylene Chloride	U	T8	0.0882	0.332	8	09/11/2022 04:02	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.0302	0.332	8	09/11/2022 04:02	WG1924268
Methyl tert-butyl ether	0.00980	J T8	0.00465	0.0133	8	09/11/2022 04:02	WG1924268
Naphthalene	5.75	C3 T8	0.0648	0.166	8	09/11/2022 04:02	WG1924268
n-Propylbenzene	5.95	T8	0.0126	0.0664	8	09/11/2022 04:02	WG1924268
Styrene	U	T8	0.00304	0.166	8	09/11/2022 04:02	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.0126	0.0332	8	09/11/2022 04:02	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.00924	0.0332	8	09/11/2022 04:02	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.0100	0.0332	8	09/11/2022 04:02	WG1924268
Tetrachloroethene	U	T8	0.0119	0.0332	8	09/11/2022 04:02	WG1924268
Toluene	U	T8	0.0173	0.0664	8	09/11/2022 04:02	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.0973	0.166	8	09/11/2022 04:02	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.0585	0.166	8	09/11/2022 04:02	WG1924268
1,1,1-Trichloroethane	U	T8	0.0123	0.0332	8	09/11/2022 04:02	WG1924268
1,1,2-Trichloroethane	U	T8	0.00794	0.0332	8	09/11/2022 04:02	WG1924268
Trichloroethene	U	T8	0.00776	0.0133	8	09/11/2022 04:02	WG1924268
Trichlorofluoromethane	U	T8	0.0110	0.0332	8	09/11/2022 04:02	WG1924268
1,2,3-Trichloropropane	U	T8	0.0216	0.166	8	09/11/2022 04:02	WG1924268
1,2,4-Trimethylbenzene	32.1	T8	0.262	0.830	100	09/12/2022 16:09	WG1924563
1,2,3-Trimethylbenzene	13.6	T8	0.0209	0.0664	8	09/11/2022 04:02	WG1924268
1,3,5-Trimethylbenzene	14.0	T8	0.0266	0.0664	8	09/11/2022 04:02	WG1924268
Vinyl chloride	U	T8	0.0154	0.0332	8	09/11/2022 04:02	WG1924268
Xylenes, Total	32.2		0.146	1.08	100	09/12/2022 16:09	WG1924563
(S) Toluene-d8	*102*			*75.0-131*		*09/11/2022 04:02*	WG1924268
(S) Toluene-d8	*104*			*75.0-131*		*09/12/2022 16:09*	WG1924563
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/11/2022 04:02*	WG1924268
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*09/12/2022 16:09*	WG1924563
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/11/2022 04:02*	WG1924268
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*09/12/2022 16:09*	WG1924563

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	21.5		1.72	5.19	1	09/10/2022 11:03	WG1923912
Residual Range Organics (RRO)	U		4.32	13.0	1	09/10/2022 11:03	WG1923912
(S) o-Terphenyl	*48.8*			*18.0-148*		*09/10/2022 11:03*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.163		0.00910	0.0908	1	09/09/2022 22:02	WG1921213
Dalapon	U		0.0147	0.0908	1	09/06/2022 23:23	WG1921213
2,4-DB	U		0.0385	0.0908	1	09/06/2022 23:23	WG1921213
Dicamba	U		0.0204	0.0908	1	09/06/2022 23:23	WG1921213
Dichloroprop	U		0.0318	0.0908	1	09/06/2022 23:23	WG1921213
Dinoseb	0.0830	J	0.00904	0.0908	1	09/09/2022 22:02	WG1921213
MCPA	U		0.575	8.43	1	09/06/2022 23:23	WG1921213
MCPP	U		0.476	8.43	1	09/06/2022 23:23	WG1921213
2,4,5-T	U	J4	0.0110	0.0908	1	09/06/2022 23:23	WG1921213
2,4,5-TP (Silvex)	U		0.0139	0.0908	1	09/06/2022 23:23	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*76.4*			*22.0-132*		*09/06/2022 23:23*	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*55.3*			*22.0-132*		*09/09/2022 22:02*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00298	0.00778	1	09/10/2022 13:04	WG1923945
Acenaphthene	U		0.00271	0.00778	1	09/10/2022 13:04	WG1923945
Acenaphthylene	U		0.00280	0.00778	1	09/10/2022 13:04	WG1923945
Benzo(a)anthracene	U		0.00224	0.00778	1	09/10/2022 13:04	WG1923945
Benzo(a)pyrene	U		0.00232	0.00778	1	09/10/2022 13:04	WG1923945
Benzo(b)fluoranthene	U		0.00198	0.00778	1	09/10/2022 13:04	WG1923945
Benzo(g,h,i)perylene	U		0.00230	0.00778	1	09/10/2022 13:04	WG1923945
Benzo(k)fluoranthene	U		0.00279	0.00778	1	09/10/2022 13:04	WG1923945
Chrysene	U		0.00301	0.00778	1	09/10/2022 13:04	WG1923945
Dibenz(a,h)anthracene	U		0.00223	0.00778	1	09/10/2022 13:04	WG1923945
Fluoranthene	U		0.00294	0.00778	1	09/10/2022 13:04	WG1923945
Fluorene	U		0.00266	0.00778	1	09/10/2022 13:04	WG1923945
Indeno(1,2,3-cd)pyrene	U		0.00235	0.00778	1	09/10/2022 13:04	WG1923945
Naphthalene	1.04		0.00529	0.0259	1	09/10/2022 13:04	WG1923945
Phenanthrene	U		0.00300	0.00778	1	09/10/2022 13:04	WG1923945
Pyrene	U		0.00259	0.00778	1	09/10/2022 13:04	WG1923945
1-Methylnaphthalene	0.424		0.00582	0.0259	1	09/10/2022 13:04	WG1923945
2-Methylnaphthalene	0.980		0.00554	0.0259	1	09/10/2022 13:04	WG1923945
2-Chloronaphthalene	U		0.00604	0.0259	1	09/10/2022 13:04	WG1923945
(S) Nitrobenzene-d5	*42.5*			*14.0-149*		*09/10/2022 13:04*	WG1923945
(S) 2-Fluorobiphenyl	*32.3*	J2		*34.0-125*		*09/10/2022 13:04*	WG1923945
(S) p-Terphenyl-d14	*28.4*			*23.0-120*		*09/10/2022 13:04*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	13.9	J	1.46	27.6	1	09/12/2022 07:40	WG1924574
Sulfate	790		17.8	69.0	1	09/12/2022 07:40	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.85		0.714	2.76	1	09/18/2022 17:04	WG1924913
Cadmium	0.278	J	0.0650	0.690	1	09/18/2022 17:04	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	266		1.52	4.50	25	09/13/2022 20:00	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*09/13/2022 20:00*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.525	0.719	8	09/12/2022 16:28	WG1924563
Acrylonitrile	U	T8	0.0520	0.180	8	09/11/2022 04:21	WG1924268
Benzene	4.05	T8	0.00672	0.0144	8	09/11/2022 04:21	WG1924268
Bromobenzene	U	T8	0.0129	0.180	8	09/11/2022 04:21	WG1924268
Bromodichloromethane	U	T8	0.0104	0.0360	8	09/11/2022 04:21	WG1924268
Bromoform	U	T8	0.0168	0.360	8	09/11/2022 04:21	WG1924268
Bromomethane	U	T8	0.0284	0.180	8	09/11/2022 04:21	WG1924268
n-Butylbenzene	0.450	T8	0.0755	0.180	8	09/11/2022 04:21	WG1924268
sec-Butylbenzene	0.182	T8	0.0414	0.180	8	09/11/2022 04:21	WG1924268
tert-Butylbenzene	U	T8	0.0281	0.0719	8	09/11/2022 04:21	WG1924268
Carbon tetrachloride	U	T8	0.0129	0.0719	8	09/11/2022 04:21	WG1924268
Chlorobenzene	U	T8	0.00302	0.0360	8	09/11/2022 04:21	WG1924268
Chlorodibromomethane	U	T8	0.00881	0.0360	8	09/11/2022 04:21	WG1924268
Chloroethane	U	T8	0.0245	0.0719	8	09/11/2022 04:21	WG1924268
Chloroform	U	T8	0.0148	0.0360	8	09/11/2022 04:21	WG1924268
Chloromethane	U	T8	0.0626	0.180	8	09/11/2022 04:21	WG1924268
2-Chlorotoluene	U	T8	0.0124	0.0360	8	09/11/2022 04:21	WG1924268
4-Chlorotoluene	U	T8	0.00647	0.0719	8	09/11/2022 04:21	WG1924268
1,2-Dibromo-3-Chloropropane	U	T8	0.0561	0.360	8	09/11/2022 04:21	WG1924268
1,2-Dibromoethane	U	T8	0.00931	0.0360	8	09/11/2022 04:21	WG1924268
Dibromomethane	U	T8	0.0108	0.0719	8	09/11/2022 04:21	WG1924268
1,2-Dichlorobenzene	U	T8	0.00611	0.0719	8	09/11/2022 04:21	WG1924268
1,3-Dichlorobenzene	U	T8	0.00863	0.0719	8	09/11/2022 04:21	WG1924268
1,4-Dichlorobenzene	U	T8	0.0101	0.0719	8	09/11/2022 04:21	WG1924268
Dichlorodifluoromethane	U	T8	0.0232	0.0360	8	09/11/2022 04:21	WG1924268
1,1-Dichloroethane	U	T8	0.00707	0.0360	8	09/11/2022 04:21	WG1924268
1,2-Dichloroethane	U	T8	0.00933	0.0360	8	09/11/2022 04:21	WG1924268
1,1-Dichloroethene	U	T8	0.00872	0.0360	8	09/11/2022 04:21	WG1924268
cis-1,2-Dichloroethene	U	T8	0.0106	0.0360	8	09/11/2022 04:21	WG1924268
trans-1,2-Dichloroethene	U	T8	0.0150	0.0719	8	09/11/2022 04:21	WG1924268

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.0205	0.0719	8	09/11/2022 04:21	WG1924268
1,1-Dichloropropene	U	T8	0.0116	0.0360	8	09/11/2022 04:21	WG1924268
1,3-Dichloropropane	U	T8	0.00721	0.0719	8	09/11/2022 04:21	WG1924268
cis-1,3-Dichloropropene	U	T8	0.0109	0.0360	8	09/11/2022 04:21	WG1924268
trans-1,3-Dichloropropene	U	T8	0.0164	0.0719	8	09/11/2022 04:21	WG1924268
2,2-Dichloropropane	U	T8	0.0198	0.0360	8	09/11/2022 04:21	WG1924268
Di-isopropyl ether	U	T8	0.00590	0.0144	8	09/11/2022 04:21	WG1924268
Ethylbenzene	U	T8	0.0106	0.0360	8	09/11/2022 04:21	WG1924268
Hexachloro-1,3-butadiene	U	T8	0.0863	0.360	8	09/11/2022 04:21	WG1924268
Isopropylbenzene	0.379	T8	0.00611	0.0360	8	09/11/2022 04:21	WG1924268
p-Isopropyltoluene	0.137	T8	0.0367	0.0719	8	09/11/2022 04:21	WG1924268
2-Butanone (MEK)	1.25	J T8	0.913	1.44	8	09/11/2022 04:21	WG1924268
Methylene Chloride	U	T8	0.0955	0.360	8	09/11/2022 04:21	WG1924268
4-Methyl-2-pentanone (MIBK)	U	T8	0.0327	0.360	8	09/11/2022 04:21	WG1924268
Methyl tert-butyl ether	U	T8	0.00503	0.0144	8	09/11/2022 04:21	WG1924268
Naphthalene	1.46	C3 T8	0.0701	0.180	8	09/11/2022 04:21	WG1924268
n-Propylbenzene	0.236	T8	0.0137	0.0719	8	09/11/2022 04:21	WG1924268
Styrene	U	T8	0.00329	0.180	8	09/11/2022 04:21	WG1924268
1,1,1,2-Tetrachloroethane	U	T8	0.0136	0.0360	8	09/11/2022 04:21	WG1924268
1,1,2,2-Tetrachloroethane	U	T8	0.0100	0.0360	8	09/11/2022 04:21	WG1924268
1,1,2-Trichlorotrifluoroethane	U	T8	0.0108	0.0360	8	09/11/2022 04:21	WG1924268
Tetrachloroethene	U	T8	0.0129	0.0360	8	09/11/2022 04:21	WG1924268
Toluene	U	T8	0.0187	0.0719	8	09/11/2022 04:21	WG1924268
1,2,3-Trichlorobenzene	U	C3 T8	0.105	0.180	8	09/11/2022 04:21	WG1924268
1,2,4-Trichlorobenzene	U	C3 T8	0.0633	0.180	8	09/11/2022 04:21	WG1924268
1,1,1-Trichloroethane	U	T8	0.0133	0.0360	8	09/11/2022 04:21	WG1924268
1,1,2-Trichloroethane	U	T8	0.00860	0.0360	8	09/11/2022 04:21	WG1924268
Trichloroethene	U	T8	0.00840	0.0144	8	09/11/2022 04:21	WG1924268
Trichlorofluoromethane	U	T8	0.0119	0.0360	8	09/11/2022 04:21	WG1924268
1,2,3-Trichloropropane	U	T8	0.0234	0.180	8	09/11/2022 04:21	WG1924268
1,2,4-Trimethylbenzene	7.91	T8	0.0227	0.0719	8	09/12/2022 16:28	WG1924563
1,2,3-Trimethylbenzene	1.72	T8	0.0227	0.0719	8	09/11/2022 04:21	WG1924268
1,3,5-Trimethylbenzene	0.865	T8	0.0288	0.0719	8	09/11/2022 04:21	WG1924268
Vinyl chloride	U	T8	0.0167	0.0360	8	09/11/2022 04:21	WG1924268
Xylenes, Total	2.73		0.0127	0.0935	8	09/12/2022 16:28	WG1924563
(S) Toluene-d8	*101*			*75.0-131*		*09/11/2022 04:21*	WG1924268
(S) Toluene-d8	*107*			*75.0-131*		*09/12/2022 16:28*	WG1924563
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/11/2022 04:21*	WG1924268
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*09/12/2022 16:28*	WG1924563
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*09/11/2022 04:21*	WG1924268
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*09/12/2022 16:28*	WG1924563

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.72	J	1.83	5.52	1	09/10/2022 11:16	WG1923912
Residual Range Organics (RRO)	U		4.59	13.8	1	09/10/2022 11:16	WG1923912
(S) o-Terphenyl	*65.9*			*18.0-148*		*09/10/2022 11:16*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U	J3	0.00968	0.0966	1	09/06/2022 23:38	WG1921213
Dalapon	U	J3 J6	0.0156	0.0966	1	09/06/2022 23:38	WG1921213
2,4-DB	U	J3	0.0410	0.0966	1	09/06/2022 23:38	WG1921213
Dicamba	U	J6	0.0217	0.0966	1	09/06/2022 23:38	WG1921213
Dichloroprop	U	J3	0.0338	0.0966	1	09/06/2022 23:38	WG1921213
Dinoseb	U	J3	0.00961	0.0966	1	09/06/2022 23:38	WG1921213
MCPA	U	J3	0.611	8.97	1	09/06/2022 23:38	WG1921213
MCPP	U	J3	0.506	8.97	1	09/06/2022 23:38	WG1921213
2,4,5-T	U	J3 J4	0.0118	0.0966	1	09/06/2022 23:38	WG1921213
2,4,5-TP (Silvex)	U	J3	0.0148	0.0966	1	09/06/2022 23:38	WG1921213
(S) 2,4-Dichlorophenyl Acetic Acid	*30.5*			*22.0-132*		*09/06/2022 23:38*	WG1921213

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00317	0.00828	1	09/10/2022 13:24	WG1923945
Acenaphthene	U		0.00288	0.00828	1	09/10/2022 13:24	WG1923945
Acenaphthylene	U		0.00298	0.00828	1	09/10/2022 13:24	WG1923945
Benzo(a)anthracene	U		0.00239	0.00828	1	09/10/2022 13:24	WG1923945
Benzo(a)pyrene	U		0.00247	0.00828	1	09/10/2022 13:24	WG1923945
Benzo(b)fluoranthene	U		0.00211	0.00828	1	09/10/2022 13:24	WG1923945
Benzo(g,h,i)perylene	U		0.00244	0.00828	1	09/10/2022 13:24	WG1923945
Benzo(k)fluoranthene	U		0.00297	0.00828	1	09/10/2022 13:24	WG1923945
Chrysene	U		0.00320	0.00828	1	09/10/2022 13:24	WG1923945
Dibenz(a,h)anthracene	U		0.00237	0.00828	1	09/10/2022 13:24	WG1923945
Fluoranthene	U		0.00313	0.00828	1	09/10/2022 13:24	WG1923945
Fluorene	U		0.00283	0.00828	1	09/10/2022 13:24	WG1923945
Indeno(1,2,3-cd)pyrene	U		0.00250	0.00828	1	09/10/2022 13:24	WG1923945
Naphthalene	0.374		0.00563	0.0276	1	09/10/2022 13:24	WG1923945
Phenanthrene	U		0.00319	0.00828	1	09/10/2022 13:24	WG1923945
Pyrene	U		0.00276	0.00828	1	09/10/2022 13:24	WG1923945
1-Methylnaphthalene	0.123		0.00619	0.0276	1	09/10/2022 13:24	WG1923945
2-Methylnaphthalene	0.248		0.00589	0.0276	1	09/10/2022 13:24	WG1923945
2-Chloronaphthalene	U		0.00643	0.0276	1	09/10/2022 13:24	WG1923945
(S) Nitrobenzene-d5	*65.8*			*14.0-149*		*09/10/2022 13:24*	WG1923945
(S) 2-Fluorobiphenyl	*67.7*			*34.0-125*		*09/10/2022 13:24*	WG1923945
(S) p-Terphenyl-d14	*64.3*			*23.0-120*		*09/10/2022 13:24*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	9270		122	2290	100	09/12/2022 08:44	WG1924574
Sulfate	15200		1480	5740	100	09/12/2022 08:44	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.13		0.594	2.29	1	09/18/2022 17:06	WG1924913
Cadmium	3.60		0.0540	0.574	1	09/18/2022 17:06	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.20	B J	1.10	3.24	25	09/13/2022 20:23	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*09/13/2022 20:23*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0473	0.0647	1	09/15/2022 17:46	WG1926772
Acrylonitrile	U	T8	0.00467	0.0162	1	09/15/2022 17:46	WG1926772
Benzene	0.00113	J T8	0.000605	0.00129	1	09/15/2022 17:46	WG1926772
Bromobenzene	U	T8	0.00117	0.0162	1	09/15/2022 17:46	WG1926772
Bromodichloromethane	U	T8	0.000939	0.00324	1	09/15/2022 17:46	WG1926772
Bromoform	U	T8	0.00152	0.0324	1	09/15/2022 17:46	WG1926772
Bromomethane	U	T8	0.00255	0.0162	1	09/15/2022 17:46	WG1926772
n-Butylbenzene	U	T8	0.00680	0.0162	1	09/15/2022 17:46	WG1926772
sec-Butylbenzene	U	T8	0.00373	0.0162	1	09/15/2022 17:46	WG1926772
tert-Butylbenzene	U	T8	0.00253	0.00647	1	09/15/2022 17:46	WG1926772
Carbon tetrachloride	U	T8	0.00116	0.00647	1	09/15/2022 17:46	WG1926772
Chlorobenzene	U	T8	0.000272	0.00324	1	09/15/2022 17:46	WG1926772
Chlorodibromomethane	U	T8	0.000792	0.00324	1	09/15/2022 17:46	WG1926772
Chloroethane	U	T8	0.00220	0.00647	1	09/15/2022 17:46	WG1926772
Chloroform	U	T8	0.00133	0.00324	1	09/15/2022 17:46	WG1926772
Chloromethane	U	T8	0.00563	0.0162	1	09/15/2022 17:46	WG1926772
2-Chlorotoluene	U	T8	0.00112	0.00324	1	09/15/2022 17:46	WG1926772
4-Chlorotoluene	U	T8	0.000583	0.00647	1	09/15/2022 17:46	WG1926772
1,2-Dibromo-3-Chloropropane	U	T8	0.00505	0.0324	1	09/15/2022 17:46	WG1926772
1,2-Dibromoethane	U	T8	0.000839	0.00324	1	09/15/2022 17:46	WG1926772
Dibromomethane	U	T8	0.000971	0.00647	1	09/15/2022 17:46	WG1926772
1,2-Dichlorobenzene	0.0118	T8	0.000550	0.00647	1	09/15/2022 17:46	WG1926772
1,3-Dichlorobenzene	U	T8	0.000777	0.00647	1	09/15/2022 17:46	WG1926772
1,4-Dichlorobenzene	U	T8	0.000906	0.00647	1	09/15/2022 17:46	WG1926772
Dichlorodifluoromethane	U	T8	0.00208	0.00324	1	09/15/2022 17:46	WG1926772
1,1-Dichloroethane	U	T8	0.000636	0.00324	1	09/15/2022 17:46	WG1926772
1,2-Dichloroethane	U	T8	0.000840	0.00324	1	09/15/2022 17:46	WG1926772
1,1-Dichloroethene	U	T8	0.000785	0.00324	1	09/15/2022 17:46	WG1926772
cis-1,2-Dichloroethene	U	T8	0.000950	0.00324	1	09/15/2022 17:46	WG1926772
trans-1,2-Dichloroethene	U	T8	0.00135	0.00647	1	09/15/2022 17:46	WG1926772

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00184	0.00647	1	09/15/2022 17:46	WG1926772
1,1-Dichloropropene	U	T8	0.00105	0.00324	1	09/15/2022 17:46	WG1926772
1,3-Dichloropropane	U	T8	0.000649	0.00647	1	09/15/2022 17:46	WG1926772
cis-1,3-Dichloropropene	U	T8	0.000980	0.00324	1	09/15/2022 17:46	WG1926772
trans-1,3-Dichloropropene	U	T8	0.00148	0.00647	1	09/15/2022 17:46	WG1926772
2,2-Dichloropropane	U	T8	0.00179	0.00324	1	09/15/2022 17:46	WG1926772
Di-isopropyl ether	U	T8	0.000531	0.00129	1	09/15/2022 17:46	WG1926772
Ethylbenzene	0.00100	J T8	0.000954	0.00324	1	09/15/2022 17:46	WG1926772
Hexachloro-1,3-butadiene	U	T8	0.00777	0.0324	1	09/15/2022 17:46	WG1926772
Isopropylbenzene	U	T8	0.000550	0.00324	1	09/15/2022 17:46	WG1926772
p-Isopropyltoluene	U	T8	0.00330	0.00647	1	09/15/2022 17:46	WG1926772
2-Butanone (MEK)	U	T8	0.0822	0.129	1	09/15/2022 17:46	WG1926772
Methylene Chloride	U	T8	0.00860	0.0324	1	09/15/2022 17:46	WG1926772
4-Methyl-2-pentanone (MIBK)	U	T8	0.00295	0.0324	1	09/15/2022 17:46	WG1926772
Methyl tert-butyl ether	0.000906	J T8	0.000453	0.00129	1	09/15/2022 17:46	WG1926772
Naphthalene	U	C3 T8	0.00632	0.0162	1	09/15/2022 17:46	WG1926772
n-Propylbenzene	U	T8	0.00123	0.00647	1	09/15/2022 17:46	WG1926772
Styrene	U	T8	0.000297	0.0162	1	09/15/2022 17:46	WG1926772
1,1,1,2-Tetrachloroethane	U	T8	0.00123	0.00324	1	09/15/2022 17:46	WG1926772
1,1,2,2-Tetrachloroethane	U	T8	0.000900	0.00324	1	09/15/2022 17:46	WG1926772
1,1,2-Trichlorotrifluoroethane	U	T8	0.000976	0.00324	1	09/15/2022 17:46	WG1926772
Tetrachloroethene	U	T8	0.00116	0.00324	1	09/15/2022 17:46	WG1926772
Toluene	0.00328	J T8	0.00168	0.00647	1	09/15/2022 17:46	WG1926772
1,2,3-Trichlorobenzene	U	C3 T8	0.00949	0.0162	1	09/15/2022 17:46	WG1926772
1,2,4-Trichlorobenzene	U	C3 T8	0.00570	0.0162	1	09/15/2022 17:46	WG1926772
1,1,1-Trichloroethane	U	T8	0.00120	0.00324	1	09/15/2022 17:46	WG1926772
1,1,2-Trichloroethane	U	T8	0.000773	0.00324	1	09/15/2022 17:46	WG1926772
Trichloroethene	U	T8	0.000756	0.00129	1	09/15/2022 17:46	WG1926772
Trichlorofluoromethane	0.0330	T8	0.00107	0.00324	1	09/15/2022 17:46	WG1926772
1,2,3-Trichloropropane	U	T8	0.00210	0.0162	1	09/15/2022 17:46	WG1926772
1,2,4-Trimethylbenzene	0.00399	J T8	0.00205	0.00647	1	09/15/2022 17:46	WG1926772
1,2,3-Trimethylbenzene	U	T8	0.00205	0.00647	1	09/15/2022 17:46	WG1926772
1,3,5-Trimethylbenzene	0.00300	J T8	0.00259	0.00647	1	09/15/2022 17:46	WG1926772
Vinyl chloride	U	T8	0.00150	0.00324	1	09/15/2022 17:46	WG1926772
Xylenes, Total	0.00663	J	0.00114	0.00842	1	09/15/2022 17:46	WG1926772
(S) Toluene-d8	*98.4*			*75.0-131*		*09/15/2022 17:46*	WG1926772
(S) 4-Bromofluorobenzene	*85.5*			*67.0-138*		*09/15/2022 17:46*	WG1926772
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*09/15/2022 17:46*	WG1926772

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	23.7		1.53	4.59	1	09/10/2022 12:21	WG1923912
Residual Range Organics (RRO)	73.1		3.82	11.5	1	09/10/2022 12:21	WG1923912
(S) o-Terphenyl	*60.1*			*18.0-148*		*09/10/2022 12:21*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.0794	J P T8	0.00805	0.0803	1	09/20/2022 21:03	WG1925979
Dalapon	U	T8	0.0130	0.0803	1	09/20/2022 21:03	WG1925979
2,4-DB	U	T8	0.0341	0.0803	1	09/20/2022 21:03	WG1925979
Dicamba	U	T8	0.0180	0.0803	1	09/20/2022 21:03	WG1925979
Dichloroprop	U	T8	0.0281	0.0803	1	09/20/2022 21:03	WG1925979
Dinoseb	U	T8	0.00800	0.0803	1	09/20/2022 21:03	WG1925979

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U	T8	0.508	7.46	1	09/20/2022 21:03	WG1925979
MCPP	U	T8	0.421	7.46	1	09/20/2022 21:03	WG1925979
2,4,5-T	U	T8	0.00977	0.0803	1	09/20/2022 21:03	WG1925979
2,4,5-TP (Silvex)	U	T8	0.0123	0.0803	1	09/20/2022 21:03	WG1925979
(S) 2,4-Dichlorophenyl Acetic Acid	*88.6*			*22.0-132*		*09/20/2022 21:03*	WG1925979

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00264	0.00688	1	09/10/2022 15:23	WG1923945
Acenaphthene	U		0.00240	0.00688	1	09/10/2022 15:23	WG1923945
Acenaphthylene	U		0.00248	0.00688	1	09/10/2022 15:23	WG1923945
Benzo(a)anthracene	0.00228	J	0.00198	0.00688	1	09/10/2022 15:23	WG1923945
Benzo(a)pyrene	0.00267	J	0.00205	0.00688	1	09/10/2022 15:23	WG1923945
Benzo(b)fluoranthene	0.00842		0.00176	0.00688	1	09/10/2022 15:23	WG1923945
Benzo(g,h,i)perylene	0.00461	J	0.00203	0.00688	1	09/10/2022 15:23	WG1923945
Benzo(k)fluoranthene	U		0.00247	0.00688	1	09/10/2022 15:23	WG1923945
Chrysene	0.00605	J	0.00266	0.00688	1	09/10/2022 15:23	WG1923945
Dibenz(a,h)anthracene	U		0.00197	0.00688	1	09/10/2022 15:23	WG1923945
Fluoranthene	0.0118		0.00260	0.00688	1	09/10/2022 15:23	WG1923945
Fluorene	U		0.00235	0.00688	1	09/10/2022 15:23	WG1923945
Indeno(1,2,3-cd)pyrene	0.00451	J	0.00208	0.00688	1	09/10/2022 15:23	WG1923945
Naphthalene	U		0.00468	0.0229	1	09/10/2022 15:23	WG1923945
Phenanthrene	0.00878		0.00265	0.00688	1	09/10/2022 15:23	WG1923945
Pyrene	0.00734		0.00229	0.00688	1	09/10/2022 15:23	WG1923945
1-Methylnaphthalene	U		0.00515	0.0229	1	09/10/2022 15:23	WG1923945
2-Methylnaphthalene	U		0.00490	0.0229	1	09/10/2022 15:23	WG1923945
2-Chloronaphthalene	U		0.00535	0.0229	1	09/10/2022 15:23	WG1923945
(S) Nitrobenzene-d5	*42.2*			*14.0-149*		*09/10/2022 15:23*	WG1923945
(S) 2-Fluorobiphenyl	*40.0*			*34.0-125*		*09/10/2022 15:23*	WG1923945
(S) p-Terphenyl-d14	*39.1*			*23.0-120*		*09/10/2022 15:23*	WG1923945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	09/12/2022 15:42	WG1924166

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	20400	J	1200	22800	1030	09/12/2022 18:53	WG1924574
Sulfate	20600		1470	5690	103	09/12/2022 09:00	WG1924574

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	14.4		0.572	2.21	1	09/18/2022 17:09	WG1924913
Cadmium	2.41		0.0520	0.552	1	09/18/2022 17:09	WG1924913

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.66	B J	1.03	3.02	25	09/13/2022 20:46	WG1925672
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*09/13/2022 20:46*	WG1925672

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0441	0.0605	1	09/15/2022 18:06	WG1926772
Acrylonitrile	U	T8	0.00437	0.0151	1	09/15/2022 18:06	WG1926772
Benzene	U	T8	0.000565	0.00121	1	09/15/2022 18:06	WG1926772
Bromobenzene	U	T8	0.00109	0.0151	1	09/15/2022 18:06	WG1926772
Bromodichloromethane	U	T8	0.000877	0.00302	1	09/15/2022 18:06	WG1926772
Bromoform	U	T8	0.00142	0.0302	1	09/15/2022 18:06	WG1926772
Bromomethane	U	T8	0.00238	0.0151	1	09/15/2022 18:06	WG1926772
n-Butylbenzene	U	T8	0.00635	0.0151	1	09/15/2022 18:06	WG1926772
sec-Butylbenzene	U	T8	0.00348	0.0151	1	09/15/2022 18:06	WG1926772
tert-Butylbenzene	U	T8	0.00236	0.00605	1	09/15/2022 18:06	WG1926772
Carbon tetrachloride	U	T8	0.00109	0.00605	1	09/15/2022 18:06	WG1926772
Chlorobenzene	U	T8	0.000254	0.00302	1	09/15/2022 18:06	WG1926772
Chlorodibromomethane	U	T8	0.000740	0.00302	1	09/15/2022 18:06	WG1926772
Chloroethane	U	T8	0.00206	0.00605	1	09/15/2022 18:06	WG1926772
Chloroform	U	T8	0.00125	0.00302	1	09/15/2022 18:06	WG1926772
Chloromethane	U	T8	0.00526	0.0151	1	09/15/2022 18:06	WG1926772
2-Chlorotoluene	U	T8	0.00105	0.00302	1	09/15/2022 18:06	WG1926772
4-Chlorotoluene	U	T8	0.000544	0.00605	1	09/15/2022 18:06	WG1926772
1,2-Dibromo-3-Chloropropane	U	T8	0.00472	0.0302	1	09/15/2022 18:06	WG1926772
1,2-Dibromoethane	U	T8	0.000784	0.00302	1	09/15/2022 18:06	WG1926772
Dibromomethane	U	T8	0.000907	0.00605	1	09/15/2022 18:06	WG1926772
1,2-Dichlorobenzene	0.0233	T8	0.000514	0.00605	1	09/15/2022 18:06	WG1926772
1,3-Dichlorobenzene	U	T8	0.000726	0.00605	1	09/15/2022 18:06	WG1926772
1,4-Dichlorobenzene	U	T8	0.000847	0.00605	1	09/15/2022 18:06	WG1926772
Dichlorodifluoromethane	U	T8	0.00195	0.00302	1	09/15/2022 18:06	WG1926772
1,1-Dichloroethane	U	T8	0.000594	0.00302	1	09/15/2022 18:06	WG1926772
1,2-Dichloroethane	U	T8	0.000785	0.00302	1	09/15/2022 18:06	WG1926772
1,1-Dichloroethene	U	T8	0.000733	0.00302	1	09/15/2022 18:06	WG1926772
cis-1,2-Dichloroethene	U	T8	0.000888	0.00302	1	09/15/2022 18:06	WG1926772
trans-1,2-Dichloroethene	U	T8	0.00126	0.00605	1	09/15/2022 18:06	WG1926772

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U	T8	0.00172	0.00605	1	09/15/2022 18:06	WG1926772
1,1-Dichloropropene	U	T8	0.000979	0.00302	1	09/15/2022 18:06	WG1926772
1,3-Dichloropropane	U	T8	0.000606	0.00605	1	09/15/2022 18:06	WG1926772
cis-1,3-Dichloropropene	U	T8	0.000916	0.00302	1	09/15/2022 18:06	WG1926772
trans-1,3-Dichloropropene	U	T8	0.00138	0.00605	1	09/15/2022 18:06	WG1926772
2,2-Dichloropropane	U	T8	0.00167	0.00302	1	09/15/2022 18:06	WG1926772
Di-isopropyl ether	U	T8	0.000496	0.00121	1	09/15/2022 18:06	WG1926772
Ethylbenzene	U	T8	0.000891	0.00302	1	09/15/2022 18:06	WG1926772
Hexachloro-1,3-butadiene	U	T8	0.00726	0.0302	1	09/15/2022 18:06	WG1926772
Isopropylbenzene	U	T8	0.000514	0.00302	1	09/15/2022 18:06	WG1926772
p-Isopropyltoluene	U	T8	0.00308	0.00605	1	09/15/2022 18:06	WG1926772
2-Butanone (MEK)	U	T8	0.0768	0.121	1	09/15/2022 18:06	WG1926772
Methylene Chloride	U	T8	0.00803	0.0302	1	09/15/2022 18:06	WG1926772
4-Methyl-2-pentanone (MIBK)	U	T8	0.00276	0.0302	1	09/15/2022 18:06	WG1926772
Methyl tert-butyl ether	U	T8	0.000423	0.00121	1	09/15/2022 18:06	WG1926772
Naphthalene	U	C3 T8	0.00590	0.0151	1	09/15/2022 18:06	WG1926772
n-Propylbenzene	U	T8	0.00115	0.00605	1	09/15/2022 18:06	WG1926772
Styrene	U	T8	0.000277	0.0151	1	09/15/2022 18:06	WG1926772
1,1,1,2-Tetrachloroethane	U	T8	0.00115	0.00302	1	09/15/2022 18:06	WG1926772
1,1,2,2-Tetrachloroethane	U	T8	0.000841	0.00302	1	09/15/2022 18:06	WG1926772
1,1,2-Trichlorotrifluoroethane	U	T8	0.000912	0.00302	1	09/15/2022 18:06	WG1926772
Tetrachloroethene	U	T8	0.00108	0.00302	1	09/15/2022 18:06	WG1926772
Toluene	0.00203	J T8	0.00157	0.00605	1	09/15/2022 18:06	WG1926772
1,2,3-Trichlorobenzene	U	C3 T8	0.00887	0.0151	1	09/15/2022 18:06	WG1926772
1,2,4-Trichlorobenzene	U	C3 T8	0.00532	0.0151	1	09/15/2022 18:06	WG1926772
1,1,1-Trichloroethane	U	T8	0.00112	0.00302	1	09/15/2022 18:06	WG1926772
1,1,2-Trichloroethane	U	T8	0.000722	0.00302	1	09/15/2022 18:06	WG1926772
Trichloroethene	U	T8	0.000706	0.00121	1	09/15/2022 18:06	WG1926772
Trichlorofluoromethane	U	T8	0.00100	0.00302	1	09/15/2022 18:06	WG1926772
1,2,3-Trichloropropane	U	T8	0.00196	0.0151	1	09/15/2022 18:06	WG1926772
1,2,4-Trimethylbenzene	0.00233	J T8	0.00191	0.00605	1	09/15/2022 18:06	WG1926772
1,2,3-Trimethylbenzene	0.00206	J T8	0.00191	0.00605	1	09/15/2022 18:06	WG1926772
1,3,5-Trimethylbenzene	U	T8	0.00242	0.00605	1	09/15/2022 18:06	WG1926772
Vinyl chloride	U	T8	0.00140	0.00302	1	09/15/2022 18:06	WG1926772
Xylenes, Total	0.00258	J	0.00106	0.00786	1	09/15/2022 18:06	WG1926772
(S) Toluene-d8	*99.9*			*75.0-131*		*09/15/2022 18:06*	WG1926772
(S) 4-Bromofluorobenzene	*89.7*			*67.0-138*		*09/15/2022 18:06*	WG1926772
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/15/2022 18:06*	WG1926772

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	7.51		1.47	4.42	1	09/10/2022 12:08	WG1923912
Residual Range Organics (RRO)	33.0		3.68	11.0	1	09/10/2022 12:08	WG1923912
(S) o-Terphenyl	*70.0*			*18.0-148*		*09/10/2022 12:08*	WG1923912

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	0.0689	J T8	0.00776	0.0773	1	09/21/2022 00:15	WG1925979
Dalapon	U	T8	0.0125	0.0773	1	09/21/2022 00:15	WG1925979
2,4-DB	U	J5 T8	0.0328	0.0773	1	09/21/2022 00:15	WG1925979
Dicamba	U	T8	0.0173	0.0773	1	09/21/2022 00:15	WG1925979
Dichloroprop	U	T8	0.0271	0.0773	1	09/21/2022 00:15	WG1925979
Dinoseb	U	T8	0.00770	0.0773	1	09/21/2022 00:15	WG1925979

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U	T8	0.489	7.18	1	09/21/2022 00:15	WG1925979
MCPP	U	T8	0.405	7.18	1	09/21/2022 00:15	WG1925979
2,4,5-T	U	T8	0.00941	0.0773	1	09/21/2022 00:15	WG1925979
2,4,5-TP (Silvex)	U	T8	0.0118	0.0773	1	09/21/2022 00:15	WG1925979
(S) 2,4-Dichlorophenyl Acetic Acid	*80.2*			*22.0-132*		*09/21/2022 00:15*	WG1925979

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00254	0.00663	1	09/10/2022 15:04	WG1923945
Acenaphthene	U		0.00231	0.00663	1	09/10/2022 15:04	WG1923945
Acenaphthylene	U		0.00239	0.00663	1	09/10/2022 15:04	WG1923945
Benzo(a)anthracene	0.00404	J	0.00191	0.00663	1	09/10/2022 15:04	WG1923945
Benzo(a)pyrene	0.00488	J	0.00198	0.00663	1	09/10/2022 15:04	WG1923945
Benzo(b)fluoranthene	0.00705		0.00169	0.00663	1	09/10/2022 15:04	WG1923945
Benzo(g,h,i)perylene	0.00540	J	0.00196	0.00663	1	09/10/2022 15:04	WG1923945
Benzo(k)fluoranthene	U		0.00238	0.00663	1	09/10/2022 15:04	WG1923945
Chrysene	0.00493	J	0.00256	0.00663	1	09/10/2022 15:04	WG1923945
Dibenz(a,h)anthracene	U		0.00190	0.00663	1	09/10/2022 15:04	WG1923945
Fluoranthene	0.00929		0.00251	0.00663	1	09/10/2022 15:04	WG1923945
Fluorene	U		0.00226	0.00663	1	09/10/2022 15:04	WG1923945
Indeno(1,2,3-cd)pyrene	0.00451	J	0.00200	0.00663	1	09/10/2022 15:04	WG1923945
Naphthalene	U		0.00451	0.0221	1	09/10/2022 15:04	WG1923945
Phenanthrene	0.00366	J	0.00255	0.00663	1	09/10/2022 15:04	WG1923945
Pyrene	0.00750		0.00221	0.00663	1	09/10/2022 15:04	WG1923945
1-Methylnaphthalene	U		0.00496	0.0221	1	09/10/2022 15:04	WG1923945
2-Methylnaphthalene	U		0.00472	0.0221	1	09/10/2022 15:04	WG1923945
2-Chloronaphthalene	U		0.00515	0.0221	1	09/10/2022 15:04	WG1923945
(S) Nitrobenzene-d5	*54.6*			*14.0-149*		*09/10/2022 15:04*	WG1923945
(S) 2-Fluorobiphenyl	*59.1*			*34.0-125*		*09/10/2022 15:04*	WG1923945
(S) p-Terphenyl-d14	*57.2*			*23.0-120*		*09/10/2022 15:04*	WG1923945

Method Blank (MB)

(MB) R3836175-1 09/12/22 07:39

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

L1530282-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1530282-03 09/12/22 07:39 • (DUP) R3836175-3 09/12/22 07:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.3	73.1	1	0.285		10

Laboratory Control Sample (LCS)

(LCS) R3836175-2 09/12/22 07:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3836390-1 09/12/22 15:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1530282-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1530282-13 09/12/22 15:42 • (DUP) R3836390-3 09/12/22 15:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.2	85.9	1	1.46		10

Laboratory Control Sample (LCS)

(LCS) R3836390-2 09/12/22 15:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3837019-1 09/12/22 23:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1533510-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1533510-10 09/13/22 05:00 • (DUP) R3837019-3 09/13/22 05:18

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1.04	0.000		15
Sulfate	U	U	1.04	0.000		15

L1533995-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1533995-01 09/13/22 07:41 • (DUP) R3837019-6 09/13/22 07:59

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	3.10	3.21	1	3.64	J	15
Sulfate	24.2	22.0	1	9.47	J	15

Laboratory Control Sample (LCS)

(LCS) R3837019-2 09/13/22 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	37.2	93.0	80.0-120	
Sulfate	200	193	96.6	80.0-120	

L1533510-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533510-10 09/13/22 05:00 • (MS) R3837019-4 09/13/22 05:36 • (MSD) R3837019-5 09/13/22 05:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	130	U	125	129	96.7	99.6	1.02	80.0-120			3.00	15
Sulfate	648	U	503	519	77.7	80.1	1.02	80.0-120	J6		3.04	15

L1533995-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533995-01 09/13/22 07:41 • (MS) R3837019-7 09/13/22 08:17 • (MSD) R3837019-8 09/13/22 08:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	120	3.10	117	117	95.2	95.2	1	80.0-120			0.0742	15
Sulfate	598	24.2	599	594	96.1	95.3	1	80.0-120			0.884	15

Method Blank (MB)

(MB) R3836292-1 09/12/22 01:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1530282-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1530282-12 09/12/22 07:40 • (DUP) R3836292-3 09/12/22 07:56

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	13.9	13.7	1	1.79	J	15
Sulfate	790	777	1	1.56		15

L1534472-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1534472-03 09/12/22 09:48 • (DUP) R3836292-5 09/12/22 10:03

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	6.84	7.08	1.02	3.48	J	15
Sulfate	198	192	1.02	3.37		15

Laboratory Control Sample (LCS)

(LCS) R3836292-2 09/12/22 01:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	35.8	89.6	80.0-120	
Sulfate	200	190	95.0	80.0-120	

L1534472-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534472-03 09/12/22 09:48 • (MS) R3836292-6 09/12/22 10:19 • (MSD) R3836292-7 09/12/22 10:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	102	6.84	114	109	105	100	1.05	80.0-120			4.01	15
Sulfate	512	198	756	726	109	103	1.05	80.0-120			3.98	15

Method Blank (MB)

(MB) R3839400-1 09/20/22 16:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3839400-2 09/20/22 16:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.0	94.0	80.0-120	
Cadmium	100	94.5	94.5	80.0-120	

L1534062-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534062-01 09/20/22 16:34 • (MS) R3839400-5 09/20/22 16:41 • (MSD) R3839400-6 09/20/22 16:44

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	1.33	93.6	87.4	92.2	86.0	1	75.0-125			6.86	20
Cadmium	100	0.147	93.5	87.4	93.3	87.3	1	75.0-125			6.71	20

Method Blank (MB)

(MB) R3838468-1 09/18/22 16:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3838468-2 09/18/22 16:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.5	96.5	80.0-120	
Cadmium	100	93.3	93.3	80.0-120	

L1534185-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534185-23 09/18/22 16:34 • (MS) R3838468-5 09/18/22 16:42 • (MSD) R3838468-6 09/18/22 16:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	120	5.29	117	115	93.7	91.7	1	75.0-125			2.04	20
Cadmium	120	U	111	110	92.8	91.5	1	75.0-125			1.45	20

Method Blank (MB)

(MB) R3836625-3 09/13/22 04:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	1.85	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*

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

(LCS) R3836625-1 09/13/22 03:11 • (LCSD) R3836625-2 09/13/22 03:34

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 %
TPHG C6 - C12	5.50	5.03	5.49	91.5	99.8	71.0-124			8.75	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*102*	*77.0-120*				

Method Blank (MB)

(MB) R3837153-2 09/13/22 17:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	1.27	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3837153-1 09/13/22 14:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	6.41	117	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

Method Blank (MB)

(MB) R3837689-3 09/10/22 21:51

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	0.00153	J	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	0.00250
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

Method Blank (MB)

(MB) R3837689-3 09/10/22 21:51

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3837689-1 09/10/22 20:37 • (LCSD) R3837689-2 09/10/22 20:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	2.01	1.12	322	179	10.0-160	J4	J3 J4	56.9	31
Acrylonitrile	0.625	1.08	0.807	173	129	45.0-153	J4	J3	28.9	22
Benzene	0.125	0.133	0.141	106	113	70.0-123			5.84	20
Bromobenzene	0.125	0.114	0.123	91.2	98.4	73.0-121			7.59	20
Bromodichloromethane	0.125	0.129	0.146	103	117	73.0-121			12.4	20

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

(LCS) R3837689-1 09/10/22 20:37 • (LCSD) R3837689-2 09/10/22 20:55

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 %
Bromoform	0.125	0.114	0.112	91.2	89.6	64.0-132			1.77	20
Bromomethane	0.125	0.0736	0.101	58.9	80.8	56.0-147		J3	31.4	20
n-Butylbenzene	0.125	0.122	0.131	97.6	105	68.0-135			7.11	20
sec-Butylbenzene	0.125	0.135	0.144	108	115	74.0-130			6.45	20
tert-Butylbenzene	0.125	0.127	0.139	102	111	75.0-127			9.02	20
Carbon tetrachloride	0.125	0.138	0.151	110	121	66.0-128			9.00	20
Chlorobenzene	0.125	0.124	0.128	99.2	102	76.0-128			3.17	20
Chlorodibromomethane	0.125	0.121	0.122	96.8	97.6	74.0-127			0.823	20
Chloroethane	0.125	0.0967	0.113	77.4	90.4	61.0-134			15.5	20
Chloroform	0.125	0.137	0.143	110	114	72.0-123			4.29	20
Chloromethane	0.125	0.0788	0.0826	63.0	66.1	51.0-138			4.71	20
2-Chlorotoluene	0.125	0.138	0.141	110	113	75.0-124			2.15	20
4-Chlorotoluene	0.125	0.117	0.129	93.6	103	75.0-124			9.76	20
1,2-Dibromo-3-Chloropropane	0.125	0.119	0.101	95.2	80.8	59.0-130			16.4	20
1,2-Dibromoethane	0.125	0.141	0.138	113	110	74.0-128			2.15	20
Dibromomethane	0.125	0.149	0.149	119	119	75.0-122			0.000	20
1,2-Dichlorobenzene	0.125	0.124	0.125	99.2	100	76.0-124			0.803	20
1,3-Dichlorobenzene	0.125	0.124	0.127	99.2	102	76.0-125			2.39	20
1,4-Dichlorobenzene	0.125	0.115	0.121	92.0	96.8	77.0-121			5.08	20
Dichlorodifluoromethane	0.125	0.119	0.130	95.2	104	43.0-156			8.84	20
1,1-Dichloroethane	0.125	0.138	0.140	110	112	70.0-127			1.44	20
1,2-Dichloroethane	0.125	0.138	0.144	110	115	65.0-131			4.26	20
1,1-Dichloroethene	0.125	0.157	0.161	126	129	65.0-131			2.52	20
cis-1,2-Dichloroethene	0.125	0.124	0.143	99.2	114	73.0-125			14.2	20
trans-1,2-Dichloroethene	0.125	0.128	0.140	102	112	71.0-125			8.96	20
1,2-Dichloropropane	0.125	0.139	0.157	111	126	74.0-125		J4	12.2	20
1,1-Dichloropropene	0.125	0.146	0.155	117	124	73.0-125			5.98	20
1,3-Dichloropropane	0.125	0.140	0.141	112	113	80.0-125			0.712	20
cis-1,3-Dichloropropene	0.125	0.137	0.144	110	115	76.0-127			4.98	20
trans-1,3-Dichloropropene	0.125	0.128	0.135	102	108	73.0-127			5.32	20
2,2-Dichloropropane	0.125	0.151	0.160	121	128	59.0-135			5.79	20
Di-isopropyl ether	0.125	0.140	0.142	112	114	60.0-136			1.42	20
Ethylbenzene	0.125	0.125	0.132	100	106	74.0-126			5.45	20
Hexachloro-1,3-butadiene	0.125	0.0956	0.0889	76.5	71.1	57.0-150			7.26	20
Isopropylbenzene	0.125	0.125	0.126	100	101	72.0-127			0.797	20
p-Isopropyltoluene	0.125	0.121	0.130	96.8	104	72.0-133			7.17	20
2-Butanone (MEK)	0.625	1.14	0.968	182	155	30.0-160	J4		16.3	24
Methylene Chloride	0.125	0.139	0.148	111	118	68.0-123			6.27	20
4-Methyl-2-pentanone (MIBK)	0.625	0.813	0.729	130	117	56.0-143			10.9	20
Methyl tert-butyl ether	0.125	0.153	0.138	122	110	66.0-132			10.3	20

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

(LCS) R3837689-1 09/10/22 20:37 • (LCSD) R3837689-2 09/10/22 20:55

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 %
Naphthalene	0.125	0.143	0.109	114	87.2	59.0-130		J3	27.0	20
n-Propylbenzene	0.125	0.134	0.146	107	117	74.0-126			8.57	20
Styrene	0.125	0.120	0.116	96.0	92.8	72.0-127			3.39	20
1,1,1,2-Tetrachloroethane	0.125	0.134	0.125	107	100	74.0-129			6.95	20
1,1,2,2-Tetrachloroethane	0.125	0.145	0.141	116	113	68.0-128			2.80	20
1,1,2-Trichlorotrifluoroethane	0.125	0.142	0.156	114	125	61.0-139			9.40	20
Tetrachloroethene	0.125	0.123	0.122	98.4	97.6	70.0-136			0.816	20
Toluene	0.125	0.125	0.131	100	105	75.0-121			4.69	20
1,2,3-Trichlorobenzene	0.125	0.120	0.0951	96.0	76.1	59.0-139		J3	23.2	20
1,2,4-Trichlorobenzene	0.125	0.118	0.100	94.4	80.0	62.0-137			16.5	20
1,1,1-Trichloroethane	0.125	0.141	0.149	113	119	69.0-126			5.52	20
1,1,2-Trichloroethane	0.125	0.137	0.140	110	112	78.0-123			2.17	20
Trichloroethene	0.125	0.129	0.142	103	114	76.0-126			9.59	20
Trichlorofluoromethane	0.125	0.136	0.142	109	114	61.0-142			4.32	20
1,2,3-Trichloropropane	0.125	0.155	0.141	124	113	67.0-129			9.46	20
1,2,4-Trimethylbenzene	0.125	0.116	0.120	92.8	96.0	70.0-126			3.39	20
1,2,3-Trimethylbenzene	0.125	0.122	0.125	97.6	100	74.0-124			2.43	20
1,3,5-Trimethylbenzene	0.125	0.120	0.126	96.0	101	73.0-127			4.88	20
Vinyl chloride	0.125	0.117	0.130	93.6	104	63.0-134			10.5	20
Xylenes, Total	0.375	0.372	0.374	99.2	99.7	72.0-127			0.536	20
(S) Toluene-d8				*103*	*99.1*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*98.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3835894-3 09/10/22 22:08

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	0.00158	J	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	0.00250
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

Method Blank (MB)

(MB) R3835894-3 09/10/22 22:08

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

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

(LCS) R3835894-1 09/10/22 20:50 • (LCSD) R3835894-2 09/10/22 21:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.899	0.819	144	131	10.0-160			9.31	31
Acrylonitrile	0.625	0.834	0.824	133	132	45.0-153			1.21	22
Benzene	0.125	0.128	0.123	102	98.4	70.0-123			3.98	20
Bromobenzene	0.125	0.125	0.125	100	100	73.0-121			0.000	20
Bromodichloromethane	0.125	0.142	0.138	114	110	73.0-121			2.86	20

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

(LCS) R3835894-1 09/10/22 20:50 • (LCSD) R3835894-2 09/10/22 21:09

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 %
Bromoform	0.125	0.130	0.128	104	102	64.0-132			1.55	20
Bromomethane	0.125	0.132	0.125	106	100	56.0-147			5.45	20
n-Butylbenzene	0.125	0.115	0.118	92.0	94.4	68.0-135			2.58	20
sec-Butylbenzene	0.125	0.111	0.116	88.8	92.8	74.0-130			4.41	20
tert-Butylbenzene	0.125	0.119	0.123	95.2	98.4	75.0-127			3.31	20
Carbon tetrachloride	0.125	0.150	0.146	120	117	66.0-128			2.70	20
Chlorobenzene	0.125	0.116	0.114	92.8	91.2	76.0-128			1.74	20
Chlorodibromomethane	0.125	0.126	0.128	101	102	74.0-127			1.57	20
Chloroethane	0.125	0.127	0.129	102	103	61.0-134			1.56	20
Chloroform	0.125	0.139	0.131	111	105	72.0-123			5.93	20
Chloromethane	0.125	0.112	0.117	89.6	93.6	51.0-138			4.37	20
2-Chlorotoluene	0.125	0.114	0.109	91.2	87.2	75.0-124			4.48	20
4-Chlorotoluene	0.125	0.110	0.127	88.0	102	75.0-124			14.3	20
1,2-Dibromo-3-Chloropropane	0.125	0.118	0.115	94.4	92.0	59.0-130			2.58	20
1,2-Dibromoethane	0.125	0.124	0.126	99.2	101	74.0-128			1.60	20
Dibromomethane	0.125	0.143	0.130	114	104	75.0-122			9.52	20
1,2-Dichlorobenzene	0.125	0.117	0.123	93.6	98.4	76.0-124			5.00	20
1,3-Dichlorobenzene	0.125	0.113	0.119	90.4	95.2	76.0-125			5.17	20
1,4-Dichlorobenzene	0.125	0.116	0.118	92.8	94.4	77.0-121			1.71	20
Dichlorodifluoromethane	0.125	0.122	0.109	97.6	87.2	43.0-156			11.3	20
1,1-Dichloroethane	0.125	0.136	0.133	109	106	70.0-127			2.23	20
1,2-Dichloroethane	0.125	0.148	0.145	118	116	65.0-131			2.05	20
1,1-Dichloroethene	0.125	0.129	0.130	103	104	65.0-131			0.772	20
cis-1,2-Dichloroethene	0.125	0.131	0.129	105	103	73.0-125			1.54	20
trans-1,2-Dichloroethene	0.125	0.132	0.130	106	104	71.0-125			1.53	20
1,2-Dichloropropane	0.125	0.127	0.125	102	100	74.0-125			1.59	20
1,1-Dichloropropene	0.125	0.136	0.127	109	102	73.0-125			6.84	20
1,3-Dichloropropane	0.125	0.123	0.119	98.4	95.2	80.0-125			3.31	20
cis-1,3-Dichloropropene	0.125	0.142	0.132	114	106	76.0-127			7.30	20
trans-1,3-Dichloropropene	0.125	0.115	0.119	92.0	95.2	73.0-127			3.42	20
2,2-Dichloropropane	0.125	0.166	0.160	133	128	59.0-135			3.68	20
Di-isopropyl ether	0.125	0.131	0.124	105	99.2	60.0-136			5.49	20
Ethylbenzene	0.125	0.121	0.119	96.8	95.2	74.0-126			1.67	20
Hexachloro-1,3-butadiene	0.125	0.106	0.118	84.8	94.4	57.0-150			10.7	20
Isopropylbenzene	0.125	0.115	0.116	92.0	92.8	72.0-127			0.866	20
p-Isopropyltoluene	0.125	0.116	0.119	92.8	95.2	72.0-133			2.55	20
2-Butanone (MEK)	0.625	0.839	0.773	134	124	30.0-160			8.19	24
Methylene Chloride	0.125	0.134	0.130	107	104	68.0-123			3.03	20
4-Methyl-2-pentanone (MIBK)	0.625	0.765	0.744	122	119	56.0-143			2.78	20
Methyl tert-butyl ether	0.125	0.139	0.130	111	104	66.0-132			6.69	20

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

(LCS) R3835894-1 09/10/22 20:50 • (LCSD) R3835894-2 09/10/22 21:09

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 %
Naphthalene	0.125	0.0748	0.0764	59.8	61.1	59.0-130			2.12	20
n-Propylbenzene	0.125	0.119	0.128	95.2	102	74.0-126			7.29	20
Styrene	0.125	0.117	0.112	93.6	89.6	72.0-127			4.37	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.123	97.6	98.4	74.0-129			0.816	20
1,1,2,2-Tetrachloroethane	0.125	0.122	0.127	97.6	102	68.0-128			4.02	20
1,1,2-Trichlorotrifluoroethane	0.125	0.157	0.150	126	120	61.0-139			4.56	20
Tetrachloroethene	0.125	0.122	0.126	97.6	101	70.0-136			3.23	20
Toluene	0.125	0.111	0.113	88.8	90.4	75.0-121			1.79	20
1,2,3-Trichlorobenzene	0.125	0.0974	0.0976	77.9	78.1	59.0-139			0.205	20
1,2,4-Trichlorobenzene	0.125	0.0862	0.0855	69.0	68.4	62.0-137			0.815	20
1,1,1-Trichloroethane	0.125	0.146	0.140	117	112	69.0-126			4.20	20
1,1,2-Trichloroethane	0.125	0.119	0.119	95.2	95.2	78.0-123			0.000	20
Trichloroethene	0.125	0.127	0.121	102	96.8	76.0-126			4.84	20
Trichlorofluoromethane	0.125	0.138	0.134	110	107	61.0-142			2.94	20
1,2,3-Trichloropropane	0.125	0.137	0.136	110	109	67.0-129			0.733	20
1,2,4-Trimethylbenzene	0.125	0.116	0.122	92.8	97.6	70.0-126			5.04	20
1,2,3-Trimethylbenzene	0.125	0.122	0.121	97.6	96.8	74.0-124			0.823	20
1,3,5-Trimethylbenzene	0.125	0.112	0.117	89.6	93.6	73.0-127			4.37	20
Vinyl chloride	0.125	0.127	0.123	102	98.4	63.0-134			3.20	20
Xylenes, Total	0.375	0.357	0.367	95.2	97.9	72.0-127			2.76	20
(S) Toluene-d8				*98.2*	*99.0*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*97.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*121*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R3837457-2 09/12/22 12:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3837457-1 09/12/22 11:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.511	81.8	10.0-160	
1,2,4-Trimethylbenzene	0.125	0.142	114	70.0-126	
Xylenes, Total	0.375	0.400	107	72.0-127	
(S) Toluene-d8			*99.2*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R3837740-3 09/15/22 11:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon 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	0.00250
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

Method Blank (MB)

(MB) R3837740-3 09/15/22 11:35

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3837740-1 09/15/22 10:17 • (LCSD) R3837740-2 09/15/22 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.638	0.765	102	122	10.0-160			18.1	31
Acrylonitrile	0.625	0.697	0.774	112	124	45.0-153			10.5	22
Benzene	0.125	0.122	0.126	97.6	101	70.0-123			3.23	20
Bromobenzene	0.125	0.118	0.120	94.4	96.0	73.0-121			1.68	20
Bromodichloromethane	0.125	0.136	0.140	109	112	73.0-121			2.90	20

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

(LCS) R3837740-1 09/15/22 10:17 • (LCSD) R3837740-2 09/15/22 10:37

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 %
Bromoform	0.125	0.125	0.129	100	103	64.0-132			3.15	20
Bromomethane	0.125	0.109	0.102	87.2	81.6	56.0-147			6.64	20
n-Butylbenzene	0.125	0.116	0.117	92.8	93.6	68.0-135			0.858	20
sec-Butylbenzene	0.125	0.111	0.114	88.8	91.2	74.0-130			2.67	20
tert-Butylbenzene	0.125	0.115	0.123	92.0	98.4	75.0-127			6.72	20
Carbon tetrachloride	0.125	0.142	0.146	114	117	66.0-128			2.78	20
Chlorobenzene	0.125	0.108	0.111	86.4	88.8	76.0-128			2.74	20
Chlorodibromomethane	0.125	0.121	0.125	96.8	100	74.0-127			3.25	20
Chloroethane	0.125	0.103	0.105	82.4	84.0	61.0-134			1.92	20
Chloroform	0.125	0.126	0.130	101	104	72.0-123			3.12	20
Chloromethane	0.125	0.120	0.118	96.0	94.4	51.0-138			1.68	20
2-Chlorotoluene	0.125	0.114	0.111	91.2	88.8	75.0-124			2.67	20
4-Chlorotoluene	0.125	0.122	0.126	97.6	101	75.0-124			3.23	20
1,2-Dibromo-3-Chloropropane	0.125	0.128	0.127	102	102	59.0-130			0.784	20
1,2-Dibromoethane	0.125	0.120	0.122	96.0	97.6	74.0-128			1.65	20
Dibromomethane	0.125	0.127	0.128	102	102	75.0-122			0.784	20
1,2-Dichlorobenzene	0.125	0.113	0.118	90.4	94.4	76.0-124			4.33	20
1,3-Dichlorobenzene	0.125	0.115	0.107	92.0	85.6	76.0-125			7.21	20
1,4-Dichlorobenzene	0.125	0.110	0.116	88.0	92.8	77.0-121			5.31	20
Dichlorodifluoromethane	0.125	0.122	0.134	97.6	107	43.0-156			9.38	20
1,1-Dichloroethane	0.125	0.126	0.132	101	106	70.0-127			4.65	20
1,2-Dichloroethane	0.125	0.139	0.151	111	121	65.0-131			8.28	20
1,1-Dichloroethene	0.125	0.122	0.126	97.6	101	65.0-131			3.23	20
cis-1,2-Dichloroethene	0.125	0.124	0.125	99.2	100	73.0-125			0.803	20
trans-1,2-Dichloroethene	0.125	0.119	0.123	95.2	98.4	71.0-125			3.31	20
1,2-Dichloropropane	0.125	0.118	0.118	94.4	94.4	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.125	0.134	100	107	73.0-125			6.95	20
1,3-Dichloropropane	0.125	0.119	0.122	95.2	97.6	80.0-125			2.49	20
cis-1,3-Dichloropropene	0.125	0.134	0.146	107	117	76.0-127			8.57	20
trans-1,3-Dichloropropene	0.125	0.119	0.119	95.2	95.2	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.151	0.162	121	130	59.0-135			7.03	20
Di-isopropyl ether	0.125	0.129	0.132	103	106	60.0-136			2.30	20
Ethylbenzene	0.125	0.112	0.119	89.6	95.2	74.0-126			6.06	20
Hexachloro-1,3-butadiene	0.125	0.111	0.114	88.8	91.2	57.0-150			2.67	20
Isopropylbenzene	0.125	0.113	0.117	90.4	93.6	72.0-127			3.48	20
p-Isopropyltoluene	0.125	0.114	0.116	91.2	92.8	72.0-133			1.74	20
2-Butanone (MEK)	0.625	0.730	0.871	117	139	30.0-160			17.6	24
Methylene Chloride	0.125	0.116	0.122	92.8	97.6	68.0-123			5.04	20
4-Methyl-2-pentanone (MIBK)	0.625	0.743	0.766	119	123	56.0-143			3.05	20
Methyl tert-butyl ether	0.125	0.122	0.130	97.6	104	66.0-132			6.35	20

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

(LCS) R3837740-1 09/15/22 10:17 • (LCSD) R3837740-2 09/15/22 10:37

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 %
Naphthalene	0.125	0.0807	0.0840	64.6	67.2	59.0-130			4.01	20
n-Propylbenzene	0.125	0.116	0.121	92.8	96.8	74.0-126			4.22	20
Styrene	0.125	0.108	0.109	86.4	87.2	72.0-127			0.922	20
1,1,1,2-Tetrachloroethane	0.125	0.120	0.120	96.0	96.0	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.124	0.129	99.2	103	68.0-128			3.95	20
1,1,2-Trichlorotrifluoroethane	0.125	0.144	0.150	115	120	61.0-139			4.08	20
Tetrachloroethene	0.125	0.124	0.125	99.2	100	70.0-136			0.803	20
Toluene	0.125	0.110	0.111	88.0	88.8	75.0-121			0.905	20
1,2,3-Trichlorobenzene	0.125	0.0933	0.101	74.6	80.8	59.0-139			7.93	20
1,2,4-Trichlorobenzene	0.125	0.0851	0.0887	68.1	71.0	62.0-137			4.14	20
1,1,1-Trichloroethane	0.125	0.134	0.140	107	112	69.0-126			4.38	20
1,1,2-Trichloroethane	0.125	0.116	0.119	92.8	95.2	78.0-123			2.55	20
Trichloroethene	0.125	0.121	0.120	96.8	96.0	76.0-126			0.830	20
Trichlorofluoromethane	0.125	0.125	0.122	100	97.6	61.0-142			2.43	20
1,2,3-Trichloropropane	0.125	0.138	0.142	110	114	67.0-129			2.86	20
1,2,4-Trimethylbenzene	0.125	0.116	0.109	92.8	87.2	70.0-126			6.22	20
1,2,3-Trimethylbenzene	0.125	0.115	0.117	92.0	93.6	74.0-124			1.72	20
1,3,5-Trimethylbenzene	0.125	0.114	0.111	91.2	88.8	73.0-127			2.67	20
Vinyl chloride	0.125	0.124	0.127	99.2	102	63.0-134			2.39	20
Xylenes, Total	0.375	0.338	0.335	90.1	89.3	72.0-127			0.892	20
(S) Toluene-d8				*98.4*	*94.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*112*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R3839037-2 09/16/22 21:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
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	0.00250
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
p-Isopropyltoluene	U		0.00255	0.00500

Method Blank (MB)

(MB) R3839037-2 09/16/22 21:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3839037-1 09/16/22 20:07 • (LCSD) R3839037-3 09/16/22 23:11

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 %
Acrylonitrile	0.625	0.821	0.473	131	75.7	45.0-153		J3	53.8	22
Benzene	0.125	0.119	0.113	95.2	90.4	70.0-123			5.17	20
Bromobenzene	0.125	0.112	0.110	89.6	88.0	73.0-121			1.80	20
Bromodichloromethane	0.125	0.130	0.126	104	101	73.0-121			3.12	20
Bromoform	0.125	0.126	0.119	101	95.2	64.0-132			5.71	20
Bromomethane	0.125	0.102	0.0982	81.6	78.6	56.0-147			3.80	20

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

(LCS) R3839037-1 09/16/22 20:07 • (LCSD) R3839037-3 09/16/22 23:11

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 %
n-Butylbenzene	0.125	0.107	0.0996	85.6	79.7	68.0-135			7.16	20
sec-Butylbenzene	0.125	0.105	0.0998	84.0	79.8	74.0-130			5.08	20
tert-Butylbenzene	0.125	0.112	0.106	89.6	84.8	75.0-127			5.50	20
Carbon tetrachloride	0.125	0.127	0.116	102	92.8	66.0-128			9.05	20
Chlorobenzene	0.125	0.110	0.101	88.0	80.8	76.0-128			8.53	20
Chlorodibromomethane	0.125	0.123	0.115	98.4	92.0	74.0-127			6.72	20
Chloroethane	0.125	0.0999	0.0907	79.9	72.6	61.0-134			9.65	20
Chloroform	0.125	0.122	0.115	97.6	92.0	72.0-123			5.91	20
Chloromethane	0.125	0.106	0.105	84.8	84.0	51.0-138			0.948	20
2-Chlorotoluene	0.125	0.107	0.103	85.6	82.4	75.0-124			3.81	20
4-Chlorotoluene	0.125	0.108	0.110	86.4	88.0	75.0-124			1.83	20
1,2-Dibromo-3-Chloropropane	0.125	0.131	0.106	105	84.8	59.0-130		J3	21.1	20
1,2-Dibromoethane	0.125	0.118	0.112	94.4	89.6	74.0-128			5.22	20
Dibromomethane	0.125	0.126	0.121	101	96.8	75.0-122			4.05	20
1,2-Dichlorobenzene	0.125	0.114	0.106	91.2	84.8	76.0-124			7.27	20
1,3-Dichlorobenzene	0.125	0.108	0.105	86.4	84.0	76.0-125			2.82	20
1,4-Dichlorobenzene	0.125	0.110	0.102	88.0	81.6	77.0-121			7.55	20
Dichlorodifluoromethane	0.125	0.102	0.0959	81.6	76.7	43.0-156			6.16	20
1,1-Dichloroethane	0.125	0.120	0.115	96.0	92.0	70.0-127			4.26	20
1,2-Dichloroethane	0.125	0.132	0.132	106	106	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.111	0.105	88.8	84.0	65.0-131			5.56	20
cis-1,2-Dichloroethene	0.125	0.117	0.110	93.6	88.0	73.0-125			6.17	20
trans-1,2-Dichloroethene	0.125	0.116	0.103	92.8	82.4	71.0-125			11.9	20
1,2-Dichloropropane	0.125	0.119	0.116	95.2	92.8	74.0-125			2.55	20
1,1-Dichloropropene	0.125	0.115	0.113	92.0	90.4	73.0-125			1.75	20
1,3-Dichloropropane	0.125	0.123	0.115	98.4	92.0	80.0-125			6.72	20
cis-1,3-Dichloropropene	0.125	0.135	0.131	108	105	76.0-127			3.01	20
trans-1,3-Dichloropropene	0.125	0.107	0.107	85.6	85.6	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.128	0.138	102	110	59.0-135			7.52	20
Di-isopropyl ether	0.125	0.118	0.113	94.4	90.4	60.0-136			4.33	20
Ethylbenzene	0.125	0.110	0.106	88.0	84.8	74.0-126			3.70	20
Hexachloro-1,3-butadiene	0.125	0.107	0.0930	85.6	74.4	57.0-150			14.0	20
Isopropylbenzene	0.125	0.104	0.102	83.2	81.6	72.0-127			1.94	20
p-Isopropyltoluene	0.125	0.107	0.105	85.6	84.0	72.0-133			1.89	20
2-Butanone (MEK)	0.625	0.652	0.606	104	97.0	30.0-160			7.31	24
Methylene Chloride	0.125	0.114	0.102	91.2	81.6	68.0-123			11.1	20
4-Methyl-2-pentanone (MIBK)	0.625	0.716	0.660	115	106	56.0-143			8.14	20
Methyl tert-butyl ether	0.125	0.119	0.109	95.2	87.2	66.0-132			8.77	20
Naphthalene	0.125	0.0880	0.0703	70.4	56.2	59.0-130		J3 J4	22.4	20
n-Propylbenzene	0.125	0.111	0.110	88.8	88.0	74.0-126			0.905	20

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

(LCS) R3839037-1 09/16/22 20:07 • (LCSD) R3839037-3 09/16/22 23:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.111	0.102	88.8	81.6	72.0-127			8.45	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.102	89.6	81.6	74.0-129			9.35	20
1,1,2,2-Tetrachloroethane	0.125	0.119	0.112	95.2	89.6	68.0-128			6.06	20
1,1,2-Trichlorotrifluoroethane	0.125	0.132	0.120	106	96.0	61.0-139			9.52	20
Tetrachloroethene	0.125	0.119	0.111	95.2	88.8	70.0-136			6.96	20
Toluene	0.125	0.108	0.103	86.4	82.4	75.0-121			4.74	20
1,2,3-Trichlorobenzene	0.125	0.105	0.0846	84.0	67.7	59.0-139		J3	21.5	20
1,2,4-Trichlorobenzene	0.125	0.0942	0.0776	75.4	62.1	62.0-137			19.3	20
1,1,1-Trichloroethane	0.125	0.119	0.115	95.2	92.0	69.0-126			3.42	20
1,1,2-Trichloroethane	0.125	0.119	0.113	95.2	90.4	78.0-123			5.17	20
Trichloroethene	0.125	0.110	0.109	88.0	87.2	76.0-126			0.913	20
Trichlorofluoromethane	0.125	0.109	0.108	87.2	86.4	61.0-142			0.922	20
1,2,3-Trichloropropane	0.125	0.139	0.122	111	97.6	67.0-129			13.0	20
1,2,4-Trimethylbenzene	0.125	0.108	0.105	86.4	84.0	70.0-126			2.82	20
1,2,3-Trimethylbenzene	0.125	0.112	0.106	89.6	84.8	74.0-124			5.50	20
1,3,5-Trimethylbenzene	0.125	0.107	0.104	85.6	83.2	73.0-127			2.84	20
Vinyl chloride	0.125	0.111	0.112	88.8	89.6	63.0-134			0.897	20
Xylenes, Total	0.375	0.327	0.316	87.2	84.3	72.0-127			3.42	20
(S) Toluene-d8				*101*	*97.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.6*	*98.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*109*	*112*	*70.0-130*				

L1533513-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533513-02 09/17/22 00:49 • (MS) R3839037-4 09/17/22 05:23 • (MSD) R3839037-5 09/17/22 06:08

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 %
Acrylonitrile	0.700	U	0.755	1.05	108	150	1.12	10.0-160			32.7	40
Benzene	0.140	U	0.171	0.180	122	129	1.12	10.0-149			5.13	37
Bromobenzene	0.140	U	0.165	0.185	118	132	1.12	10.0-156			11.4	38
Bromodichloromethane	0.140	U	0.180	0.202	129	144	1.12	10.0-143		J5	11.5	37
Bromoform	0.140	U	0.156	0.179	111	128	1.12	10.0-146			13.7	36
Bromomethane	0.140	U	0.184	0.192	131	137	1.12	10.0-149			4.26	38
n-Butylbenzene	0.140	U	0.138	0.148	98.6	106	1.12	10.0-160			6.99	40
sec-Butylbenzene	0.140	U	0.150	0.164	107	117	1.12	10.0-159			8.92	39
tert-Butylbenzene	0.140	U	0.163	0.177	116	126	1.12	10.0-156			8.24	39
Carbon tetrachloride	0.140	U	0.187	0.198	134	141	1.12	10.0-145			5.71	37
Chlorobenzene	0.140	U	0.154	0.166	110	119	1.12	10.0-152			7.50	39
Chlorodibromomethane	0.140	U	0.159	0.183	114	131	1.12	10.0-146			14.0	37

L1533513-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533513-02 09/17/22 00:49 • (MS) R3839037-4 09/17/22 05:23 • (MSD) R3839037-5 09/17/22 06:08

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 %
Chloroethane	0.140	U	0.148	0.169	106	121	1.12	10.0-146			13.2	40
Chloroform	0.140	U	0.175	0.185	125	132	1.12	10.0-146			5.56	37
Chloromethane	0.140	U	0.0662	0.180	47.3	129	1.12	10.0-159		J3	92.4	37
2-Chlorotoluene	0.140	U	0.150	0.161	107	115	1.12	10.0-159			7.07	38
4-Chlorotoluene	0.140	U	0.158	0.186	113	133	1.12	10.0-155			16.3	39
1,2-Dibromo-3-Chloropropane	0.140	U	0.144	0.163	103	116	1.12	10.0-151			12.4	39
1,2-Dibromoethane	0.140	U	0.159	0.183	114	131	1.12	10.0-148			14.0	34
Dibromomethane	0.140	U	0.173	0.197	124	141	1.12	10.0-147			13.0	35
1,2-Dichlorobenzene	0.140	U	0.144	0.162	103	116	1.12	10.0-155			11.8	37
1,3-Dichlorobenzene	0.140	U	0.146	0.158	104	113	1.12	10.0-153			7.89	38
1,4-Dichlorobenzene	0.140	U	0.144	0.159	103	114	1.12	10.0-151			9.90	38
Dichlorodifluoromethane	0.140	U	0.176	0.180	126	129	1.12	10.0-160			2.25	35
1,1-Dichloroethane	0.140	U	0.171	0.183	122	131	1.12	10.0-147			6.78	37
1,2-Dichloroethane	0.140	U	0.190	0.210	136	150	1.12	10.0-148		J5	10.0	35
1,1-Dichloroethene	0.140	U	0.148	0.181	106	129	1.12	10.0-155			20.1	37
cis-1,2-Dichloroethene	0.140	U	0.165	0.180	118	129	1.12	10.0-149			8.70	37
trans-1,2-Dichloroethene	0.140	U	0.167	0.180	119	129	1.12	10.0-150			7.49	37
1,2-Dichloropropane	0.140	U	0.175	0.173	125	124	1.12	10.0-148			1.15	37
1,1-Dichloropropene	0.140	U	0.177	0.188	126	134	1.12	10.0-153			6.03	35
1,3-Dichloropropane	0.140	U	0.167	0.188	119	134	1.12	10.0-154			11.8	35
cis-1,3-Dichloropropene	0.140	U	0.182	0.188	130	134	1.12	10.0-151			3.24	37
trans-1,3-Dichloropropene	0.140	U	0.145	0.168	104	120	1.12	10.0-148			14.7	37
2,2-Dichloropropane	0.140	U	0.0977	0.119	69.8	85.0	1.12	10.0-138			19.7	36
Di-isopropyl ether	0.140	U	0.169	0.193	121	138	1.12	10.0-147			13.3	36
Ethylbenzene	0.140	U	0.159	0.166	114	119	1.12	10.0-160			4.31	38
Hexachloro-1,3-butadiene	0.140	U	0.116	0.100	82.9	71.4	1.12	10.0-160			14.8	40
Isopropylbenzene	0.140	U	0.152	0.162	109	116	1.12	10.0-155			6.37	38
p-Isopropyltoluene	0.140	U	0.153	0.159	109	114	1.12	10.0-160			3.85	40
2-Butanone (MEK)	0.700	U	0.778	0.969	111	138	1.12	10.0-160			21.9	40
Methylene Chloride	0.140	U	0.0612	0.0824	43.7	58.9	1.12	10.0-141			29.5	37
4-Methyl-2-pentanone (MIBK)	0.700	U	0.903	1.11	129	159	1.12	10.0-160			20.6	35
Methyl tert-butyl ether	0.140	U	0.150	0.159	107	114	1.12	11.0-147			5.83	35
Naphthalene	0.140	U	0.104	0.0981	74.3	70.1	1.12	10.0-160			5.84	36
n-Propylbenzene	0.140	U	0.165	0.171	118	122	1.12	10.0-158			3.57	38
Styrene	0.140	U	0.149	0.164	106	117	1.12	10.0-160			9.58	40
1,1,1,2-Tetrachloroethane	0.140	U	0.155	0.171	111	122	1.12	10.0-149			9.82	39
1,1,2,2-Tetrachloroethane	0.140	U	0.0356	0.0410	25.4	29.3	1.12	10.0-160			14.1	35
1,1,2-Trichlorotrifluoroethane	0.140	U	0.168	0.180	120	129	1.12	10.0-160			6.90	36
Tetrachloroethene	0.140	U	0.164	0.167	117	119	1.12	10.0-156			1.81	39
Toluene	0.140	U	0.158	0.168	113	120	1.12	10.0-156			6.13	38

L1533513-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533513-02 09/17/22 00:49 • (MS) R3839037-4 09/17/22 05:23 • (MSD) R3839037-5 09/17/22 06:08

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 %
1,2,3-Trichlorobenzene	0.140	U	0.124	0.108	88.6	77.1	1.12	10.0-160			13.8	40
1,2,4-Trichlorobenzene	0.140	U	0.104	0.0968	74.3	69.1	1.12	10.0-160			7.17	40
1,1,1-Trichloroethane	0.140	U	0.174	0.187	124	134	1.12	10.0-144			7.20	35
1,1,2-Trichloroethane	0.140	U	0.157	0.174	112	124	1.12	10.0-160			10.3	35
Trichloroethene	0.140	U	0.273	0.275	195	196	1.12	10.0-156	J5	J5	0.730	38
Trichlorofluoromethane	0.140	U	0.132	0.135	94.3	96.4	1.12	10.0-160			2.25	40
1,2,3-Trichloropropane	0.140	U	0.180	0.209	129	149	1.12	10.0-156			14.9	35
1,2,4-Trimethylbenzene	0.140	U	0.146	0.164	104	117	1.12	10.0-160			11.6	36
1,2,3-Trimethylbenzene	0.140	U	0.150	0.166	107	119	1.12	10.0-160			10.1	36
1,3,5-Trimethylbenzene	0.140	U	0.147	0.163	105	116	1.12	10.0-160			10.3	38
Vinyl chloride	0.140	U	0.190	0.193	136	138	1.12	10.0-160			1.57	37
Xylenes, Total	0.420	U	0.475	0.494	113	118	1.12	10.0-160			3.92	38
(S) Toluene-d8					*96.9*	*100*		*75.0-131*				
(S) 4-Bromofluorobenzene					*101*	*99.1*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*108*	*110*		*70.0-130*				

Method Blank (MB)

(MB) R3839578-3 09/21/22 08:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3839578-1 09/21/22 07:36 • (LCSD) R3839578-2 09/21/22 07:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.522	0.485	83.5	77.6	10.0-160			7.35	31
(S) Toluene-d8				*105*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*106*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*108*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3835917-1 09/10/22 07:53

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	*76.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3835917-2 09/10/22 08:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	41.0	82.0	50.0-150	
(S) o-Terphenyl			*94.0*	*18.0-148*	

L1530282-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-09 09/10/22 10:04 • (MS) R3835917-3 09/10/22 10:17 • (MSD) R3835917-4 09/10/22 10:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	66.3	U	54.1	29.4	81.6	44.1	1	50.0-150		J3 J6	59.3	20
(S) o-Terphenyl					*82.6*	*48.2*		*18.0-148*				

Method Blank (MB)

(MB) R3835616-1 09/06/22 19:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*88.0*			*22.0-132*

Laboratory Control Sample (LCS)

(LCS) R3835616-2 09/06/22 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.166	0.186	112	40.0-120	E
Dalapon	0.166	0.156	94.0	15.0-120	P
2,4-DB	0.166	0.195	117	25.0-143	E P
Dicamba	0.166	0.187	113	43.0-120	E
Dichloroprop	0.166	0.209	126	32.0-129	E P
Dinoseb	0.166	0.160	96.4	10.0-120	P
MCPA	16.6	20.1	121	31.0-121	E P
MCPP	16.6	16.4	98.8	28.0-133	P
2,4,5-T	0.166	0.258	155	41.0-120	E J4 P
2,4,5-TP (Silvex)	0.166	0.197	119	42.0-120	E
(S) 2,4-Dichlorophenyl Acetic Acid			*95.8*	*22.0-132*	

L1530282-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-12 09/06/22 23:38 • (MS) R3835616-3 09/06/22 23:53 • (MSD) R3835616-4 09/07/22 00:08

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.230	U	0.0852	0.0570	37.0	24.7	1	10.0-160		J3	39.8	24
Dalapon	0.230	U	0.0193	0.0371	8.38	16.1	1	10.0-121	J6	J3	63.1	27
2,4-DB	0.230	U	0.163	0.0552	70.7	24.0	1	10.0-160	P	J3	98.7	22

L1530282-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-12 09/06/22 23:38 • (MS) R3835616-3 09/06/22 23:53 • (MSD) R3835616-4 09/07/22 00:08

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dicamba	0.230	U	U	U	0.000	0.000	1	10.0-154	J6	J6	0.000	21
Dichloroprop	0.230	U	0.103	0.0386	44.8	16.8	1	10.0-158	P	J3	91.1	20
Dinoseb	0.230	U	0.164	0.0581	71.3	25.2	1	10.0-120	P	J3	95.5	40
MCPA	23.0	U	8.97	5.42	38.9	23.5	1	10.0-160		J3	49.3	40
MCPP	23.0	U	9.68	3.61	42.0	15.7	1	10.0-160	P	J3	91.3	40
2,4,5-T	0.230	U	0.0761	0.0305	33.1	13.2	1	10.0-157		J3	85.6	20
2,4,5-TP (Silvex)	0.230	U	0.124	0.0422	53.7	18.3	1	10.0-156	P	J3	98.2	20
(S) 2,4-Dichlorophenyl Acetic Acid					*83.8*	*77.8*		*22.0-132*				

Method Blank (MB)

(MB) R3839494-1 09/20/22 19:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*77.2*			*22.0-132*

Laboratory Control Sample (LCS)

(LCS) R3839494-2 09/20/22 20:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.167	0.108	64.7	40.0-120	P
Dalapon	0.167	0.0896	53.7	15.0-120	P
2,4-DB	0.167	0.0740	44.3	25.0-143	P
Dicamba	0.167	0.114	68.3	43.0-120	P
Dichloroprop	0.167	0.120	71.9	32.0-129	P
Dinoseb	0.167	0.127	76.0	10.0-120	P
MCPA	16.7	10.3	61.7	31.0-121	P
MCPP	16.7	10.9	65.3	28.0-133	P
2,4,5-T	0.167	0.110	65.9	41.0-120	P
2,4,5-TP (Silvex)	0.167	0.113	67.7	42.0-120	P
(S) 2,4-Dichlorophenyl Acetic Acid			*75.4*	*22.0-132*	

L1530282-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-14 09/21/22 00:15 • (MS) R3839494-3 09/21/22 00:30 • (MSD) R3839494-4 09/21/22 00:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.184	0.0689	0.276	0.275	112	112	1	10.0-160	E	E P	0.401	24
Dalapon	0.184	U	0.140	0.146	76.0	79.5	1	10.0-121	P	P	3.86	27
2,4-DB	0.184	U	0.369	0.331	200	181	1	10.0-160	E J5 P	E J5 P	10.7	22

L1530282-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-14 09/21/22 00:15 • (MS) R3839494-3 09/21/22 00:30 • (MSD) R3839494-4 09/21/22 00:45

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dicamba	0.184	U	0.203	0.187	110	102	1	10.0-154	E P	E P	8.50	21
Dichloroprop	0.184	U	0.171	0.176	92.8	95.8	1	10.0-158			2.55	20
Dinoseb	0.184	U	0.187	0.193	101	105	1	10.0-120	E P	E P	3.49	40
MCPA	18.4	U	19.2	16.2	104	88.6	1	10.0-160	E P	P	16.8	40
MCPP	18.4	U	26.6	26.0	144	142	1	10.0-160	E P	E P	2.52	40
2,4,5-T	0.184	U	0.171	0.161	92.8	88.0	1	10.0-157	P	P	5.98	20
2,4,5-TP (Silvex)	0.184	U	0.204	0.202	111	110	1	10.0-156	E P	E P	1.09	20
(S) 2,4-Dichlorophenyl Acetic Acid					*149*	*138*		*22.0-132*	J1	J1		

Method Blank (MB)

(MB) R3836624-2 09/10/22 08:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*64.7*			*14.0-149*
(S) 2-Fluorobiphenyl	*65.3*			*34.0-125*
(S) p-Terphenyl-d14	*65.2*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3836624-1 09/10/22 08:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0593	74.1	50.0-126	
Acenaphthene	0.0800	0.0573	71.6	50.0-120	
Acenaphthylene	0.0800	0.0582	72.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0603	75.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0563	70.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0516	64.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0510	63.8	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0520	65.0	49.0-125	
Chrysene	0.0800	0.0569	71.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0512	64.0	47.0-125	
Fluoranthene	0.0800	0.0628	78.5	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3836624-1 09/10/22 08:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0588	73.5	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0576	72.0	46.0-125	
Naphthalene	0.0800	0.0562	70.3	50.0-120	
Phenanthrene	0.0800	0.0535	66.9	47.0-120	
Pyrene	0.0800	0.0512	64.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0597	74.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0600	75.0	50.0-120	
2-Chloronaphthalene	0.0800	0.0525	65.6	50.0-120	
(S) Nitrobenzene-d5			*72.7*	*14.0-149*	
(S) 2-Fluorobiphenyl			*74.1*	*34.0-125*	
(S) p-Terphenyl-d14			*70.9*	*23.0-120*	

L1530282-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1530282-03 09/10/22 09:06 • (MS) R3836624-3 09/10/22 09:26 • (MSD) R3836624-4 09/10/22 09:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.107	U	0.0486	0.0397	45.2	37.5	1	10.0-145			20.1	30
Acenaphthene	0.107	U	0.0501	0.0401	46.6	37.9	1	14.0-127			22.1	27
Acenaphthylene	0.107	U	0.0521	0.0419	48.5	39.6	1	21.0-124			21.8	25
Benzo(a)anthracene	0.107	U	0.0471	0.0378	43.8	35.7	1	10.0-139			21.9	30
Benzo(a)pyrene	0.107	U	0.0473	0.0366	44.0	34.5	1	10.0-141			25.7	31
Benzo(b)fluoranthene	0.107	U	0.0387	0.0308	36.0	29.1	1	10.0-140			22.7	36
Benzo(g,h,i)perylene	0.107	U	0.0379	0.0303	35.3	28.6	1	10.0-140			22.4	33
Benzo(k)fluoranthene	0.107	U	0.0408	0.0327	37.9	30.9	1	10.0-137			21.9	31
Chrysene	0.107	U	0.0465	0.0393	43.3	37.1	1	10.0-145			16.9	30
Dibenz(a,h)anthracene	0.107	U	0.0400	0.0312	37.2	29.5	1	10.0-132			24.5	31
Fluoranthene	0.107	U	0.0484	0.0398	45.1	37.6	1	10.0-153			19.5	33
Fluorene	0.107	U	0.0506	0.0558	47.1	52.7	1	11.0-130			9.74	29
Indeno(1,2,3-cd)pyrene	0.107	U	0.0423	0.0334	39.3	31.6	1	10.0-137			23.4	32
Naphthalene	0.107	U	0.0577	0.155	53.7	147	1	10.0-135		J3 J5	91.7	27
Phenanthrene	0.107	U	0.0453	0.104	42.1	97.8	1	10.0-144		J3	78.3	31
Pyrene	0.107	U	0.0400	0.0376	37.2	35.6	1	10.0-148			5.98	35
1-Methylnaphthalene	0.107	U	0.0543	0.158	50.5	149	1	10.0-142		J3 J5	97.8	28
2-Methylnaphthalene	0.107	U	0.0571	0.285	53.2	269	1	10.0-137		J3 J5	133	28
2-Chloronaphthalene	0.107	U	0.0479	0.0375	44.5	35.4	1	29.0-120		J3	24.3	24
(S) Nitrobenzene-d5					*52.1*	*36.3*		*14.0-149*				
(S) 2-Fluorobiphenyl					*43.1*	*30.7*		*34.0-125*		J2		
(S) p-Terphenyl-d14					*35.4*	*22.4*		*23.0-120*		J2		

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

GLOSSARY OF TERMS

Qualifier	Description
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.
P	RPD between the primary and confirmatory analysis exceeded 40%.
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	LAO000356
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:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to: **Tyler Allen**

Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description: **Simplot-- Sunnyside, WA**

City/State Collected: Sunnyside, WA

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project # 10302086

Lab Project # **HDRBID-SUNNYSIDE**

Collected by (print): Blake Urie

Site/Facility ID # **SUNNYSIDE, WA**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y 1

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: standard TAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
P35oi|BH27-0-1-20220825.0	G	SS	0-1	08/25/22	17:45	4									-01
P35oi|BH28-10-15-20220825.0	G	SS	10-15		17:50										-02
P35oi|BH29-0-3-20220825.0	G	SS	0-3		18:00										-04
P35oi|BH30-5-10-20220825.0	G	SS	5-10		18:05										-03
P35oi|BH31-5-7.5-20220825.0	G	SS	5-7.5		18:10										-06
P35oi|BH31-12-14-20220825.0	G	SS	12-14		16:30										-07
P35oi|BH32-2-5-20220825.0	G	SS	2-5		18:40										-08
P35oi|BH33-1-3-20220825.0	G	SS	1-3	08/25/22	18:50										-09
P35oi|BH34-14-15-20220826.0	G	SS	14-15	08/26/22	11:40										-10
P35oi|BH35-~~0-5~~ 5-10-20220826.0	G	SS	5-10	08/26/22	11:30										

Chain of Custody Page 1 of 2

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/hubfs/pas-standard-terms.pdf

SDG # L530282

A118

Acctnum: **HDRBID**
Template: **T214429**
Prelogin: **P943404**
PM: **841 - Kelly Mercer**
PB: **CR 8-12-22**

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Elevated VOCs (PID Readings) In this COC pH ___ Temp ___ on hold
Multiple day shipment, All samples to be plotted ___ Other ___

Samples returned via: __UPS __FedEx __Courier _____

Tracking #

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
	08/26/22	13:10			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5+1 °C Bottles Received: 50	
				4.2 to 4.2	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/27/22 Time: 930	Hold: / Condition: NCF / OK

Company Name/Address:	Billing Information:	Pres Chk
HDR - Boise, ID 412 E. Park Center Blvd, Ste 100 Boise, ID 83706	Accounts Payable- Cheryl Reed 412 E. Park Center Blvd, Ste 100 Boise, ID 83706	
Report to: Tyler Allen	Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c	
Project Description: Simplot - Sunnyside, WA	City/State Collected:	Please Circle: PT MT CT ET
Phone: 208-387-7018	Client Project #	Lab Project # HDRBID-SUNNYSIDE
Collected by (print):	Site/Facility ID # SUNNYSIDE, WA	P.O. #
Collected by (signature): Immediately Packed on Ice N ___ Y ___	*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

Chain of Custody Page 2 of 2

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MT JULIET, TN

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SDG # 1530282
Table #
Acctnum: HDRBID
Template: T214390
Prelogin: P943304
PM: 841 - Kelly Mercer
PB: KP 8/15/22
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	Fe, Mn 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	ORP, pH, SPCON 8ozClr-NoPres	SV8151 8ozClr-NoPres	Sulfate 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr		Remarks	Sample # (lab only)
PH3BH36-10-13-20220826-0	G	SS	10-13	08/26/22	11:20	4												-11
PH3WH36-13-15-20220826-0	G	SS	13-15	08/26/22	11:16	4												-12
P3SoilSurface 1 20220826-0	G	SS	0	08/26/22	12:20	1												-13
P3SoilSurface 2 20220826-0	G	SS	0	08/26/22	12:25	1												-14
Trip Blank		SS																-15
		SS																
		SS																
		SS																
		SS																
		SS																

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_________

Remarks: Samples to be put on hold

pH _______ Temp _______
Flow _______ Other _______

Samples returned via: __ UPS __ FedEx __ Courier ________

Tracking #

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: NA Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NA TC 4.2+0=4.2 Bottles Received: 50	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/27/22 Time: 930	Hold: Condition: NCF / OK

ANALYTICAL REPORT

May 18, 2022

Revised Report

HDR - Boise, ID

Sample Delivery Group:	L1493476
Samples Received:	05/13/2022
Project Number:	
Description:	Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

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.

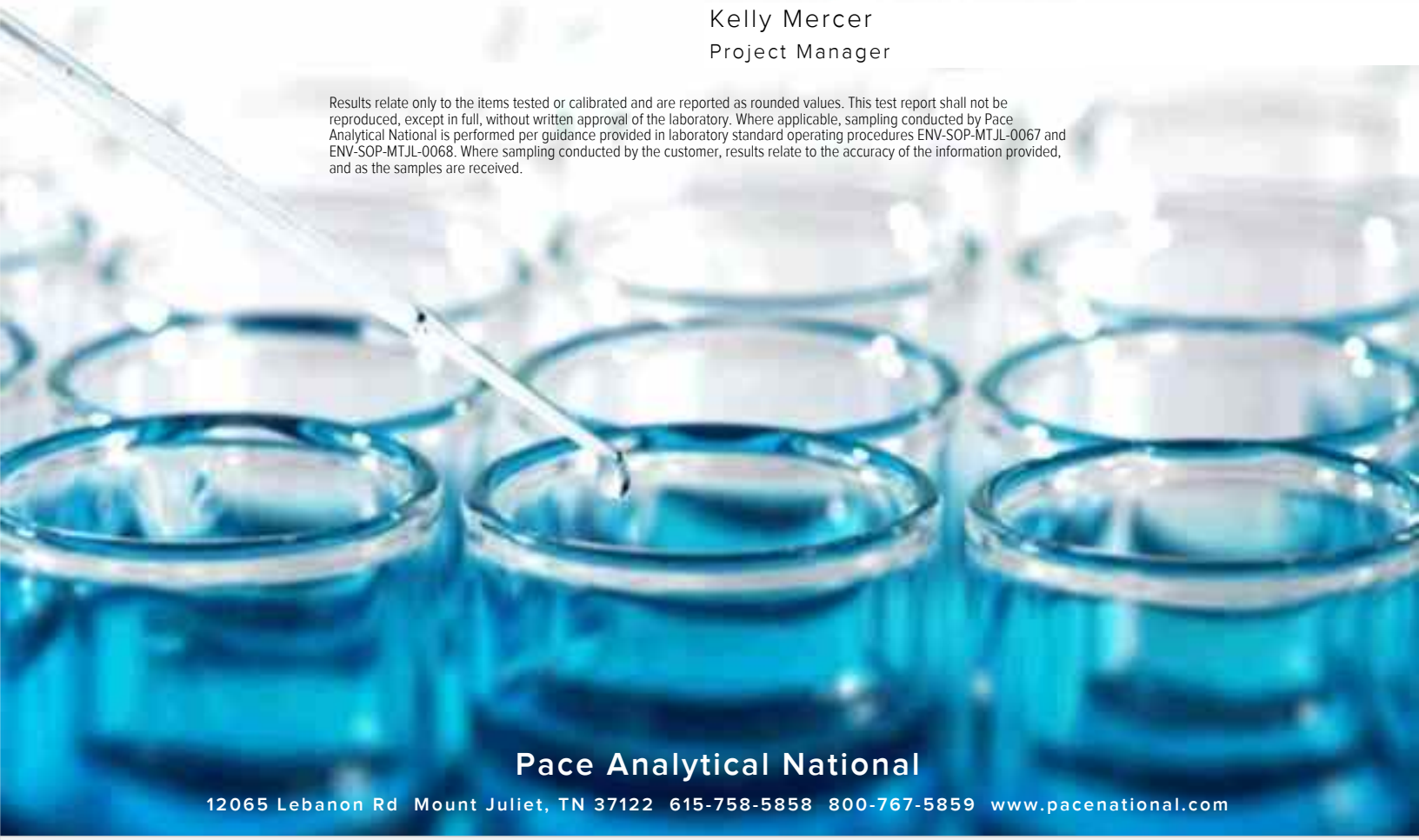


TABLE OF CONTENTS

SS-2-220511 L1493476-01 Air

Collected by	Collected date/time	Received date/time
	05/11/22 21:02	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864084	1	05/15/22 20:16	05/15/22 20:16	GLN	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1865067	1	05/17/22 16:31	05/17/22 16:31	GLN	Mt. Juliet, TN

SS-1-220511 L1493476-02 Air

Collected by	Collected date/time	Received date/time
	05/11/22 22:19	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 17:41	05/16/22 17:41	GLN	Mt. Juliet, TN

SS-DUP-220511 L1493476-03 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:00	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 18:23	05/16/22 18:23	GLN	Mt. Juliet, TN

IA-W1-20220511 L1493476-04 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:08	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 19:06	05/16/22 19:06	GLN	Mt. Juliet, TN

IA-W2-20220511 L1493476-05 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:10	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 19:48	05/16/22 19:48	GLN	Mt. Juliet, TN

IA-M-20220511 L1493476-06 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:20	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 20:31	05/16/22 20:31	GLN	Mt. Juliet, TN

IA-DUP-20220511 L1493476-07 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:30	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 21:13	05/16/22 21:13	GLN	Mt. Juliet, TN

CS-20220511 L1493476-08 Air

Collected by	Collected date/time	Received date/time
	05/11/22 23:40	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 21:55	05/16/22 21:55	GLN	Mt. Juliet, TN

SAMPLE SUMMARY

AMB-20220512 L1493476-09 Air

	Collected by	Collected date/time	Received date/time
		05/12/22 07:35	05/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1864476	1	05/16/22 22:38	05/16/22 22:38	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: 05/18/22 09:23

Project Narrative

Reissued to include total xylenes.

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	17.0	40.4		1	WG1864084
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864084
Benzene	71-43-2	78.10	0.200	0.639	0.248	0.792		1	WG1864084
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864084
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864084
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864084
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864084
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864084
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.78	5.54		1	WG1864084
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864084
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864084
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864084
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864084
Chloromethane	74-87-3	50.50	0.200	0.413	0.247	0.510		1	WG1864084
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864084
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864084
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864084
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864084
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864084
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864084
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864084
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864084
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864084
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864084
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864084
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864084
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864084
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864084
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864084
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864084
Ethanol	64-17-5	46.10	1.25	2.36	70.7	133		1	WG1864084
Ethylbenzene	100-41-4	106	0.200	0.867	0.219	0.949		1	WG1864084
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.223	1.09		1	WG1864084
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.228	1.28		1	WG1864084
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.439	2.17		1	WG1864084
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864084
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864084
Heptane	142-82-5	100	0.200	0.818	0.584	2.39		1	WG1864084
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864084
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864084
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864084
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.387	1.34		1	WG1864084
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864084
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.91	8.58		1	WG1865067
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864084
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864084
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864084
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864084
2-Propanol	67-63-0	60.10	1.25	3.07	4.73	11.6		1	WG1864084
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1865067
Styrene	100-42-5	104	0.200	0.851	0.479	2.04		1	WG1864084
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864084
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864084
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864084
Toluene	108-88-3	92.10	0.500	1.88	1.74	6.55		1	WG1864084
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864084
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864084
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864084
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.308	1.51		1	WG1864084
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864084
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864084
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864084
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864084
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864084
m&p-Xylene	1330-20-7	106	0.400	1.73	0.856	3.71		1	WG1864084
o-Xylene	95-47-6	106	0.200	0.867	0.285	1.24		1	WG1864084
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.14	4.95		1	WG1864084
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.6*				WG1864084
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG1865067

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	25.8	61.3		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.98	6.16		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.533	1.10		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	180	339	E	1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	0.248	1.08		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.258	1.27		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.224	1.26		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.453	2.24		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	0.387	1.58		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.281	0.976		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	1.51	6.18		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.83	17.2		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.27	5.20		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	6.18	15.2		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	0.497	2.11		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.222	1.51		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	6.27	18.5		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	1.63	6.14		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.390	1.91		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	1.08	4.68		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	0.455	1.97		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.54	6.69		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.6*				WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	21.9	52.0		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	0.249	0.795		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.984	3.06		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.244	0.504		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	162	305	E	1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	0.503	2.18		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.474	2.33		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.461	2.28		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	0.378	1.55		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	0.645	2.27		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.511	1.77		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.01	14.8		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	5.56	13.7		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	0.348	1.48		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.38	15.9		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	4.05	15.3		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.578	2.84		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.565	2.64		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	2.23	9.67		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	0.700	3.03		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.93	12.7		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.2*				WG1864476

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.22	5.28		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	0.749	2.39		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.561	1.16		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	8.97	16.9		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	0.434	1.88		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.241	1.18		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.467	2.31		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	0.521	2.13		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	0.970	3.42		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	8.94	33.7		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.303	1.49		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.213	0.995		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	2.33	10.1		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	0.739	3.20		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.07	13.3		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.7*				WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.06	4.90		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	0.787	2.51		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.580	1.20		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	6.96	13.1		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	0.449	1.95		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.244	1.20		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.221	1.24		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	0.532	2.18		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	1.13	3.98		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.337	1.17		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	9.23	34.8		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.295	1.45		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.225	1.05		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	2.45	10.6		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	0.760	3.29		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.21	13.9		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG1864476

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.95	16.5		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.680	1.40		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	13.6	25.6		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.472	2.33		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.221	0.767		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.02	5.96		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.3*				WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.18	19.4		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.702	1.45		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	16.8	31.7		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.245	1.38		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.450	2.23		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.219	0.760		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.97	5.81		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.5*				WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.25	5.35		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.573	1.18		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	1.30	2.45		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.482	2.38		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.458	1.59		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.76	4.18		1	WG1864476
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1864476
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1864476
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1864476
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1864476
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1864476
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1864476
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1864476
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1864476
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1864476
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1864476
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1864476
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1864476
Chloromethane	74-87-3	50.50	0.200	0.413	0.608	1.26		1	WG1864476
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1864476
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1864476
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1864476
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1864476
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1864476
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1864476
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1864476
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1864476
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1864476
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1864476
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1864476
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1864476
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1864476
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1864476
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1864476
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1864476
Ethanol	64-17-5	46.10	1.25	2.36	2.23	4.20		1	WG1864476
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1864476
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1864476
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.248	1.39		1	WG1864476
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.472	2.33		1	WG1864476
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1864476
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1864476
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1864476
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1864476
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1864476
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1864476
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.230	0.799		1	WG1864476
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1864476
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1864476
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1864476
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1864476
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1864476
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1864476
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1864476
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1864476
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1864476
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1864476
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1864476
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1864476
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1864476
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1864476

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1864476
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1864476
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1864476
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1864476
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1864476
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1864476
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1864476
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1864476
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1864476
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1864476
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1864476
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG1864476
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.6*				WG1864476

Method Blank (MB)

(MB) R3792304-3 05/15/22 11:10

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3792304-3 05/15/22 11:10

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Xylenes, Total	U		0.200	0.600
(S) 1,4-Bromofluorobenzene	*93.8*			*60.0-140*

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

(LCS) R3792304-1 05/15/22 09:47 • (LCSD) R3792304-2 05/15/22 10:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.22	4.28	113	114	70.0-130			1.41	25
Allyl Chloride	3.75	4.25	4.34	113	116	70.0-130			2.10	25
Benzene	3.75	4.32	4.38	115	117	70.0-130			1.38	25
Benzyl Chloride	3.75	4.46	4.49	119	120	70.0-152			0.670	25
Bromodichloromethane	3.75	4.23	4.28	113	114	70.0-130			1.18	25
Bromoform	3.75	4.15	4.18	111	111	70.0-130			0.720	25

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

(LCS) R3792304-1 05/15/22 09:47 • (LCSD) R3792304-2 05/15/22 10:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	3.75	3.76	3.81	100	102	70.0-130			1.32	25
1,3-Butadiene	3.75	4.20	4.31	112	115	70.0-130			2.59	25
Carbon disulfide	3.75	4.15	4.25	111	113	70.0-130			2.38	25
Carbon tetrachloride	3.75	4.21	4.27	112	114	70.0-130			1.42	25
Chlorobenzene	3.75	4.24	4.32	113	115	70.0-130			1.87	25
Chloroethane	3.75	4.25	4.30	113	115	70.0-130			1.17	25
Chloroform	3.75	4.23	4.31	113	115	70.0-130			1.87	25
Chloromethane	3.75	4.22	4.31	113	115	70.0-130			2.11	25
2-Chlorotoluene	3.75	4.29	4.38	114	117	70.0-130			2.08	25
Cyclohexane	3.75	4.34	4.46	116	119	70.0-130			2.73	25
Dibromochloromethane	3.75	4.21	4.29	112	114	70.0-130			1.88	25
1,2-Dibromoethane	3.75	4.21	4.28	112	114	70.0-130			1.65	25
1,2-Dichlorobenzene	3.75	4.32	4.38	115	117	70.0-130			1.38	25
1,3-Dichlorobenzene	3.75	4.48	4.50	119	120	70.0-130			0.445	25
1,4-Dichlorobenzene	3.75	4.71	4.72	126	126	70.0-130			0.212	25
1,2-Dichloroethane	3.75	4.17	4.27	111	114	70.0-130			2.37	25
1,1-Dichloroethane	3.75	4.32	4.38	115	117	70.0-130			1.38	25
1,1-Dichloroethene	3.75	4.31	4.36	115	116	70.0-130			1.15	25
cis-1,2-Dichloroethene	3.75	4.27	4.35	114	116	70.0-130			1.86	25
trans-1,2-Dichloroethene	3.75	4.17	4.29	111	114	70.0-130			2.84	25
1,2-Dichloropropane	3.75	4.38	4.43	117	118	70.0-130			1.14	25
cis-1,3-Dichloropropene	3.75	4.18	4.27	111	114	70.0-130			2.13	25
trans-1,3-Dichloropropene	3.75	4.25	4.30	113	115	70.0-130			1.17	25
1,4-Dioxane	3.75	4.00	4.08	107	109	70.0-140			1.98	25
Ethanol	3.75	4.16	4.29	111	114	55.0-148			3.08	25
Ethylbenzene	3.75	4.28	4.36	114	116	70.0-130			1.85	25
4-Ethyltoluene	3.75	4.38	4.46	117	119	70.0-130			1.81	25
Trichlorofluoromethane	3.75	4.26	4.35	114	116	70.0-130			2.09	25
Dichlorodifluoromethane	3.75	4.25	4.24	113	113	64.0-139			0.236	25
1,1,2-Trichlorotrifluoroethane	3.75	4.28	4.35	114	116	70.0-130			1.62	25
1,2-Dichlorotetrafluoroethane	3.75	4.33	4.40	115	117	70.0-130			1.60	25
Heptane	3.75	4.46	4.53	119	121	70.0-130			1.56	25
Hexachloro-1,3-butadiene	3.75	4.08	4.13	109	110	70.0-151			1.22	25
n-Hexane	3.75	4.37	4.43	117	118	70.0-130			1.36	25
Isopropylbenzene	3.75	4.29	4.36	114	116	70.0-130			1.62	25
Methylene Chloride	3.75	3.98	4.04	106	108	70.0-130			1.50	25
Methyl Butyl Ketone	3.75	4.05	4.13	108	110	70.0-149			1.96	25
4-Methyl-2-pentanone (MIBK)	3.75	4.37	4.43	117	118	70.0-139			1.36	25
Methyl Methacrylate	3.75	4.31	4.36	115	116	70.0-130			1.15	25
MTBE	3.75	4.30	4.40	115	117	70.0-130			2.30	25

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

(LCS) R3792304-1 05/15/22 09:47 • (LCSD) R3792304-2 05/15/22 10:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	3.75	4.05	4.09	108	109	70.0-159			0.983	25
2-Propanol	3.75	4.24	4.38	113	117	70.0-139			3.25	25
Styrene	3.75	4.35	4.43	116	118	70.0-130			1.82	25
1,1,2,2-Tetrachloroethane	3.75	4.13	4.21	110	112	70.0-130			1.92	25
Tetrachloroethylene	3.75	4.15	4.22	111	113	70.0-130			1.67	25
Tetrahydrofuran	3.75	4.28	4.38	114	117	70.0-137			2.31	25
Toluene	3.75	4.25	4.30	113	115	70.0-130			1.17	25
1,2,4-Trichlorobenzene	3.75	4.25	4.30	113	115	70.0-160			1.17	25
1,1,1-Trichloroethane	3.75	4.26	4.33	114	115	70.0-130			1.63	25
1,1,2-Trichloroethane	3.75	4.16	4.24	111	113	70.0-130			1.90	25
Trichloroethylene	3.75	4.08	4.14	109	110	70.0-130			1.46	25
1,2,4-Trimethylbenzene	3.75	4.33	4.41	115	118	70.0-130			1.83	25
1,3,5-Trimethylbenzene	3.75	4.24	4.32	113	115	70.0-130			1.87	25
2,2,4-Trimethylpentane	3.75	4.46	4.56	119	122	70.0-130			2.22	25
Vinyl chloride	3.75	4.44	4.52	118	121	70.0-130			1.79	25
Vinyl Bromide	3.75	4.22	4.29	113	114	70.0-130			1.65	25
Vinyl acetate	3.75	4.44	4.49	118	120	70.0-130			1.12	25
m&p-Xylene	7.50	8.71	8.83	116	118	70.0-130			1.37	25
o-Xylene	3.75	4.17	4.22	111	113	70.0-130			1.19	25
Xylenes, Total	11.3	12.9	13.1	114	116	70.0-130			1.54	25
(S) 1,4-Bromofluorobenzene				*98.4*	*98.0*	*60.0-140*				

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

Method Blank (MB)

(MB) R3792339-3 05/16/22 11:42

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3792339-3 05/16/22 11:42

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.247	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Xylenes, Total	U		0.200	0.600
(S) 1,4-Bromofluorobenzene	*92.4*			*60.0-140*

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

(LCS) R3792339-1 05/16/22 10:15 • (LCSD) R3792339-2 05/16/22 10:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.69	3.58	98.4	95.5	70.0-130			3.03	25
Allyl Chloride	3.75	4.60	3.60	123	96.0	70.0-130			24.4	25
Benzene	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Benzyl Chloride	3.75	3.94	4.02	105	107	70.0-152			2.01	25

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

(LCS) R3792339-1 05/16/22 10:15 • (LCSD) R3792339-2 05/16/22 10:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.90	3.82	104	102	70.0-130			2.07	25
Bromoform	3.75	3.85	3.79	103	101	70.0-130			1.57	25
Bromomethane	3.75	3.66	3.61	97.6	96.3	70.0-130			1.38	25
1,3-Butadiene	3.75	3.65	3.53	97.3	94.1	70.0-130			3.34	25
Carbon disulfide	3.75	3.77	3.67	101	97.9	70.0-130			2.69	25
Carbon tetrachloride	3.75	3.81	3.76	102	100	70.0-130			1.32	25
Chlorobenzene	3.75	4.09	4.03	109	107	70.0-130			1.48	25
Chloroethane	3.75	3.76	3.65	100	97.3	70.0-130			2.97	25
Chloroform	3.75	3.77	3.73	101	99.5	70.0-130			1.07	25
Chloromethane	3.75	3.71	3.58	98.9	95.5	70.0-130			3.57	25
2-Chlorotoluene	3.75	3.98	3.98	106	106	70.0-130			0.000	25
Cyclohexane	3.75	3.88	3.85	103	103	70.0-130			0.776	25
Dibromochloromethane	3.75	3.97	3.96	106	106	70.0-130			0.252	25
1,2-Dibromoethane	3.75	3.95	3.98	105	106	70.0-130			0.757	25
1,2-Dichlorobenzene	3.75	4.01	3.98	107	106	70.0-130			0.751	25
1,3-Dichlorobenzene	3.75	3.89	3.88	104	103	70.0-130			0.257	25
1,4-Dichlorobenzene	3.75	3.99	3.97	106	106	70.0-130			0.503	25
1,2-Dichloroethane	3.75	3.82	3.91	102	104	70.0-130			2.33	25
1,1-Dichloroethane	3.75	3.86	3.74	103	99.7	70.0-130			3.16	25
1,1-Dichloroethene	3.75	3.86	3.82	103	102	70.0-130			1.04	25
cis-1,2-Dichloroethene	3.75	3.81	3.71	102	98.9	70.0-130			2.66	25
trans-1,2-Dichloroethene	3.75	3.87	3.71	103	98.9	70.0-130			4.22	25
1,2-Dichloropropane	3.75	3.94	3.86	105	103	70.0-130			2.05	25
cis-1,3-Dichloropropene	3.75	3.81	3.84	102	102	70.0-130			0.784	25
trans-1,3-Dichloropropene	3.75	3.94	3.88	105	103	70.0-130			1.53	25
1,4-Dioxane	3.75	3.89	3.86	104	103	70.0-140			0.774	25
Ethanol	3.75	3.63	3.63	96.8	96.8	55.0-148			0.000	25
Ethylbenzene	3.75	3.86	3.85	103	103	70.0-130			0.259	25
4-Ethyltoluene	3.75	3.97	4.02	106	107	70.0-130			1.25	25
Trichlorofluoromethane	3.75	3.88	3.78	103	101	70.0-130			2.61	25
Dichlorodifluoromethane	3.75	3.91	3.80	104	101	64.0-139			2.85	25
1,1,2-Trichlorotrifluoroethane	3.75	3.95	3.84	105	102	70.0-130			2.82	25
1,2-Dichlorotetrafluoroethane	3.75	3.92	3.85	105	103	70.0-130			1.80	25
Heptane	3.75	3.81	4.03	102	107	70.0-130			5.61	25
Hexachloro-1,3-butadiene	3.75	4.05	4.05	108	108	70.0-151			0.000	25
n-Hexane	3.75	3.75	3.71	100	98.9	70.0-130			1.07	25
Isopropylbenzene	3.75	3.97	4.00	106	107	70.0-130			0.753	25
Methylene Chloride	3.75	3.69	3.50	98.4	93.3	70.0-130			5.29	25
Methyl Butyl Ketone	3.75	4.05	4.04	108	108	70.0-149			0.247	25
Methyl Ethyl Ketone	3.75	3.84	3.81	102	102	70.0-130			0.784	25

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

(LCS) R3792339-1 05/16/22 10:15 • (LCSD) R3792339-2 05/16/22 10:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.96	3.98	106	106	70.0-139			0.504	25
Methyl Methacrylate	3.75	3.83	3.98	102	106	70.0-130			3.84	25
MTBE	3.75	3.87	3.73	103	99.5	70.0-130			3.68	25
Naphthalene	3.75	3.88	3.84	103	102	70.0-159			1.04	25
2-Propanol	3.75	3.77	3.67	101	97.9	70.0-139			2.69	25
Propene	3.75	3.54	3.52	94.4	93.9	64.0-144			0.567	25
Styrene	3.75	4.04	4.01	108	107	70.0-130			0.745	25
1,1,2,2-Tetrachloroethane	3.75	3.79	3.78	101	101	70.0-130			0.264	25
Tetrachloroethylene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
Tetrahydrofuran	3.75	3.76	3.77	100	101	70.0-137			0.266	25
Toluene	3.75	3.99	3.98	106	106	70.0-130			0.251	25
1,2,4-Trichlorobenzene	3.75	4.11	4.26	110	114	70.0-160			3.58	25
1,1,1-Trichloroethane	3.75	3.95	3.85	105	103	70.0-130			2.56	25
1,1,2-Trichloroethane	3.75	3.96	3.97	106	106	70.0-130			0.252	25
Trichloroethylene	3.75	3.96	3.88	106	103	70.0-130			2.04	25
1,2,4-Trimethylbenzene	3.75	3.96	3.97	106	106	70.0-130			0.252	25
1,3,5-Trimethylbenzene	3.75	4.04	4.02	108	107	70.0-130			0.496	25
2,2,4-Trimethylpentane	3.75	3.95	3.77	105	101	70.0-130			4.66	25
Vinyl chloride	3.75	3.90	3.74	104	99.7	70.0-130			4.19	25
Vinyl Bromide	3.75	3.85	3.82	103	102	70.0-130			0.782	25
Vinyl acetate	3.75	3.74	3.56	99.7	94.9	70.0-130			4.93	25
m&p-Xylene	7.50	7.95	7.93	106	106	70.0-130			0.252	25
o-Xylene	3.75	3.91	3.93	104	105	70.0-130			0.510	25
Xylenes, Total	11.3	11.9	11.9	105	105	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*94.5*	*96.2*	*60.0-140*				

Method Blank (MB)

(MB) R3792909-3 05/17/22 10:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
2-Butanone (MEK)	U		0.0814	1.25
Propene	0.293	J	0.0932	1.25
(S) 1,4-Bromofluorobenzene	*93.7*			*60.0-140*

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

(LCS) R3792909-1 05/17/22 09:22 • (LCSD) R3792909-2 05/17/22 10:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl Ethyl Ketone	3.75	4.52	4.57	121	122	70.0-130			1.10	25
Propene	3.75	4.32	4.28	115	114	64.0-144			0.930	25
(S) 1,4-Bromofluorobenzene				*97.9*	*98.1*	*60.0-140*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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
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.

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:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Zelma Miller
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Report To:
Tyler Allen

Email To:
jered.newcomb@hdrinc.com;tyler.allen@hdrinc.com

Project Description: **Sunnyside, WA**

City/State Collected: Sunnyside WA

Please Circle: (PT) MT CT ET

Phone: **208-850-4668**

Client Project #

Lab Project #
HDRBID-SUNNYSIDE

Collected by (print): Jered Newcomb JN

Site/Facility ID #
SUNNYSIDE, WA

P.O. # 10302086

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Three Day
___ Next Day ___ Five Day
___ Two Day

Date Results Needed: Standard

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
12065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
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 # L1493476
G196

Acctnum: HDRBID
Template: T208706
Prelogin: P922664
PM: 841 - Kelly Mercer
PB: 5/5

Shipped Via: FedEx Standard

Sample ID	Can #	Flow Cont. #	Collection Date	Collection Time	Canister Pressure/Vacuum Initial	Canister Pressure/Vacuum Final	Analysis: TO-15 Summa	Rem./Contaminant	Sample # (lab only)
SS-2-220511	007330	009605	5/11/22	2102	29	2	X		01
SS-1-220511	007217	010949	5/11/22	2219	27	3	X		02
SS-DUP-220511	012543	007012	5/11/22	2300	28	3	X		03
IA-W1-20220511	007618	006466	5/11/22	2308	30	4	X		04
IA-W2-20220511	011871	007824	5/11/22	2310	30	4	X		05
IA-M-20220511	012228	008419	5/11/22	2320	30	3	X		06
IA-DUP-20220511	020008	005883	5/11/22	2330	30	3	X		07
SS-20220511	012207	005882	5/11/22	2340	30	0	X		08
AMB-20220512*	010400	011554	5/12/22	0735	28	3	X		09

Remarks: *Grab sample @ 200 mL/min
~~AMB~~
Sample Box 1 of 3

Samples returned via: __ UPS X FedEx __ Courier ____

Tracking # 5349 7825 8005

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	5/12/2022	1200			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) D. Rumsey	Date: 5-13-22	Time: 900

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

NCF:

ANALYTICAL REPORT

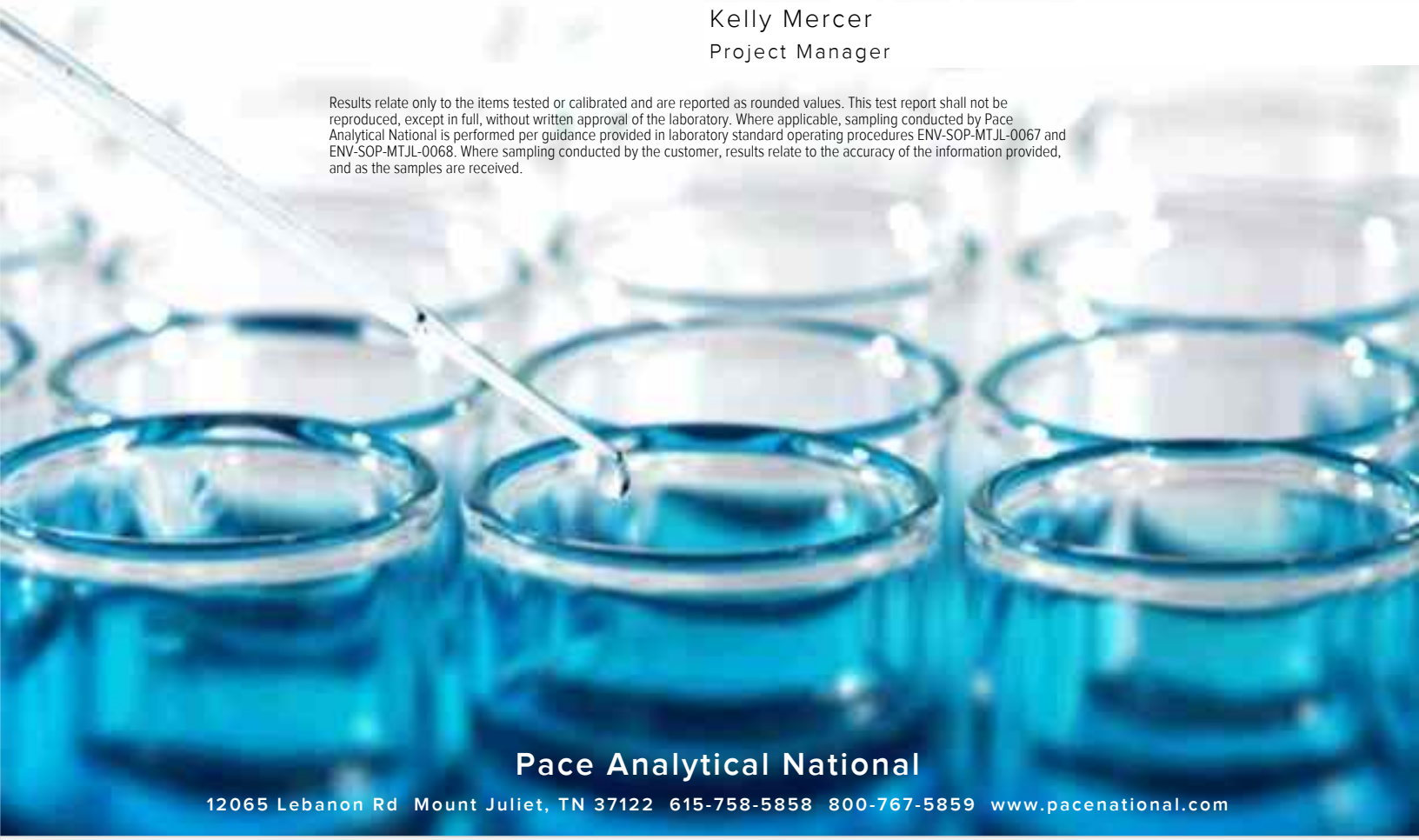
September 19, 2022

HDR - Boise, ID

Sample Delivery Group:	L1528886
Samples Received:	08/24/2022
Project Number:	10302086
Description:	Simplot-- Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

Entire Report Reviewed By:

Kelly Mercer
Project Manager



Pace Analytical National
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P3 SOIL BH1-10-12.5-20220822-0 L1528886-01 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 15:30 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916860	1	08/26/22 10:02	08/26/22 10:19	JAV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 04:02	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917159	1	08/29/22 17:07	08/30/22 18:06	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1916853	25	08/22/22 15:30	08/27/22 17:59	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917661	1	08/22/22 15:30	08/28/22 20:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 19:12	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/30/22 22:37	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 17:29	ADF	Mt. Juliet, TN

P3 SOIL BH1-12.5-15-20220822-0 L1528886-02 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 15:45 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916860	1	08/26/22 10:02	08/26/22 10:19	JAV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 04:19	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917159	1	08/29/22 17:07	08/30/22 18:09	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1918520	25	08/22/22 15:45	08/30/22 18:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917661	1	08/22/22 15:45	08/28/22 20:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 18:30	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/30/22 23:42	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 18:29	ADF	Mt. Juliet, TN

P3 SOIL BH2-7.5-10-20220822-0 L1528886-03 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 16:00 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916860	1	08/26/22 10:02	08/26/22 10:19	JAV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 05:10	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917159	1	08/29/22 17:07	08/30/22 18:11	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1916853	25	08/22/22 16:00	08/27/22 18:39	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917661	1	08/22/22 16:00	08/28/22 20:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 18:44	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 00:03	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 18:49	ADF	Mt. Juliet, TN

P3 SOIL BH3-10-12.5-20220822-0 L1528886-04 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 16:10 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 05:27	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917159	1	08/29/22 17:07	08/30/22 18:14	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1918520	535	08/22/22 16:10	08/30/22 18:29	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919279	20	08/22/22 16:10	08/31/22 13:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919601	20	08/22/22 16:10	08/31/22 17:49	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 18:58	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.04	08/30/22 08:49	08/31/22 00:25	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 19:09	ADF	Mt. Juliet, TN

P3 SOIL BH3-12.5-15-20220822-0 L1528886-05 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 16:15 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 05:44	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917159	1	08/29/22 17:07	08/30/22 18:17	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1918520	25	08/22/22 16:15	08/30/22 19:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917768	1	08/22/22 16:15	08/28/22 14:50	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919279	1	08/22/22 16:15	08/31/22 14:09	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 19:54	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.01	08/30/22 08:49	08/31/22 00:46	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 19:29	ADF	Mt. Juliet, TN

P3 SOIL BH4-10-12.5-20220822-0 L1528886-06 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 16:30 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 06:01	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917226	1	08/29/22 09:03	08/30/22 10:33	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1916853	25	08/22/22 16:30	08/27/22 19:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917768	1	08/22/22 16:30	08/28/22 15:12	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919279	1	08/22/22 16:30	08/31/22 14:29	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 20:09	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 01:08	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 19:48	ADF	Mt. Juliet, TN

P3 SOIL BH5-5-7.5-20220822-0 L1528886-07 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 18:20 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 06:18	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917226	1	08/29/22 09:03	08/30/22 10:36	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1916853	25	08/22/22 18:20	08/27/22 20:01	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917768	1	08/22/22 18:20	08/28/22 15:34	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919279	1	08/22/22 18:20	08/31/22 14:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 20:23	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 01:30	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 20:08	ADF	Mt. Juliet, TN

P3 SOIL BH5-12.5-15-20220822-0 L1528886-08 Solid

Collected by: Blake Urie | Collected date/time: 08/22/22 18:30 | Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917066	1	08/26/22 21:35	08/27/22 06:34	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917946	1	08/29/22 09:09	08/29/22 17:10	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1919159	5000	08/22/22 18:30	09/01/22 07:24	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917768	8	08/22/22 18:30	08/28/22 20:38	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1919279	400	08/22/22 18:30	08/31/22 15:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 21:33	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1	08/30/22 08:49	08/31/22 01:51	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/11/22 00:07	ADF	Mt. Juliet, TN

P3 SOIL BH6-13-15-20220822-0 L1528886-09 Solid

Collected by: Blake Urie
Collected date/time: 08/22/22 18:35
Received date/time: 08/24/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1916861	1	08/26/22 09:34	08/26/22 09:58	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1917071	1	08/26/22 19:30	08/27/22 03:20	LBR	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1917946	1	08/29/22 09:09	08/29/22 17:13	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1917409	25	08/22/22 18:35	08/30/22 19:51	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1917768	1	08/22/22 18:35	08/28/22 15:54	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1919951	1	09/02/22 09:08	09/02/22 20:37	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321	WG1918148	1.04	08/30/22 08:49	08/31/22 02:13	MSB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1924027	1	09/10/22 11:51	09/10/22 20:28	ADF	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	Batch
	%			date / time	
Total Solids	75.4		1	08/26/2022 10:19	WG1916860

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.41	26.5	1	08/27/2022 04:02	WG1917066
Sulfate	86.7		17.1	66.3	1	08/27/2022 04:02	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.41		0.687	2.65	1	08/30/2022 18:06	WG1917159
Cadmium	0.138	J	0.0624	0.663	1	08/30/2022 18:06	WG1917159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	302		1.47	4.34	25	08/27/2022 17:59	WG1916853
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*08/27/2022 17:59*	WG1916853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0634	0.0869	1	08/28/2022 20:08	WG1917661
Acrylonitrile	U		0.00627	0.0217	1	08/28/2022 20:08	WG1917661
Benzene	U		0.000812	0.00174	1	08/28/2022 20:08	WG1917661
Bromobenzene	U		0.00156	0.0217	1	08/28/2022 20:08	WG1917661
Bromodichloromethane	U		0.00126	0.00434	1	08/28/2022 20:08	WG1917661
Bromoform	U		0.00203	0.0434	1	08/28/2022 20:08	WG1917661
Bromomethane	U		0.00342	0.0217	1	08/28/2022 20:08	WG1917661
n-Butylbenzene	0.591		0.00912	0.0217	1	08/28/2022 20:08	WG1917661
sec-Butylbenzene	0.138		0.00500	0.0217	1	08/28/2022 20:08	WG1917661
tert-Butylbenzene	U		0.00339	0.00869	1	08/28/2022 20:08	WG1917661
Carbon tetrachloride	U		0.00156	0.00869	1	08/28/2022 20:08	WG1917661
Chlorobenzene	U		0.000365	0.00434	1	08/28/2022 20:08	WG1917661
Chlorodibromomethane	U		0.00106	0.00434	1	08/28/2022 20:08	WG1917661
Chloroethane	U		0.00295	0.00869	1	08/28/2022 20:08	WG1917661
Chloroform	U		0.00179	0.00434	1	08/28/2022 20:08	WG1917661
Chloromethane	U		0.00756	0.0217	1	08/28/2022 20:08	WG1917661
2-Chlorotoluene	U		0.00150	0.00434	1	08/28/2022 20:08	WG1917661
4-Chlorotoluene	U		0.000782	0.00869	1	08/28/2022 20:08	WG1917661
1,2-Dibromo-3-Chloropropane	U		0.00678	0.0434	1	08/28/2022 20:08	WG1917661
1,2-Dibromoethane	U		0.00113	0.00434	1	08/28/2022 20:08	WG1917661
Dibromomethane	U		0.00130	0.00869	1	08/28/2022 20:08	WG1917661
1,2-Dichlorobenzene	U		0.000739	0.00869	1	08/28/2022 20:08	WG1917661
1,3-Dichlorobenzene	U		0.00104	0.00869	1	08/28/2022 20:08	WG1917661
1,4-Dichlorobenzene	U		0.00122	0.00869	1	08/28/2022 20:08	WG1917661
Dichlorodifluoromethane	U	C3	0.00280	0.00434	1	08/28/2022 20:08	WG1917661
1,1-Dichloroethane	U		0.000853	0.00434	1	08/28/2022 20:08	WG1917661
1,2-Dichloroethane	U		0.00113	0.00434	1	08/28/2022 20:08	WG1917661
1,1-Dichloroethene	U		0.00105	0.00434	1	08/28/2022 20:08	WG1917661
cis-1,2-Dichloroethene	U		0.00128	0.00434	1	08/28/2022 20:08	WG1917661
trans-1,2-Dichloroethene	U		0.00181	0.00869	1	08/28/2022 20:08	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00247	0.00869	1	08/28/2022 20:08	WG1917661
1,1-Dichloropropene	U		0.00141	0.00434	1	08/28/2022 20:08	WG1917661
1,3-Dichloropropane	U		0.000871	0.00869	1	08/28/2022 20:08	WG1917661
cis-1,3-Dichloropropene	U		0.00132	0.00434	1	08/28/2022 20:08	WG1917661
trans-1,3-Dichloropropene	U		0.00198	0.00869	1	08/28/2022 20:08	WG1917661
2,2-Dichloropropane	U		0.00240	0.00434	1	08/28/2022 20:08	WG1917661
Di-isopropyl ether	U		0.000713	0.00174	1	08/28/2022 20:08	WG1917661
Ethylbenzene	U		0.00128	0.00434	1	08/28/2022 20:08	WG1917661
Hexachloro-1,3-butadiene	U		0.0104	0.0434	1	08/28/2022 20:08	WG1917661
Isopropylbenzene	0.275		0.000739	0.00434	1	08/28/2022 20:08	WG1917661
p-Isopropyltoluene	0.0937		0.00443	0.00869	1	08/28/2022 20:08	WG1917661
2-Butanone (MEK)	0.886		0.110	0.174	1	08/28/2022 20:08	WG1917661
Methylene Chloride	U		0.0115	0.0434	1	08/28/2022 20:08	WG1917661
4-Methyl-2-pentanone (MIBK)	0.719	C5	0.00396	0.0434	1	08/28/2022 20:08	WG1917661
Methyl tert-butyl ether	U		0.000608	0.00174	1	08/28/2022 20:08	WG1917661
Naphthalene	0.794		0.00848	0.0217	1	08/28/2022 20:08	WG1917661
n-Propylbenzene	0.295		0.00165	0.00869	1	08/28/2022 20:08	WG1917661
Styrene	U		0.000398	0.0217	1	08/28/2022 20:08	WG1917661
1,1,1,2-Tetrachloroethane	U		0.00165	0.00434	1	08/28/2022 20:08	WG1917661
1,1,2,2-Tetrachloroethane	U		0.00121	0.00434	1	08/28/2022 20:08	WG1917661
1,1,2-Trichlorotrifluoroethane	U		0.00131	0.00434	1	08/28/2022 20:08	WG1917661
Tetrachloroethene	U		0.00156	0.00434	1	08/28/2022 20:08	WG1917661
Toluene	U		0.00226	0.00869	1	08/28/2022 20:08	WG1917661
1,2,3-Trichlorobenzene	U		0.0127	0.0217	1	08/28/2022 20:08	WG1917661
1,2,4-Trichlorobenzene	U		0.00765	0.0217	1	08/28/2022 20:08	WG1917661
1,1,1-Trichloroethane	U		0.00160	0.00434	1	08/28/2022 20:08	WG1917661
1,1,2-Trichloroethane	U		0.00104	0.00434	1	08/28/2022 20:08	WG1917661
Trichloroethene	U		0.00101	0.00174	1	08/28/2022 20:08	WG1917661
Trichlorofluoromethane	U		0.00144	0.00434	1	08/28/2022 20:08	WG1917661
1,2,3-Trichloropropane	U		0.00282	0.0217	1	08/28/2022 20:08	WG1917661
1,2,4-Trimethylbenzene	0.685		0.00275	0.00869	1	08/28/2022 20:08	WG1917661
1,2,3-Trimethylbenzene	0.0700		0.00275	0.00869	1	08/28/2022 20:08	WG1917661
1,3,5-Trimethylbenzene	0.283		0.00348	0.00869	1	08/28/2022 20:08	WG1917661
Vinyl chloride	U		0.00202	0.00434	1	08/28/2022 20:08	WG1917661
Xylenes, Total	0.177		0.00153	0.0113	1	08/28/2022 20:08	WG1917661
(S) Toluene-d8	*106*			*75.0-131*		*08/28/2022 20:08*	WG1917661
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*08/28/2022 20:08*	WG1917661
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*08/28/2022 20:08*	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.57	J	1.76	5.30	1	09/02/2022 19:12	WG1919951
Residual Range Organics (RRO)	U	C4	4.42	13.3	1	09/02/2022 19:12	WG1919951
(S) o-Terphenyl	*54.6*			*18.0-148*		*09/02/2022 19:12*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00687	0.0265	1	08/30/2022 22:37	WG1918148
Dalapon	U		0.00420	0.0265	1	08/30/2022 22:37	WG1918148
2,4-DB	U		0.0120	0.0265	1	08/30/2022 22:37	WG1918148
Dicamba	U		0.00571	0.0265	1	08/30/2022 22:37	WG1918148
Dichloroprop	U		0.00442	0.0265	1	08/30/2022 22:37	WG1918148
Dinoseb	U		0.00264	0.0265	1	08/30/2022 22:37	WG1918148

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00453	0.0265	1	08/30/2022 22:37	WG1918148
MCPP	U		0.00310	0.0265	1	08/30/2022 22:37	WG1918148
2,4,5-T	U		0.00910	0.0265	1	08/30/2022 22:37	WG1918148
2,4,5-TP (Silvex)	U		0.00227	0.0265	1	08/30/2022 22:37	WG1918148
(S) 2,4-DB-D3	*143*	J1		*70.0-130*		*08/30/2022 22:37*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00305	0.00796	1	09/10/2022 17:29	WG1924027
Acenaphthene	U	T8	0.00277	0.00796	1	09/10/2022 17:29	WG1924027
Acenaphthylene	U	T8	0.00286	0.00796	1	09/10/2022 17:29	WG1924027
Benzo(a)anthracene	U	T8	0.00229	0.00796	1	09/10/2022 17:29	WG1924027
Benzo(a)pyrene	U	T8	0.00237	0.00796	1	09/10/2022 17:29	WG1924027
Benzo(b)fluoranthene	U	T8	0.00203	0.00796	1	09/10/2022 17:29	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00235	0.00796	1	09/10/2022 17:29	WG1924027
Benzo(k)fluoranthene	U	T8	0.00285	0.00796	1	09/10/2022 17:29	WG1924027
Chrysene	U	T8	0.00308	0.00796	1	09/10/2022 17:29	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00228	0.00796	1	09/10/2022 17:29	WG1924027
Fluoranthene	U	T8	0.00301	0.00796	1	09/10/2022 17:29	WG1924027
Fluorene	U	T8	0.00272	0.00796	1	09/10/2022 17:29	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00240	0.00796	1	09/10/2022 17:29	WG1924027
Naphthalene	0.168	J6 T8	0.00541	0.0265	1	09/10/2022 17:29	WG1924027
Phenanthrene	U	T8	0.00306	0.00796	1	09/10/2022 17:29	WG1924027
Pyrene	U	T8	0.00265	0.00796	1	09/10/2022 17:29	WG1924027
1-Methylnaphthalene	0.0769	T8	0.00595	0.0265	1	09/10/2022 17:29	WG1924027
2-Methylnaphthalene	0.0284	T8	0.00566	0.0265	1	09/10/2022 17:29	WG1924027
2-Chloronaphthalene	U	T8	0.00618	0.0265	1	09/10/2022 17:29	WG1924027
(S) Nitrobenzene-d5	*54.8*			*14.0-149*		*09/10/2022 17:29*	WG1924027
(S) 2-Fluorobiphenyl	*61.0*			*34.0-125*		*09/10/2022 17:29*	WG1924027
(S) p-Terphenyl-d14	*58.5*			*23.0-120*		*09/10/2022 17:29*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	08/26/2022 10:19	WG1916860

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	1.55	J	1.37	25.8	1	08/27/2022 04:19	WG1917066
Sulfate	149		16.7	64.6	1	08/27/2022 04:19	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	15.0		0.669	2.58	1	08/30/2022 18:09	WG1917159
Cadmium	0.129	J	0.0609	0.646	1	08/30/2022 18:09	WG1917159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.78	J	1.40	4.14	25	08/30/2022 18:49	WG1918520
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*77.0-120*		*08/30/2022 18:49*	WG1918520

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0605	0.0828	1	08/28/2022 20:27	WG1917661
Acrylonitrile	U		0.00598	0.0207	1	08/28/2022 20:27	WG1917661
Benzene	U		0.000774	0.00166	1	08/28/2022 20:27	WG1917661
Bromobenzene	U		0.00149	0.0207	1	08/28/2022 20:27	WG1917661
Bromodichloromethane	U		0.00120	0.00414	1	08/28/2022 20:27	WG1917661
Bromoform	U		0.00194	0.0414	1	08/28/2022 20:27	WG1917661
Bromomethane	U		0.00326	0.0207	1	08/28/2022 20:27	WG1917661
n-Butylbenzene	U		0.00870	0.0207	1	08/28/2022 20:27	WG1917661
sec-Butylbenzene	U		0.00477	0.0207	1	08/28/2022 20:27	WG1917661
tert-Butylbenzene	U		0.00323	0.00828	1	08/28/2022 20:27	WG1917661
Carbon tetrachloride	U		0.00149	0.00828	1	08/28/2022 20:27	WG1917661
Chlorobenzene	U		0.000348	0.00414	1	08/28/2022 20:27	WG1917661
Chlorodibromomethane	U		0.00101	0.00414	1	08/28/2022 20:27	WG1917661
Chloroethane	U		0.00282	0.00828	1	08/28/2022 20:27	WG1917661
Chloroform	U		0.00171	0.00414	1	08/28/2022 20:27	WG1917661
Chloromethane	U		0.00721	0.0207	1	08/28/2022 20:27	WG1917661
2-Chlorotoluene	U		0.00143	0.00414	1	08/28/2022 20:27	WG1917661
4-Chlorotoluene	U		0.000745	0.00828	1	08/28/2022 20:27	WG1917661
1,2-Dibromo-3-Chloropropane	U		0.00646	0.0414	1	08/28/2022 20:27	WG1917661
1,2-Dibromoethane	U		0.00107	0.00414	1	08/28/2022 20:27	WG1917661
Dibromomethane	U		0.00124	0.00828	1	08/28/2022 20:27	WG1917661
1,2-Dichlorobenzene	U		0.000704	0.00828	1	08/28/2022 20:27	WG1917661
1,3-Dichlorobenzene	U		0.000994	0.00828	1	08/28/2022 20:27	WG1917661
1,4-Dichlorobenzene	U		0.00116	0.00828	1	08/28/2022 20:27	WG1917661
Dichlorodifluoromethane	U	C3	0.00267	0.00414	1	08/28/2022 20:27	WG1917661
1,1-Dichloroethane	U		0.000813	0.00414	1	08/28/2022 20:27	WG1917661
1,2-Dichloroethane	U		0.00107	0.00414	1	08/28/2022 20:27	WG1917661
1,1-Dichloroethene	U		0.00100	0.00414	1	08/28/2022 20:27	WG1917661
cis-1,2-Dichloroethene	U		0.00122	0.00414	1	08/28/2022 20:27	WG1917661
trans-1,2-Dichloroethene	U		0.00172	0.00828	1	08/28/2022 20:27	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00235	0.00828	1	08/28/2022 20:27	WG1917661
1,1-Dichloropropene	U		0.00134	0.00414	1	08/28/2022 20:27	WG1917661
1,3-Dichloropropane	U		0.000830	0.00828	1	08/28/2022 20:27	WG1917661
cis-1,3-Dichloropropene	U		0.00125	0.00414	1	08/28/2022 20:27	WG1917661
trans-1,3-Dichloropropene	U		0.00189	0.00828	1	08/28/2022 20:27	WG1917661
2,2-Dichloropropane	U		0.00229	0.00414	1	08/28/2022 20:27	WG1917661
Di-isopropyl ether	U		0.000679	0.00166	1	08/28/2022 20:27	WG1917661
Ethylbenzene	U		0.00122	0.00414	1	08/28/2022 20:27	WG1917661
Hexachloro-1,3-butadiene	U		0.00994	0.0414	1	08/28/2022 20:27	WG1917661
Isopropylbenzene	0.00341	J	0.000704	0.00414	1	08/28/2022 20:27	WG1917661
p-Isopropyltoluene	U		0.00422	0.00828	1	08/28/2022 20:27	WG1917661
2-Butanone (MEK)	U		0.105	0.166	1	08/28/2022 20:27	WG1917661
Methylene Chloride	U		0.0110	0.0414	1	08/28/2022 20:27	WG1917661
4-Methyl-2-pentanone (MIBK)	0.0132	J	0.00378	0.0414	1	08/28/2022 20:27	WG1917661
Methyl tert-butyl ether	U		0.000580	0.00166	1	08/28/2022 20:27	WG1917661
Naphthalene	0.0125	J	0.00808	0.0207	1	08/28/2022 20:27	WG1917661
n-Propylbenzene	0.00434	J	0.00157	0.00828	1	08/28/2022 20:27	WG1917661
Styrene	U		0.000379	0.0207	1	08/28/2022 20:27	WG1917661
1,1,1,2-Tetrachloroethane	U		0.00157	0.00414	1	08/28/2022 20:27	WG1917661
1,1,2,2-Tetrachloroethane	U		0.00115	0.00414	1	08/28/2022 20:27	WG1917661
1,1,2-Trichlorotrifluoroethane	U		0.00125	0.00414	1	08/28/2022 20:27	WG1917661
Tetrachloroethene	U		0.00148	0.00414	1	08/28/2022 20:27	WG1917661
Toluene	U		0.00215	0.00828	1	08/28/2022 20:27	WG1917661
1,2,3-Trichlorobenzene	U		0.0121	0.0207	1	08/28/2022 20:27	WG1917661
1,2,4-Trichlorobenzene	U		0.00729	0.0207	1	08/28/2022 20:27	WG1917661
1,1,1-Trichloroethane	U		0.00153	0.00414	1	08/28/2022 20:27	WG1917661
1,1,2-Trichloroethane	0.00315	J	0.000989	0.00414	1	08/28/2022 20:27	WG1917661
Trichloroethene	U		0.000967	0.00166	1	08/28/2022 20:27	WG1917661
Trichlorofluoromethane	U		0.00137	0.00414	1	08/28/2022 20:27	WG1917661
1,2,3-Trichloropropane	U		0.00268	0.0207	1	08/28/2022 20:27	WG1917661
1,2,4-Trimethylbenzene	U		0.00262	0.00828	1	08/28/2022 20:27	WG1917661
1,2,3-Trimethylbenzene	U		0.00262	0.00828	1	08/28/2022 20:27	WG1917661
1,3,5-Trimethylbenzene	U		0.00331	0.00828	1	08/28/2022 20:27	WG1917661
Vinyl chloride	U		0.00192	0.00414	1	08/28/2022 20:27	WG1917661
Xylenes, Total	U		0.00146	0.0108	1	08/28/2022 20:27	WG1917661
(S) Toluene-d8	*113*			*75.0-131*		*08/28/2022 20:27*	WG1917661
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*08/28/2022 20:27*	WG1917661
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*08/28/2022 20:27*	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.72	5.17	1	09/02/2022 18:30	WG1919951
Residual Range Organics (RRO)	U	C4	4.30	12.9	1	09/02/2022 18:30	WG1919951
(S) o-Terphenyl	*60.6*			*18.0-148*		*09/02/2022 18:30*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00669	0.0258	1	08/30/2022 23:42	WG1918148
Dalapon	U		0.00410	0.0258	1	08/30/2022 23:42	WG1918148
2,4-DB	U		0.0117	0.0258	1	08/30/2022 23:42	WG1918148
Dicamba	U		0.00557	0.0258	1	08/30/2022 23:42	WG1918148
Dichloroprop	U		0.00430	0.0258	1	08/30/2022 23:42	WG1918148
Dinoseb	U		0.00257	0.0258	1	08/30/2022 23:42	WG1918148

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00442	0.0258	1	08/30/2022 23:42	WG1918148
MCPP	U		0.00302	0.0258	1	08/30/2022 23:42	WG1918148
2,4,5-T	U		0.00886	0.0258	1	08/30/2022 23:42	WG1918148
2,4,5-TP (Silvex)	U		0.00221	0.0258	1	08/30/2022 23:42	WG1918148
(S) 2,4-DB-D3	*142*	J1		*70.0-130*		*08/30/2022 23:42*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00297	0.00775	1	09/10/2022 18:29	WG1924027
Acenaphthene	U	T8	0.00270	0.00775	1	09/10/2022 18:29	WG1924027
Acenaphthylene	U	T8	0.00279	0.00775	1	09/10/2022 18:29	WG1924027
Benzo(a)anthracene	U	T8	0.00224	0.00775	1	09/10/2022 18:29	WG1924027
Benzo(a)pyrene	U	T8	0.00231	0.00775	1	09/10/2022 18:29	WG1924027
Benzo(b)fluoranthene	U	T8	0.00198	0.00775	1	09/10/2022 18:29	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00229	0.00775	1	09/10/2022 18:29	WG1924027
Benzo(k)fluoranthene	U	T8	0.00278	0.00775	1	09/10/2022 18:29	WG1924027
Chrysene	U	T8	0.00300	0.00775	1	09/10/2022 18:29	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00222	0.00775	1	09/10/2022 18:29	WG1924027
Fluoranthene	U	T8	0.00293	0.00775	1	09/10/2022 18:29	WG1924027
Fluorene	U	T8	0.00265	0.00775	1	09/10/2022 18:29	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00234	0.00775	1	09/10/2022 18:29	WG1924027
Naphthalene	U	T8	0.00527	0.0258	1	09/10/2022 18:29	WG1924027
Phenanthrene	U	T8	0.00299	0.00775	1	09/10/2022 18:29	WG1924027
Pyrene	U	T8	0.00258	0.00775	1	09/10/2022 18:29	WG1924027
1-Methylnaphthalene	U	T8	0.00580	0.0258	1	09/10/2022 18:29	WG1924027
2-Methylnaphthalene	U	T8	0.00552	0.0258	1	09/10/2022 18:29	WG1924027
2-Chloronaphthalene	U	T8	0.00602	0.0258	1	09/10/2022 18:29	WG1924027
(S) Nitrobenzene-d5	*54.2*			*14.0-149*		*09/10/2022 18:29*	WG1924027
(S) 2-Fluorobiphenyl	*48.4*			*34.0-125*		*09/10/2022 18:29*	WG1924027
(S) p-Terphenyl-d14	*51.8*			*23.0-120*		*09/10/2022 18:29*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	08/26/2022 10:19	WG1916860

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	3.16	J	1.33	25.0	1	08/27/2022 05:10	WG1917066
Sulfate	36.3	J	16.1	62.6	1	08/27/2022 05:10	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.21		0.648	2.50	1	08/30/2022 18:11	WG1917159
Cadmium	0.0908	J	0.0589	0.626	1	08/30/2022 18:11	WG1917159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	138		1.36	4.00	25	08/27/2022 18:39	WG1916853
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*		*08/27/2022 18:39*	WG1916853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0584	0.0801	1	08/28/2022 20:47	WG1917661
Acrylonitrile	U		0.00578	0.0200	1	08/28/2022 20:47	WG1917661
Benzene	U		0.000748	0.00160	1	08/28/2022 20:47	WG1917661
Bromobenzene	U		0.00144	0.0200	1	08/28/2022 20:47	WG1917661
Bromodichloromethane	U		0.00116	0.00400	1	08/28/2022 20:47	WG1917661
Bromoform	U		0.00187	0.0400	1	08/28/2022 20:47	WG1917661
Bromomethane	U		0.00315	0.0200	1	08/28/2022 20:47	WG1917661
n-Butylbenzene	0.319		0.00841	0.0200	1	08/28/2022 20:47	WG1917661
sec-Butylbenzene	0.0855		0.00461	0.0200	1	08/28/2022 20:47	WG1917661
tert-Butylbenzene	U		0.00312	0.00801	1	08/28/2022 20:47	WG1917661
Carbon tetrachloride	U		0.00144	0.00801	1	08/28/2022 20:47	WG1917661
Chlorobenzene	U		0.000336	0.00400	1	08/28/2022 20:47	WG1917661
Chlorodibromomethane	U		0.000980	0.00400	1	08/28/2022 20:47	WG1917661
Chloroethane	U		0.00272	0.00801	1	08/28/2022 20:47	WG1917661
Chloroform	U		0.00165	0.00400	1	08/28/2022 20:47	WG1917661
Chloromethane	U		0.00696	0.0200	1	08/28/2022 20:47	WG1917661
2-Chlorotoluene	U		0.00138	0.00400	1	08/28/2022 20:47	WG1917661
4-Chlorotoluene	U		0.000720	0.00801	1	08/28/2022 20:47	WG1917661
1,2-Dibromo-3-Chloropropane	U		0.00624	0.0400	1	08/28/2022 20:47	WG1917661
1,2-Dibromoethane	U		0.00104	0.00400	1	08/28/2022 20:47	WG1917661
Dibromomethane	U		0.00120	0.00801	1	08/28/2022 20:47	WG1917661
1,2-Dichlorobenzene	U		0.000680	0.00801	1	08/28/2022 20:47	WG1917661
1,3-Dichlorobenzene	U		0.000961	0.00801	1	08/28/2022 20:47	WG1917661
1,4-Dichlorobenzene	U		0.00112	0.00801	1	08/28/2022 20:47	WG1917661
Dichlorodifluoromethane	U	C3	0.00258	0.00400	1	08/28/2022 20:47	WG1917661
1,1-Dichloroethane	U		0.000786	0.00400	1	08/28/2022 20:47	WG1917661
1,2-Dichloroethane	U		0.00104	0.00400	1	08/28/2022 20:47	WG1917661
1,1-Dichloroethene	U		0.000970	0.00400	1	08/28/2022 20:47	WG1917661
cis-1,2-Dichloroethene	U		0.00118	0.00400	1	08/28/2022 20:47	WG1917661
trans-1,2-Dichloroethene	U		0.00167	0.00801	1	08/28/2022 20:47	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00227	0.00801	1	08/28/2022 20:47	WG1917661
1,1-Dichloropropene	U		0.00130	0.00400	1	08/28/2022 20:47	WG1917661
1,3-Dichloropropane	U		0.000802	0.00801	1	08/28/2022 20:47	WG1917661
cis-1,3-Dichloropropene	U		0.00121	0.00400	1	08/28/2022 20:47	WG1917661
trans-1,3-Dichloropropene	U		0.00183	0.00801	1	08/28/2022 20:47	WG1917661
2,2-Dichloropropane	U		0.00221	0.00400	1	08/28/2022 20:47	WG1917661
Di-isopropyl ether	U		0.000656	0.00160	1	08/28/2022 20:47	WG1917661
Ethylbenzene	U		0.00118	0.00400	1	08/28/2022 20:47	WG1917661
Hexachloro-1,3-butadiene	U		0.00961	0.0400	1	08/28/2022 20:47	WG1917661
Isopropylbenzene	0.0927		0.000680	0.00400	1	08/28/2022 20:47	WG1917661
p-Isopropyltoluene	0.0519		0.00408	0.00801	1	08/28/2022 20:47	WG1917661
2-Butanone (MEK)	0.546		0.102	0.160	1	08/28/2022 20:47	WG1917661
Methylene Chloride	U		0.0106	0.0400	1	08/28/2022 20:47	WG1917661
4-Methyl-2-pentanone (MIBK)	0.496	C5	0.00365	0.0400	1	08/28/2022 20:47	WG1917661
Methyl tert-butyl ether	U		0.000560	0.00160	1	08/28/2022 20:47	WG1917661
Naphthalene	0.0434		0.00781	0.0200	1	08/28/2022 20:47	WG1917661
n-Propylbenzene	0.303		0.00152	0.00801	1	08/28/2022 20:47	WG1917661
Styrene	U		0.000367	0.0200	1	08/28/2022 20:47	WG1917661
1,1,1,2-Tetrachloroethane	U		0.00152	0.00400	1	08/28/2022 20:47	WG1917661
1,1,2,2-Tetrachloroethane	U		0.00111	0.00400	1	08/28/2022 20:47	WG1917661
1,1,2-Trichlorotrifluoroethane	U		0.00121	0.00400	1	08/28/2022 20:47	WG1917661
Tetrachloroethene	U		0.00143	0.00400	1	08/28/2022 20:47	WG1917661
Toluene	U		0.00208	0.00801	1	08/28/2022 20:47	WG1917661
1,2,3-Trichlorobenzene	U		0.0117	0.0200	1	08/28/2022 20:47	WG1917661
1,2,4-Trichlorobenzene	U		0.00704	0.0200	1	08/28/2022 20:47	WG1917661
1,1,1-Trichloroethane	U		0.00148	0.00400	1	08/28/2022 20:47	WG1917661
1,1,2-Trichloroethane	0.120		0.000956	0.00400	1	08/28/2022 20:47	WG1917661
Trichloroethene	U		0.000935	0.00160	1	08/28/2022 20:47	WG1917661
Trichlorofluoromethane	U		0.00132	0.00400	1	08/28/2022 20:47	WG1917661
1,2,3-Trichloropropane	U		0.00259	0.0200	1	08/28/2022 20:47	WG1917661
1,2,4-Trimethylbenzene	0.0322		0.00253	0.00801	1	08/28/2022 20:47	WG1917661
1,2,3-Trimethylbenzene	U		0.00253	0.00801	1	08/28/2022 20:47	WG1917661
1,3,5-Trimethylbenzene	0.0105		0.00320	0.00801	1	08/28/2022 20:47	WG1917661
Vinyl chloride	U		0.00186	0.00400	1	08/28/2022 20:47	WG1917661
Xylenes, Total	0.00277	J	0.00141	0.0104	1	08/28/2022 20:47	WG1917661
(S) Toluene-d8	*112*			*75.0-131*		*08/28/2022 20:47*	WG1917661
(S) 4-Bromofluorobenzene	*113*			*67.0-138*		*08/28/2022 20:47*	WG1917661
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*08/28/2022 20:47*	WG1917661

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.66	5.01	1	09/02/2022 18:44	WG1919951
Residual Range Organics (RRO)	U	C4	4.17	12.5	1	09/02/2022 18:44	WG1919951
(S) o-Terphenyl	*65.4*			*18.0-148*		*09/02/2022 18:44*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00648	0.0250	1	08/31/2022 00:03	WG1918148
Dalapon	U		0.00397	0.0250	1	08/31/2022 00:03	WG1918148
2,4-DB	U		0.0114	0.0250	1	08/31/2022 00:03	WG1918148
Dicamba	U		0.00539	0.0250	1	08/31/2022 00:03	WG1918148
Dichloroprop	U		0.00417	0.0250	1	08/31/2022 00:03	WG1918148
Dinoseb	U		0.00249	0.0250	1	08/31/2022 00:03	WG1918148

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00428	0.0250	1	08/31/2022 00:03	WG1918148
MCPP	U		0.00293	0.0250	1	08/31/2022 00:03	WG1918148
2,4,5-T	U		0.00858	0.0250	1	08/31/2022 00:03	WG1918148
2,4,5-TP (Silvex)	U		0.00214	0.0250	1	08/31/2022 00:03	WG1918148
(S) 2,4-DB-D3	*140*	J1		*70.0-130*		*08/31/2022 00:03*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00288	0.00751	1	09/10/2022 18:49	WG1924027
Acenaphthene	U	T8	0.00262	0.00751	1	09/10/2022 18:49	WG1924027
Acenaphthylene	U	T8	0.00270	0.00751	1	09/10/2022 18:49	WG1924027
Benzo(a)anthracene	U	T8	0.00216	0.00751	1	09/10/2022 18:49	WG1924027
Benzo(a)pyrene	U	T8	0.00224	0.00751	1	09/10/2022 18:49	WG1924027
Benzo(b)fluoranthene	U	T8	0.00191	0.00751	1	09/10/2022 18:49	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00221	0.00751	1	09/10/2022 18:49	WG1924027
Benzo(k)fluoranthene	U	T8	0.00269	0.00751	1	09/10/2022 18:49	WG1924027
Chrysene	U	T8	0.00290	0.00751	1	09/10/2022 18:49	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00215	0.00751	1	09/10/2022 18:49	WG1924027
Fluoranthene	U	T8	0.00284	0.00751	1	09/10/2022 18:49	WG1924027
Fluorene	U	T8	0.00257	0.00751	1	09/10/2022 18:49	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00226	0.00751	1	09/10/2022 18:49	WG1924027
Naphthalene	U	T8	0.00511	0.0250	1	09/10/2022 18:49	WG1924027
Phenanthrene	U	T8	0.00289	0.00751	1	09/10/2022 18:49	WG1924027
Pyrene	U	T8	0.00250	0.00751	1	09/10/2022 18:49	WG1924027
1-Methylnaphthalene	U	T8	0.00562	0.0250	1	09/10/2022 18:49	WG1924027
2-Methylnaphthalene	U	T8	0.00534	0.0250	1	09/10/2022 18:49	WG1924027
2-Chloronaphthalene	U	T8	0.00583	0.0250	1	09/10/2022 18:49	WG1924027
(S) Nitrobenzene-d5	*52.1*			*14.0-149*		*09/10/2022 18:49*	WG1924027
(S) 2-Fluorobiphenyl	*52.9*			*34.0-125*		*09/10/2022 18:49*	WG1924027
(S) p-Terphenyl-d14	*57.3*			*23.0-120*		*09/10/2022 18:49*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.0		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.41	26.7	1	08/27/2022 05:27	WG1917066
Sulfate	184		17.2	66.7	1	08/27/2022 05:27	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.86		0.691	2.67	1	08/30/2022 18:14	WG1917159
Cadmium	0.214	J	0.0628	0.667	1	08/30/2022 18:14	WG1917159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	9090		29.8	88.0	535	08/30/2022 18:29	WG1918520
(S) a,a,a-Trifluorotoluene(FID)	*123*	J1		*77.0-120*		*08/30/2022 18:29*	WG1918520

Sample Narrative:

L1528886-04 WG1918520: Surrogate failure due to matrix interference.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.29	1.77	20	08/31/2022 13:49	WG1919279
Acrylonitrile	U		0.128	0.442	20	08/31/2022 13:49	WG1919279
Benzene	U		0.0165	0.0354	20	08/31/2022 13:49	WG1919279
Bromobenzene	U		0.0318	0.442	20	08/31/2022 13:49	WG1919279
Bromodichloromethane	U		0.0257	0.0885	20	08/31/2022 13:49	WG1919279
Bromoform	U		0.0414	0.885	20	08/31/2022 13:49	WG1919279
Bromomethane	U		0.0697	0.442	20	08/31/2022 13:49	WG1919279
n-Butylbenzene	1.88		0.186	0.442	20	08/31/2022 13:49	WG1919279
sec-Butylbenzene	0.616		0.102	0.442	20	08/31/2022 13:49	WG1919279
tert-Butylbenzene	U		0.0690	0.177	20	08/31/2022 13:49	WG1919279
Carbon tetrachloride	U		0.0318	0.177	20	08/31/2022 13:49	WG1919279
Chlorobenzene	U		0.00743	0.0885	20	08/31/2022 13:49	WG1919279
Chlorodibromomethane	U		0.0216	0.0885	20	08/31/2022 13:49	WG1919279
Chloroethane	U		0.0602	0.177	20	08/31/2022 13:49	WG1919279
Chloroform	U		0.0364	0.0885	20	08/31/2022 13:49	WG1919279
Chloromethane	U		0.154	0.442	20	08/31/2022 13:49	WG1919279
2-Chlorotoluene	U		0.0306	0.0885	20	08/31/2022 13:49	WG1919279
4-Chlorotoluene	U		0.0159	0.177	20	08/31/2022 13:49	WG1919279
1,2-Dibromo-3-Chloropropane	U		0.138	0.885	20	08/31/2022 13:49	WG1919279
1,2-Dibromoethane	U		0.0230	0.0885	20	08/31/2022 13:49	WG1919279
Dibromomethane	U		0.0265	0.177	20	08/31/2022 13:49	WG1919279
1,2-Dichlorobenzene	U		0.0150	0.177	20	08/31/2022 13:49	WG1919279
1,3-Dichlorobenzene	U		0.0212	0.177	20	08/31/2022 13:49	WG1919279
1,4-Dichlorobenzene	U		0.0248	0.177	20	08/31/2022 13:49	WG1919279
Dichlorodifluoromethane	U		0.0570	0.0885	20	08/31/2022 17:49	WG1919601
1,1-Dichloroethane	U		0.0174	0.0885	20	08/31/2022 13:49	WG1919279
1,2-Dichloroethane	U		0.0230	0.0885	20	08/31/2022 13:49	WG1919279

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.0214	0.0885	20	08/31/2022 13:49	WG1919279
cis-1,2-Dichloroethene	U		0.0260	0.0885	20	08/31/2022 13:49	WG1919279
trans-1,2-Dichloroethene	U		0.0368	0.177	20	08/31/2022 13:49	WG1919279
1,2-Dichloropropane	U		0.0503	0.177	20	08/31/2022 13:49	WG1919279
1,1-Dichloropropene	U		0.0287	0.0885	20	08/31/2022 13:49	WG1919279
1,3-Dichloropropane	U		0.0177	0.177	20	08/31/2022 13:49	WG1919279
cis-1,3-Dichloropropene	U		0.0267	0.0885	20	08/31/2022 13:49	WG1919279
trans-1,3-Dichloropropene	U		0.0403	0.177	20	08/31/2022 13:49	WG1919279
2,2-Dichloropropane	U		0.0488	0.0885	20	08/31/2022 13:49	WG1919279
Di-isopropyl ether	U		0.0145	0.0354	20	08/31/2022 13:49	WG1919279
Ethylbenzene	0.618		0.0260	0.0885	20	08/31/2022 13:49	WG1919279
Hexachloro-1,3-butadiene	U		0.212	0.885	20	08/31/2022 13:49	WG1919279
Isopropylbenzene	1.13		0.0150	0.0885	20	08/31/2022 13:49	WG1919279
p-Isopropyltoluene	0.414		0.0902	0.177	20	08/31/2022 13:49	WG1919279
2-Butanone (MEK)	U		2.25	3.54	20	08/31/2022 13:49	WG1919279
Methylene Chloride	U		0.235	0.885	20	08/31/2022 13:49	WG1919279
4-Methyl-2-pentanone (MIBK)	U		0.0807	0.885	20	08/31/2022 13:49	WG1919279
Methyl tert-butyl ether	U		0.0124	0.0354	20	08/31/2022 13:49	WG1919279
Naphthalene	4.72	C3	0.173	0.442	20	08/31/2022 13:49	WG1919279
n-Propylbenzene	3.13		0.0336	0.177	20	08/31/2022 13:49	WG1919279
Styrene	U		0.00810	0.442	20	08/31/2022 13:49	WG1919279
1,1,1,2-Tetrachloroethane	U		0.0336	0.0885	20	08/31/2022 13:49	WG1919279
1,1,2,2-Tetrachloroethane	U		0.0246	0.0885	20	08/31/2022 13:49	WG1919279
1,1,2-Trichlorotrifluoroethane	U		0.0267	0.0885	20	08/31/2022 13:49	WG1919279
Tetrachloroethene	U		0.0317	0.0885	20	08/31/2022 13:49	WG1919279
Toluene	U		0.0460	0.177	20	08/31/2022 13:49	WG1919279
1,2,3-Trichlorobenzene	U		0.260	0.442	20	08/31/2022 13:49	WG1919279
1,2,4-Trichlorobenzene	U	C3	0.156	0.442	20	08/31/2022 13:49	WG1919279
1,1,1-Trichloroethane	U		0.0327	0.0885	20	08/31/2022 13:49	WG1919279
1,1,2-Trichloroethane	U		0.0211	0.0885	20	08/31/2022 13:49	WG1919279
Trichloroethene	U		0.0207	0.0354	20	08/31/2022 13:49	WG1919279
Trichlorofluoromethane	U		0.0292	0.0885	20	08/31/2022 13:49	WG1919279
1,2,3-Trichloropropane	U		0.0573	0.442	20	08/31/2022 13:49	WG1919279
1,2,4-Trimethylbenzene	18.0		0.0559	0.177	20	08/31/2022 13:49	WG1919279
1,2,3-Trimethylbenzene	0.510		0.0559	0.177	20	08/31/2022 13:49	WG1919279
1,3,5-Trimethylbenzene	8.40		0.0708	0.177	20	08/31/2022 13:49	WG1919279
Vinyl chloride	U		0.0411	0.0885	20	08/31/2022 13:49	WG1919279
Xylenes, Total	8.32		0.0311	0.230	20	08/31/2022 13:49	WG1919279
(S) Toluene-d8	*99.9*			*75.0-131*		*08/31/2022 13:49*	WG1919279
(S) Toluene-d8	*97.6*			*75.0-131*		*08/31/2022 17:49*	WG1919601
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*08/31/2022 13:49*	WG1919279
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*08/31/2022 17:49*	WG1919601
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*08/31/2022 13:49*	WG1919279
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*08/31/2022 17:49*	WG1919601

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	15.6		1.77	5.33	1	09/02/2022 18:58	WG1919951
Residual Range Organics (RRO)	U	C4	4.44	13.3	1	09/02/2022 18:58	WG1919951
(S) o-Terphenyl	*49.2*			*18.0-148*		*09/02/2022 18:58*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00719	0.0277	1.04	08/31/2022 00:25	WG1918148
Dalapon	U		0.00440	0.0277	1.04	08/31/2022 00:25	WG1918148
2,4-DB	U		0.0126	0.0277	1.04	08/31/2022 00:25	WG1918148
Dicamba	U		0.00597	0.0277	1.04	08/31/2022 00:25	WG1918148
Dichloroprop	U		0.00463	0.0277	1.04	08/31/2022 00:25	WG1918148
Dinoseb	U		0.00276	0.0277	1.04	08/31/2022 00:25	WG1918148
MCPA	U		0.00473	0.0277	1.04	08/31/2022 00:25	WG1918148
MCPP	U		0.00325	0.0277	1.04	08/31/2022 00:25	WG1918148
2,4,5-T	U		0.00952	0.0277	1.04	08/31/2022 00:25	WG1918148
2,4,5-TP (Silvex)	U		0.00237	0.0277	1.04	08/31/2022 00:25	WG1918148
(S) 2,4-DB-D3	*128*			*70.0-130*		*08/31/2022 00:25*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00307	0.00800	1	09/10/2022 19:09	WG1924027
Acenaphthene	0.00395	J T8	0.00279	0.00800	1	09/10/2022 19:09	WG1924027
Acenaphthylene	U	T8	0.00288	0.00800	1	09/10/2022 19:09	WG1924027
Benzo(a)anthracene	U	T8	0.00231	0.00800	1	09/10/2022 19:09	WG1924027
Benzo(a)pyrene	U	T8	0.00239	0.00800	1	09/10/2022 19:09	WG1924027
Benzo(b)fluoranthene	U	T8	0.00204	0.00800	1	09/10/2022 19:09	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00236	0.00800	1	09/10/2022 19:09	WG1924027
Benzo(k)fluoranthene	U	T8	0.00287	0.00800	1	09/10/2022 19:09	WG1924027
Chrysene	U	T8	0.00309	0.00800	1	09/10/2022 19:09	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00229	0.00800	1	09/10/2022 19:09	WG1924027
Fluoranthene	U	T8	0.00303	0.00800	1	09/10/2022 19:09	WG1924027
Fluorene	U	T8	0.00273	0.00800	1	09/10/2022 19:09	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00241	0.00800	1	09/10/2022 19:09	WG1924027
Naphthalene	1.01	T8	0.00544	0.0267	1	09/10/2022 19:09	WG1924027
Phenanthrene	0.00681	J T8	0.00308	0.00800	1	09/10/2022 19:09	WG1924027
Pyrene	U	T8	0.00267	0.00800	1	09/10/2022 19:09	WG1924027
1-Methylnaphthalene	0.647	T8	0.00599	0.0267	1	09/10/2022 19:09	WG1924027
2-Methylnaphthalene	1.60	T8	0.00569	0.0267	1	09/10/2022 19:09	WG1924027
2-Chloronaphthalene	U	T8	0.00621	0.0267	1	09/10/2022 19:09	WG1924027
(S) Nitrobenzene-d5	*82.1*			*14.0-149*		*09/10/2022 19:09*	WG1924027
(S) 2-Fluorobiphenyl	*50.5*			*34.0-125*		*09/10/2022 19:09*	WG1924027
(S) p-Terphenyl-d14	*55.1*			*23.0-120*		*09/10/2022 19:09*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.35	25.5	1	08/27/2022 05:44	WG1917066
Sulfate	147		16.4	63.6	1	08/27/2022 05:44	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.58		0.659	2.55	1	08/30/2022 18:17	WG1917159
Cadmium	0.0815	J	0.0599	0.636	1	08/30/2022 18:17	WG1917159

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.99	J	1.36	4.02	25	08/30/2022 19:10	WG1918520
(S) a,a,a-Trifluorotoluene(FID)	*90.1*			*77.0-120*		*08/30/2022 19:10*	WG1918520

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0595	0.0815	1	08/28/2022 14:50	WG1917768
Acrylonitrile	U	J3	0.00588	0.0204	1	08/28/2022 14:50	WG1917768
Benzene	U		0.000761	0.00163	1	08/28/2022 14:50	WG1917768
Bromobenzene	U		0.00147	0.0204	1	08/28/2022 14:50	WG1917768
Bromodichloromethane	U		0.00118	0.00407	1	08/28/2022 14:50	WG1917768
Bromoform	U		0.00191	0.0407	1	08/28/2022 14:50	WG1917768
Bromomethane	U		0.00321	0.0204	1	08/28/2022 14:50	WG1917768
n-Butylbenzene	U		0.00855	0.0204	1	08/31/2022 14:09	WG1919279
sec-Butylbenzene	U		0.00469	0.0204	1	08/31/2022 14:09	WG1919279
tert-Butylbenzene	U	C3	0.00318	0.00815	1	08/28/2022 14:50	WG1917768
Carbon tetrachloride	U		0.00146	0.00815	1	08/28/2022 14:50	WG1917768
Chlorobenzene	U		0.000342	0.00407	1	08/28/2022 14:50	WG1917768
Chlorodibromomethane	U		0.000997	0.00407	1	08/28/2022 14:50	WG1917768
Chloroethane	U		0.00277	0.00815	1	08/28/2022 14:50	WG1917768
Chloroform	U		0.00168	0.00407	1	08/28/2022 14:50	WG1917768
Chloromethane	U	J3 J4	0.00709	0.0204	1	08/28/2022 14:50	WG1917768
2-Chlorotoluene	U		0.00141	0.00407	1	08/28/2022 14:50	WG1917768
4-Chlorotoluene	U		0.000733	0.00815	1	08/28/2022 14:50	WG1917768
1,2-Dibromo-3-Chloropropane	U	J3	0.00635	0.0407	1	08/28/2022 14:50	WG1917768
1,2-Dibromoethane	U		0.00106	0.00407	1	08/28/2022 14:50	WG1917768
Dibromomethane	U		0.00122	0.00815	1	08/28/2022 14:50	WG1917768
1,2-Dichlorobenzene	U		0.000692	0.00815	1	08/28/2022 14:50	WG1917768
1,3-Dichlorobenzene	U		0.000978	0.00815	1	08/28/2022 14:50	WG1917768
1,4-Dichlorobenzene	U		0.00114	0.00815	1	08/28/2022 14:50	WG1917768
Dichlorodifluoromethane	U	J3	0.00262	0.00407	1	08/28/2022 14:50	WG1917768
1,1-Dichloroethane	U		0.000800	0.00407	1	08/28/2022 14:50	WG1917768
1,2-Dichloroethane	U		0.00106	0.00407	1	08/28/2022 14:50	WG1917768
1,1-Dichloroethene	U	J3	0.000987	0.00407	1	08/28/2022 14:50	WG1917768
cis-1,2-Dichloroethene	U		0.00120	0.00407	1	08/28/2022 14:50	WG1917768
trans-1,2-Dichloroethene	U	C3 J3	0.00169	0.00815	1	08/28/2022 14:50	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00231	0.00815	1	08/28/2022 14:50	WG1917768
1,1-Dichloropropene	U		0.00132	0.00407	1	08/28/2022 14:50	WG1917768
1,3-Dichloropropane	U		0.000816	0.00815	1	08/28/2022 14:50	WG1917768
cis-1,3-Dichloropropene	U		0.00123	0.00407	1	08/28/2022 14:50	WG1917768
trans-1,3-Dichloropropene	U		0.00186	0.00815	1	08/28/2022 14:50	WG1917768
2,2-Dichloropropane	U		0.00225	0.00407	1	08/28/2022 14:50	WG1917768
Di-isopropyl ether	U		0.000668	0.00163	1	08/28/2022 14:50	WG1917768
Ethylbenzene	0.00270	J	0.00120	0.00407	1	08/31/2022 14:09	WG1919279
Hexachloro-1,3-butadiene	U		0.00978	0.0407	1	08/28/2022 14:50	WG1917768
Isopropylbenzene	0.000909	J	0.000692	0.00407	1	08/31/2022 14:09	WG1919279
p-Isopropyltoluene	U		0.00415	0.00815	1	08/31/2022 14:09	WG1919279
2-Butanone (MEK)	U	J3	0.103	0.163	1	08/28/2022 14:50	WG1917768
Methylene Chloride	U		0.0108	0.0407	1	08/28/2022 14:50	WG1917768
4-Methyl-2-pentanone (MIBK)	U		0.00371	0.0407	1	08/28/2022 14:50	WG1917768
Methyl tert-butyl ether	U		0.000570	0.00163	1	08/28/2022 14:50	WG1917768
Naphthalene	U	C3	0.00795	0.0204	1	08/31/2022 14:09	WG1919279
n-Propylbenzene	0.00191	J	0.00155	0.00815	1	08/31/2022 14:09	WG1919279
Styrene	U		0.000373	0.0204	1	08/28/2022 14:50	WG1917768
1,1,1,2-Tetrachloroethane	U	J3	0.00154	0.00407	1	08/28/2022 14:50	WG1917768
1,1,2,2-Tetrachloroethane	U		0.00113	0.00407	1	08/28/2022 14:50	WG1917768
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00407	1	08/28/2022 14:50	WG1917768
Tetrachloroethene	U	J3	0.00146	0.00407	1	08/28/2022 14:50	WG1917768
Toluene	0.0103		0.00212	0.00815	1	08/31/2022 14:09	WG1919279
1,2,3-Trichlorobenzene	U		0.0119	0.0204	1	08/28/2022 14:50	WG1917768
1,2,4-Trichlorobenzene	U		0.00717	0.0204	1	08/28/2022 14:50	WG1917768
1,1,1-Trichloroethane	U		0.00150	0.00407	1	08/28/2022 14:50	WG1917768
1,1,2-Trichloroethane	U		0.000973	0.00407	1	08/28/2022 14:50	WG1917768
Trichloroethene	U		0.000952	0.00163	1	08/28/2022 14:50	WG1917768
Trichlorofluoromethane	U		0.00135	0.00407	1	08/28/2022 14:50	WG1917768
1,2,3-Trichloropropane	U		0.00264	0.0204	1	08/28/2022 14:50	WG1917768
1,2,4-Trimethylbenzene	0.00851		0.00257	0.00815	1	08/31/2022 14:09	WG1919279
1,2,3-Trimethylbenzene	U		0.00257	0.00815	1	08/31/2022 14:09	WG1919279
1,3,5-Trimethylbenzene	0.00342	J	0.00326	0.00815	1	08/31/2022 14:09	WG1919279
Vinyl chloride	U	J3	0.00189	0.00407	1	08/28/2022 14:50	WG1917768
Xylenes, Total	0.0202		0.00143	0.0106	1	08/31/2022 14:09	WG1919279
(S) Toluene-d8	*116*			*75.0-131*		*08/28/2022 14:50*	WG1917768
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 14:09*	WG1919279
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*08/28/2022 14:50*	WG1917768
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*		*08/31/2022 14:09*	WG1919279
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*08/28/2022 14:50*	WG1917768
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*08/31/2022 14:09*	WG1919279

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.69	5.09	1	09/02/2022 19:54	WG1919951
Residual Range Organics (RRO)	U	C4	4.24	12.7	1	09/02/2022 19:54	WG1919951
(S) o-Terphenyl	*63.2*			*18.0-148*		*09/02/2022 19:54*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00667	0.0257	1.01	08/31/2022 00:46	WG1918148
Dalapon	U		0.00409	0.0257	1.01	08/31/2022 00:46	WG1918148
2,4-DB	U		0.0117	0.0257	1.01	08/31/2022 00:46	WG1918148
Dicamba	U		0.00554	0.0257	1.01	08/31/2022 00:46	WG1918148
Dichloroprop	U		0.00429	0.0257	1.01	08/31/2022 00:46	WG1918148
Dinoseb	U		0.00256	0.0257	1.01	08/31/2022 00:46	WG1918148
MCPA	U		0.00439	0.0257	1.01	08/31/2022 00:46	WG1918148
MCPP	U		0.00302	0.0257	1.01	08/31/2022 00:46	WG1918148
2,4,5-T	U		0.00882	0.0257	1.01	08/31/2022 00:46	WG1918148
2,4,5-TP (Silvex)	U		0.00220	0.0257	1.01	08/31/2022 00:46	WG1918148
(S) 2,4-DB-D3	*131*	J1		*70.0-130*		*08/31/2022 00:46*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00293	0.00764	1	09/10/2022 19:29	WG1924027
Acenaphthene	U	T8	0.00266	0.00764	1	09/10/2022 19:29	WG1924027
Acenaphthylene	U	T8	0.00275	0.00764	1	09/10/2022 19:29	WG1924027
Benzo(a)anthracene	U	T8	0.00220	0.00764	1	09/10/2022 19:29	WG1924027
Benzo(a)pyrene	U	T8	0.00228	0.00764	1	09/10/2022 19:29	WG1924027
Benzo(b)fluoranthene	U	T8	0.00195	0.00764	1	09/10/2022 19:29	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00225	0.00764	1	09/10/2022 19:29	WG1924027
Benzo(k)fluoranthene	U	T8	0.00274	0.00764	1	09/10/2022 19:29	WG1924027
Chrysene	U	T8	0.00295	0.00764	1	09/10/2022 19:29	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00219	0.00764	1	09/10/2022 19:29	WG1924027
Fluoranthene	U	T8	0.00289	0.00764	1	09/10/2022 19:29	WG1924027
Fluorene	U	T8	0.00261	0.00764	1	09/10/2022 19:29	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00230	0.00764	1	09/10/2022 19:29	WG1924027
Naphthalene	U	T8	0.00519	0.0255	1	09/10/2022 19:29	WG1924027
Phenanthrene	U	T8	0.00294	0.00764	1	09/10/2022 19:29	WG1924027
Pyrene	U	T8	0.00255	0.00764	1	09/10/2022 19:29	WG1924027
1-Methylnaphthalene	U	T8	0.00571	0.0255	1	09/10/2022 19:29	WG1924027
2-Methylnaphthalene	U	T8	0.00543	0.0255	1	09/10/2022 19:29	WG1924027
2-Chloronaphthalene	U	T8	0.00593	0.0255	1	09/10/2022 19:29	WG1924027
(S) Nitrobenzene-d5	*59.1*			*14.0-149*		*09/10/2022 19:29*	WG1924027
(S) 2-Fluorobiphenyl	*59.7*			*34.0-125*		*09/10/2022 19:29*	WG1924027
(S) p-Terphenyl-d14	*58.6*			*23.0-120*		*09/10/2022 19:29*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	8.30	J	1.40	26.5	1	08/27/2022 06:01	WG1917066
Sulfate	138		17.1	66.2	1	08/27/2022 06:01	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	12.2		0.686	2.65	1	08/30/2022 10:33	WG1917226
Cadmium	0.142	J	0.0624	0.662	1	08/30/2022 10:33	WG1917226

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	17.3		1.47	4.34	25	08/27/2022 19:41	WG1916853
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*77.0-120*		*08/27/2022 19:41*	WG1916853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0633	0.0867	1	08/28/2022 15:12	WG1917768
Acrylonitrile	U	J3	0.00626	0.0217	1	08/28/2022 15:12	WG1917768
Benzene	U		0.000810	0.00173	1	08/28/2022 15:12	WG1917768
Bromobenzene	U		0.00156	0.0217	1	08/28/2022 15:12	WG1917768
Bromodichloromethane	U		0.00126	0.00434	1	08/28/2022 15:12	WG1917768
Bromoform	U		0.00203	0.0434	1	08/28/2022 15:12	WG1917768
Bromomethane	U		0.00342	0.0217	1	08/28/2022 15:12	WG1917768
n-Butylbenzene	U		0.00911	0.0217	1	08/31/2022 14:29	WG1919279
sec-Butylbenzene	U		0.00500	0.0217	1	08/28/2022 15:12	WG1917768
tert-Butylbenzene	U	C3	0.00338	0.00867	1	08/28/2022 15:12	WG1917768
Carbon tetrachloride	U		0.00156	0.00867	1	08/28/2022 15:12	WG1917768
Chlorobenzene	U		0.000364	0.00434	1	08/28/2022 15:12	WG1917768
Chlorodibromomethane	U		0.00106	0.00434	1	08/28/2022 15:12	WG1917768
Chloroethane	U		0.00295	0.00867	1	08/28/2022 15:12	WG1917768
Chloroform	U		0.00179	0.00434	1	08/28/2022 15:12	WG1917768
Chloromethane	U	J3 J4	0.00755	0.0217	1	08/28/2022 15:12	WG1917768
2-Chlorotoluene	U		0.00150	0.00434	1	08/28/2022 15:12	WG1917768
4-Chlorotoluene	U		0.000781	0.00867	1	08/28/2022 15:12	WG1917768
1,2-Dibromo-3-Chloropropane	U	J3	0.00677	0.0434	1	08/28/2022 15:12	WG1917768
1,2-Dibromoethane	U		0.00112	0.00434	1	08/28/2022 15:12	WG1917768
Dibromomethane	U		0.00130	0.00867	1	08/28/2022 15:12	WG1917768
1,2-Dichlorobenzene	U		0.000737	0.00867	1	08/28/2022 15:12	WG1917768
1,3-Dichlorobenzene	U		0.00104	0.00867	1	08/28/2022 15:12	WG1917768
1,4-Dichlorobenzene	U		0.00121	0.00867	1	08/28/2022 15:12	WG1917768
Dichlorodifluoromethane	U	J3	0.00279	0.00434	1	08/28/2022 15:12	WG1917768
1,1-Dichloroethane	U		0.000852	0.00434	1	08/28/2022 15:12	WG1917768
1,2-Dichloroethane	U		0.00113	0.00434	1	08/28/2022 15:12	WG1917768
1,1-Dichloroethene	U	J3	0.00105	0.00434	1	08/28/2022 15:12	WG1917768
cis-1,2-Dichloroethene	U		0.00127	0.00434	1	08/28/2022 15:12	WG1917768
trans-1,2-Dichloroethene	U	C3 J3	0.00180	0.00867	1	08/28/2022 15:12	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00246	0.00867	1	08/28/2022 15:12	WG1917768
1,1-Dichloropropene	U		0.00140	0.00434	1	08/28/2022 15:12	WG1917768
1,3-Dichloropropane	U		0.000869	0.00867	1	08/28/2022 15:12	WG1917768
cis-1,3-Dichloropropene	U		0.00131	0.00434	1	08/28/2022 15:12	WG1917768
trans-1,3-Dichloropropene	U		0.00198	0.00867	1	08/28/2022 15:12	WG1917768
2,2-Dichloropropane	U		0.00239	0.00434	1	08/28/2022 15:12	WG1917768
Di-isopropyl ether	U		0.000711	0.00173	1	08/28/2022 15:12	WG1917768
Ethylbenzene	U		0.00128	0.00434	1	08/31/2022 14:29	WG1919279
Hexachloro-1,3-butadiene	U		0.0104	0.0434	1	08/28/2022 15:12	WG1917768
Isopropylbenzene	U	J3	0.000737	0.00434	1	08/28/2022 15:12	WG1917768
p-Isopropyltoluene	U		0.00442	0.00867	1	08/28/2022 15:12	WG1917768
2-Butanone (MEK)	U	J3	0.110	0.173	1	08/28/2022 15:12	WG1917768
Methylene Chloride	U		0.0115	0.0434	1	08/28/2022 15:12	WG1917768
4-Methyl-2-pentanone (MIBK)	U		0.00396	0.0434	1	08/28/2022 15:12	WG1917768
Methyl tert-butyl ether	U		0.000607	0.00173	1	08/28/2022 15:12	WG1917768
Naphthalene	U	C3	0.00847	0.0217	1	08/31/2022 14:29	WG1919279
n-Propylbenzene	U		0.00165	0.00867	1	08/31/2022 14:29	WG1919279
Styrene	U		0.000397	0.0217	1	08/28/2022 15:12	WG1917768
1,1,1,2-Tetrachloroethane	U	J3	0.00164	0.00434	1	08/28/2022 15:12	WG1917768
1,1,2,2-Tetrachloroethane	U		0.00121	0.00434	1	08/28/2022 15:12	WG1917768
1,1,2-Trichlorotrifluoroethane	U		0.00131	0.00434	1	08/28/2022 15:12	WG1917768
Tetrachloroethene	U	J3	0.00155	0.00434	1	08/28/2022 15:12	WG1917768
Toluene	U		0.00226	0.00867	1	08/28/2022 15:12	WG1917768
1,2,3-Trichlorobenzene	U		0.0127	0.0217	1	08/28/2022 15:12	WG1917768
1,2,4-Trichlorobenzene	U		0.00763	0.0217	1	08/28/2022 15:12	WG1917768
1,1,1-Trichloroethane	U		0.00160	0.00434	1	08/28/2022 15:12	WG1917768
1,1,2-Trichloroethane	U		0.00104	0.00434	1	08/28/2022 15:12	WG1917768
Trichloroethene	U		0.00101	0.00173	1	08/28/2022 15:12	WG1917768
Trichlorofluoromethane	U		0.00143	0.00434	1	08/28/2022 15:12	WG1917768
1,2,3-Trichloropropane	U		0.00281	0.0217	1	08/28/2022 15:12	WG1917768
1,2,4-Trimethylbenzene	0.00486	J	0.00274	0.00867	1	08/31/2022 14:29	WG1919279
1,2,3-Trimethylbenzene	U		0.00274	0.00867	1	08/28/2022 15:12	WG1917768
1,3,5-Trimethylbenzene	U		0.00347	0.00867	1	08/31/2022 14:29	WG1919279
Vinyl chloride	U	J3	0.00201	0.00434	1	08/28/2022 15:12	WG1917768
Xylenes, Total	0.00541	J	0.00153	0.0113	1	08/31/2022 14:29	WG1919279
(S) Toluene-d8	*116*			*75.0-131*		*08/28/2022 15:12*	WG1917768
(S) Toluene-d8	*106*			*75.0-131*		*08/31/2022 14:29*	WG1919279
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*08/28/2022 15:12*	WG1917768
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*08/31/2022 14:29*	WG1919279
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*08/28/2022 15:12*	WG1917768
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*08/31/2022 14:29*	WG1919279

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.76	5.30	1	09/02/2022 20:09	WG1919951
Residual Range Organics (RRO)	U	C4	4.41	13.2	1	09/02/2022 20:09	WG1919951
(S) o-Terphenyl	*52.1*			*18.0-148*		*09/02/2022 20:09*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00686	0.0265	1	08/31/2022 01:08	WG1918148
Dalapon	U		0.00420	0.0265	1	08/31/2022 01:08	WG1918148
2,4-DB	U		0.0120	0.0265	1	08/31/2022 01:08	WG1918148
Dicamba	U		0.00571	0.0265	1	08/31/2022 01:08	WG1918148
Dichloroprop	U		0.00441	0.0265	1	08/31/2022 01:08	WG1918148
Dinoseb	U		0.00263	0.0265	1	08/31/2022 01:08	WG1918148
MCPA	U		0.00453	0.0265	1	08/31/2022 01:08	WG1918148
MCPP	U		0.00310	0.0265	1	08/31/2022 01:08	WG1918148
2,4,5-T	U		0.00908	0.0265	1	08/31/2022 01:08	WG1918148
2,4,5-TP (Silvex)	U		0.00226	0.0265	1	08/31/2022 01:08	WG1918148
(S) 2,4-DB-D3	*135*	J1		*70.0-130*		*08/31/2022 01:08*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00304	0.00794	1	09/10/2022 19:48	WG1924027
Acenaphthene	U	T8	0.00277	0.00794	1	09/10/2022 19:48	WG1924027
Acenaphthylene	U	T8	0.00286	0.00794	1	09/10/2022 19:48	WG1924027
Benzo(a)anthracene	U	T8	0.00229	0.00794	1	09/10/2022 19:48	WG1924027
Benzo(a)pyrene	U	T8	0.00237	0.00794	1	09/10/2022 19:48	WG1924027
Benzo(b)fluoranthene	U	T8	0.00203	0.00794	1	09/10/2022 19:48	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00234	0.00794	1	09/10/2022 19:48	WG1924027
Benzo(k)fluoranthene	U	T8	0.00285	0.00794	1	09/10/2022 19:48	WG1924027
Chrysene	U	T8	0.00307	0.00794	1	09/10/2022 19:48	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00228	0.00794	1	09/10/2022 19:48	WG1924027
Fluoranthene	U	T8	0.00301	0.00794	1	09/10/2022 19:48	WG1924027
Fluorene	U	T8	0.00271	0.00794	1	09/10/2022 19:48	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00240	0.00794	1	09/10/2022 19:48	WG1924027
Naphthalene	U	T8	0.00540	0.0265	1	09/10/2022 19:48	WG1924027
Phenanthrene	U	T8	0.00306	0.00794	1	09/10/2022 19:48	WG1924027
Pyrene	U	T8	0.00265	0.00794	1	09/10/2022 19:48	WG1924027
1-Methylnaphthalene	U	T8	0.00594	0.0265	1	09/10/2022 19:48	WG1924027
2-Methylnaphthalene	U	T8	0.00565	0.0265	1	09/10/2022 19:48	WG1924027
2-Chloronaphthalene	U	T8	0.00617	0.0265	1	09/10/2022 19:48	WG1924027
(S) Nitrobenzene-d5	*38.4*			*14.0-149*		*09/10/2022 19:48*	WG1924027
(S) 2-Fluorobiphenyl	*39.1*			*34.0-125*		*09/10/2022 19:48*	WG1924027
(S) p-Terphenyl-d14	*44.0*			*23.0-120*		*09/10/2022 19:48*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.35	25.5	1	08/27/2022 06:18	WG1917066
Sulfate	105		16.4	63.7	1	08/27/2022 06:18	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	12.4		0.660	2.55	1	08/30/2022 10:36	WG1917226
Cadmium	0.131	J	0.0600	0.637	1	08/30/2022 10:36	WG1917226

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.77	J	1.39	4.09	25	08/27/2022 20:01	WG1916853
(S) a,a,a-Trifluorotoluene(FID)	*88.3*			*77.0-120*		*08/27/2022 20:01*	WG1916853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0593	0.0813	1	08/28/2022 15:34	WG1917768
Acrylonitrile	U	J3	0.00587	0.0203	1	08/28/2022 15:34	WG1917768
Benzene	0.000824	J	0.000759	0.00163	1	08/28/2022 15:34	WG1917768
Bromobenzene	U		0.00146	0.0203	1	08/28/2022 15:34	WG1917768
Bromodichloromethane	U		0.00118	0.00406	1	08/28/2022 15:34	WG1917768
Bromoform	U		0.00190	0.0406	1	08/28/2022 15:34	WG1917768
Bromomethane	U		0.00320	0.0203	1	08/28/2022 15:34	WG1917768
n-Butylbenzene	U		0.00853	0.0203	1	08/28/2022 15:34	WG1917768
sec-Butylbenzene	U		0.00468	0.0203	1	08/28/2022 15:34	WG1917768
tert-Butylbenzene	U	C3	0.00317	0.00813	1	08/28/2022 15:34	WG1917768
Carbon tetrachloride	U		0.00146	0.00813	1	08/28/2022 15:34	WG1917768
Chlorobenzene	U		0.000341	0.00406	1	08/28/2022 15:34	WG1917768
Chlorodibromomethane	U		0.000995	0.00406	1	08/28/2022 15:34	WG1917768
Chloroethane	U		0.00276	0.00813	1	08/28/2022 15:34	WG1917768
Chloroform	U		0.00167	0.00406	1	08/28/2022 15:34	WG1917768
Chloromethane	U	J3 J4	0.00707	0.0203	1	08/28/2022 15:34	WG1917768
2-Chlorotoluene	U		0.00141	0.00406	1	08/28/2022 15:34	WG1917768
4-Chlorotoluene	U		0.000731	0.00813	1	08/28/2022 15:34	WG1917768
1,2-Dibromo-3-Chloropropane	U	J3	0.00634	0.0406	1	08/28/2022 15:34	WG1917768
1,2-Dibromoethane	U		0.00105	0.00406	1	08/28/2022 15:34	WG1917768
Dibromomethane	U		0.00122	0.00813	1	08/28/2022 15:34	WG1917768
1,2-Dichlorobenzene	U		0.000691	0.00813	1	08/28/2022 15:34	WG1917768
1,3-Dichlorobenzene	U		0.000975	0.00813	1	08/28/2022 15:34	WG1917768
1,4-Dichlorobenzene	U		0.00114	0.00813	1	08/28/2022 15:34	WG1917768
Dichlorodifluoromethane	U	J3	0.00262	0.00406	1	08/28/2022 15:34	WG1917768
1,1-Dichloroethane	U		0.000798	0.00406	1	08/28/2022 15:34	WG1917768
1,2-Dichloroethane	U		0.00105	0.00406	1	08/28/2022 15:34	WG1917768
1,1-Dichloroethene	U	J3	0.000985	0.00406	1	08/28/2022 15:34	WG1917768
cis-1,2-Dichloroethene	U		0.00119	0.00406	1	08/28/2022 15:34	WG1917768
trans-1,2-Dichloroethene	U	C3 J3	0.00169	0.00813	1	08/28/2022 15:34	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00231	0.00813	1	08/28/2022 15:34	WG1917768
1,1-Dichloropropene	U		0.00131	0.00406	1	08/28/2022 15:34	WG1917768
1,3-Dichloropropane	U		0.000814	0.00813	1	08/28/2022 15:34	WG1917768
cis-1,3-Dichloropropene	U		0.00123	0.00406	1	08/28/2022 15:34	WG1917768
trans-1,3-Dichloropropene	U		0.00185	0.00813	1	08/28/2022 15:34	WG1917768
2,2-Dichloropropane	U		0.00224	0.00406	1	08/28/2022 15:34	WG1917768
Di-isopropyl ether	U		0.000666	0.00163	1	08/28/2022 15:34	WG1917768
Ethylbenzene	0.00406	J	0.00120	0.00406	1	08/28/2022 15:34	WG1917768
Hexachloro-1,3-butadiene	U		0.00975	0.0406	1	08/28/2022 15:34	WG1917768
Isopropylbenzene	0.00400	J J3	0.000691	0.00406	1	08/28/2022 15:34	WG1917768
p-Isopropyltoluene	U		0.00414	0.00813	1	08/28/2022 15:34	WG1917768
2-Butanone (MEK)	U	J3	0.103	0.163	1	08/28/2022 15:34	WG1917768
Methylene Chloride	U		0.0108	0.0406	1	08/28/2022 15:34	WG1917768
4-Methyl-2-pentanone (MIBK)	U		0.00371	0.0406	1	08/28/2022 15:34	WG1917768
Methyl tert-butyl ether	U		0.000569	0.00163	1	08/28/2022 15:34	WG1917768
Naphthalene	U	C3	0.00793	0.0203	1	08/31/2022 14:48	WG1919279
n-Propylbenzene	U		0.00154	0.00813	1	08/31/2022 14:48	WG1919279
Styrene	U		0.000372	0.0203	1	08/28/2022 15:34	WG1917768
1,1,1,2-Tetrachloroethane	U	J3	0.00154	0.00406	1	08/28/2022 15:34	WG1917768
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1	08/28/2022 15:34	WG1917768
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00406	1	08/28/2022 15:34	WG1917768
Tetrachloroethene	U	J3	0.00146	0.00406	1	08/28/2022 15:34	WG1917768
Toluene	0.0189		0.00211	0.00813	1	08/28/2022 15:34	WG1917768
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	08/28/2022 15:34	WG1917768
1,2,4-Trichlorobenzene	U		0.00715	0.0203	1	08/28/2022 15:34	WG1917768
1,1,1-Trichloroethane	U		0.00150	0.00406	1	08/28/2022 15:34	WG1917768
1,1,2-Trichloroethane	U		0.000970	0.00406	1	08/28/2022 15:34	WG1917768
Trichloroethene	U		0.000949	0.00163	1	08/28/2022 15:34	WG1917768
Trichlorofluoromethane	U		0.00134	0.00406	1	08/28/2022 15:34	WG1917768
1,2,3-Trichloropropane	U		0.00263	0.0203	1	08/28/2022 15:34	WG1917768
1,2,4-Trimethylbenzene	0.00887		0.00257	0.00813	1	08/31/2022 14:48	WG1919279
1,2,3-Trimethylbenzene	0.00476	J	0.00257	0.00813	1	08/28/2022 15:34	WG1917768
1,3,5-Trimethylbenzene	0.00457	J	0.00325	0.00813	1	08/31/2022 14:48	WG1919279
Vinyl chloride	U	J3	0.00189	0.00406	1	08/28/2022 15:34	WG1917768
Xylenes, Total	0.0372		0.00143	0.0106	1	08/28/2022 15:34	WG1917768
(S) Toluene-d8	*115*			*75.0-131*		*08/28/2022 15:34*	WG1917768
(S) Toluene-d8	*104*			*75.0-131*		*08/31/2022 14:48*	WG1919279
(S) 4-Bromofluorobenzene	*93.0*			*67.0-138*		*08/28/2022 15:34*	WG1917768
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*08/31/2022 14:48*	WG1919279
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*08/28/2022 15:34*	WG1917768
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*08/31/2022 14:48*	WG1919279

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.70	5.10	1	09/02/2022 20:23	WG1919951
Residual Range Organics (RRO)	U	C4	4.24	12.7	1	09/02/2022 20:23	WG1919951
(S) o-Terphenyl	*65.8*			*18.0-148*		*09/02/2022 20:23*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00660	0.0255	1	08/31/2022 01:30	WG1918148
Dalapon	U		0.00404	0.0255	1	08/31/2022 01:30	WG1918148
2,4-DB	U		0.0116	0.0255	1	08/31/2022 01:30	WG1918148
Dicamba	U		0.00549	0.0255	1	08/31/2022 01:30	WG1918148
Dichloroprop	U		0.00424	0.0255	1	08/31/2022 01:30	WG1918148
Dinoseb	U		0.00254	0.0255	1	08/31/2022 01:30	WG1918148
MCPA	U		0.00436	0.0255	1	08/31/2022 01:30	WG1918148
MCPP	U		0.00298	0.0255	1	08/31/2022 01:30	WG1918148
2,4,5-T	U		0.00874	0.0255	1	08/31/2022 01:30	WG1918148
2,4,5-TP (Silvex)	U		0.00218	0.0255	1	08/31/2022 01:30	WG1918148
(S) 2,4-DB-D3	*123*			*70.0-130*		*08/31/2022 01:30*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00293	0.00765	1	09/10/2022 20:08	WG1924027
Acenaphthene	U	T8	0.00266	0.00765	1	09/10/2022 20:08	WG1924027
Acenaphthylene	U	T8	0.00275	0.00765	1	09/10/2022 20:08	WG1924027
Benzo(a)anthracene	U	T8	0.00221	0.00765	1	09/10/2022 20:08	WG1924027
Benzo(a)pyrene	U	T8	0.00228	0.00765	1	09/10/2022 20:08	WG1924027
Benzo(b)fluoranthene	U	T8	0.00195	0.00765	1	09/10/2022 20:08	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00226	0.00765	1	09/10/2022 20:08	WG1924027
Benzo(k)fluoranthene	U	T8	0.00274	0.00765	1	09/10/2022 20:08	WG1924027
Chrysene	U	T8	0.00296	0.00765	1	09/10/2022 20:08	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00219	0.00765	1	09/10/2022 20:08	WG1924027
Fluoranthene	U	T8	0.00289	0.00765	1	09/10/2022 20:08	WG1924027
Fluorene	U	T8	0.00261	0.00765	1	09/10/2022 20:08	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00231	0.00765	1	09/10/2022 20:08	WG1924027
Naphthalene	U	T8	0.00520	0.0255	1	09/10/2022 20:08	WG1924027
Phenanthrene	U	T8	0.00294	0.00765	1	09/10/2022 20:08	WG1924027
Pyrene	U	T8	0.00255	0.00765	1	09/10/2022 20:08	WG1924027
1-Methylnaphthalene	U	T8	0.00572	0.0255	1	09/10/2022 20:08	WG1924027
2-Methylnaphthalene	U	T8	0.00544	0.0255	1	09/10/2022 20:08	WG1924027
2-Chloronaphthalene	U	T8	0.00594	0.0255	1	09/10/2022 20:08	WG1924027
(S) Nitrobenzene-d5	*48.1*			*14.0-149*		*09/10/2022 20:08*	WG1924027
(S) 2-Fluorobiphenyl	*55.3*			*34.0-125*		*09/10/2022 20:08*	WG1924027
(S) p-Terphenyl-d14	*55.3*			*23.0-120*		*09/10/2022 20:08*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.34	25.2	1	08/27/2022 06:34	WG1917066
Sulfate	48.1	J	16.3	63.1	1	08/27/2022 06:34	WG1917066

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.79		0.653	2.52	1	08/29/2022 17:10	WG1917946
Cadmium	0.118	J	0.0594	0.631	1	08/29/2022 17:10	WG1917946

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2340	B	273	807	5000	09/01/2022 07:24	WG1919159
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*09/01/2022 07:24*	WG1919159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.469	0.643	8	08/28/2022 20:38	WG1917768
Acrylonitrile	U	J3	0.0465	0.161	8	08/28/2022 20:38	WG1917768
Benzene	15.7		0.00601	0.0129	8	08/28/2022 20:38	WG1917768
Bromobenzene	U		0.0116	0.161	8	08/28/2022 20:38	WG1917768
Bromodichloromethane	U		0.00933	0.0322	8	08/28/2022 20:38	WG1917768
Bromoform	U		0.0150	0.322	8	08/28/2022 20:38	WG1917768
Bromomethane	U		0.0254	0.161	8	08/28/2022 20:38	WG1917768
n-Butylbenzene	19.3		0.0675	0.161	8	08/28/2022 20:38	WG1917768
sec-Butylbenzene	12.9		0.0370	0.161	8	08/28/2022 20:38	WG1917768
tert-Butylbenzene	1.52	C3	0.0251	0.0643	8	08/28/2022 20:38	WG1917768
Carbon tetrachloride	U		0.0115	0.0643	8	08/28/2022 20:38	WG1917768
Chlorobenzene	U		0.00270	0.0322	8	08/28/2022 20:38	WG1917768
Chlorodibromomethane	U		0.00788	0.0322	8	08/28/2022 20:38	WG1917768
Chloroethane	U		0.0219	0.0643	8	08/28/2022 20:38	WG1917768
Chloroform	U		0.0132	0.0322	8	08/28/2022 20:38	WG1917768
Chloromethane	U	J3 J4	0.0560	0.161	8	08/28/2022 20:38	WG1917768
2-Chlorotoluene	U		0.0111	0.0322	8	08/28/2022 20:38	WG1917768
4-Chlorotoluene	U		0.00579	0.0643	8	08/28/2022 20:38	WG1917768
1,2-Dibromo-3-Chloropropane	U	J3	0.0502	0.322	8	08/28/2022 20:38	WG1917768
1,2-Dibromoethane	U		0.00833	0.0322	8	08/28/2022 20:38	WG1917768
Dibromomethane	U		0.00965	0.0643	8	08/28/2022 20:38	WG1917768
1,2-Dichlorobenzene	U		0.00547	0.0643	8	08/28/2022 20:38	WG1917768
1,3-Dichlorobenzene	U		0.00772	0.0643	8	08/28/2022 20:38	WG1917768
1,4-Dichlorobenzene	U		0.00900	0.0643	8	08/28/2022 20:38	WG1917768
Dichlorodifluoromethane	U	J3	0.0207	0.0322	8	08/28/2022 20:38	WG1917768
1,1-Dichloroethane	U		0.00632	0.0322	8	08/28/2022 20:38	WG1917768
1,2-Dichloroethane	U		0.00834	0.0322	8	08/28/2022 20:38	WG1917768
1,1-Dichloroethene	U	J3	0.00780	0.0322	8	08/28/2022 20:38	WG1917768
cis-1,2-Dichloroethene	U		0.00944	0.0322	8	08/28/2022 20:38	WG1917768
trans-1,2-Dichloroethene	U	C3 J3	0.0134	0.0643	8	08/28/2022 20:38	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.0183	0.0643	8	08/28/2022 20:38	WG1917768
1,1-Dichloropropene	U		0.0104	0.0322	8	08/28/2022 20:38	WG1917768
1,3-Dichloropropane	U		0.00645	0.0643	8	08/28/2022 20:38	WG1917768
cis-1,3-Dichloropropene	U		0.00974	0.0322	8	08/28/2022 20:38	WG1917768
trans-1,3-Dichloropropene	U		0.0147	0.0643	8	08/28/2022 20:38	WG1917768
2,2-Dichloropropane	U		0.0177	0.0322	8	08/28/2022 20:38	WG1917768
Di-isopropyl ether	U		0.00527	0.0129	8	08/28/2022 20:38	WG1917768
Ethylbenzene	118		0.474	1.61	400	08/31/2022 15:08	WG1919279
Hexachloro-1,3-butadiene	U		0.0772	0.322	8	08/28/2022 20:38	WG1917768
Isopropylbenzene	13.2	J3	0.00547	0.0322	8	08/28/2022 20:38	WG1917768
p-Isopropyltoluene	6.80		0.0328	0.0643	8	08/28/2022 20:38	WG1917768
2-Butanone (MEK)	U	J3	0.817	1.29	8	08/28/2022 20:38	WG1917768
Methylene Chloride	U		0.0854	0.322	8	08/28/2022 20:38	WG1917768
4-Methyl-2-pentanone (MIBK)	U		0.0293	0.322	8	08/28/2022 20:38	WG1917768
Methyl tert-butyl ether	U		0.00450	0.0129	8	08/28/2022 20:38	WG1917768
Naphthalene	42.8	C3	3.14	8.04	400	08/31/2022 15:08	WG1919279
n-Propylbenzene	48.7		0.611	3.22	400	08/31/2022 15:08	WG1919279
Styrene	U		0.00294	0.161	8	08/28/2022 20:38	WG1917768
1,1,1,2-Tetrachloroethane	U	J3	0.0122	0.0322	8	08/28/2022 20:38	WG1917768
1,1,2,2-Tetrachloroethane	U		0.00894	0.0322	8	08/28/2022 20:38	WG1917768
1,1,2-Trichlorotrifluoroethane	U		0.00970	0.0322	8	08/28/2022 20:38	WG1917768
Tetrachloroethene	U	J3	0.0115	0.0322	8	08/28/2022 20:38	WG1917768
Toluene	249		0.836	3.22	400	08/31/2022 15:08	WG1919279
1,2,3-Trichlorobenzene	U		0.0942	0.161	8	08/28/2022 20:38	WG1917768
1,2,4-Trichlorobenzene	U		0.0566	0.161	8	08/28/2022 20:38	WG1917768
1,1,1-Trichloroethane	U		0.0119	0.0322	8	08/28/2022 20:38	WG1917768
1,1,2-Trichloroethane	U		0.00769	0.0322	8	08/28/2022 20:38	WG1917768
Trichloroethene	U		0.00751	0.0129	8	08/28/2022 20:38	WG1917768
Trichlorofluoromethane	U		0.0106	0.0322	8	08/28/2022 20:38	WG1917768
1,2,3-Trichloropropane	U		0.0209	0.161	8	08/28/2022 20:38	WG1917768
1,2,4-Trimethylbenzene	495		1.02	3.22	400	08/31/2022 15:08	WG1919279
1,2,3-Trimethylbenzene	111		1.02	3.22	400	08/31/2022 15:08	WG1919279
1,3,5-Trimethylbenzene	142		1.29	3.22	400	08/31/2022 15:08	WG1919279
Vinyl chloride	U	J3	0.0149	0.0322	8	08/28/2022 20:38	WG1917768
Xylenes, Total	1070		0.566	4.18	400	08/31/2022 15:08	WG1919279
(S) Toluene-d8	*109*			*75.0-131*		*08/28/2022 20:38*	WG1917768
(S) Toluene-d8	*102*			*75.0-131*		*08/31/2022 15:08*	WG1919279
(S) 4-Bromofluorobenzene	*72.4*			*67.0-138*		*08/28/2022 20:38*	WG1917768
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/31/2022 15:08*	WG1919279
(S) 1,2-Dichloroethane-d4	*82.6*			*70.0-130*		*08/28/2022 20:38*	WG1917768
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*08/31/2022 15:08*	WG1919279

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	108		1.68	5.04	1	09/02/2022 21:33	WG1919951
Residual Range Organics (RRO)	11.5	C4 J	4.20	12.6	1	09/02/2022 21:33	WG1919951
(S) o-Terphenyl	*63.7*			*18.0-148*		*09/02/2022 21:33*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00653	0.0252	1	08/31/2022 01:51	WG1918148
Dalapon	U		0.00400	0.0252	1	08/31/2022 01:51	WG1918148
2,4-DB	U		0.0115	0.0252	1	08/31/2022 01:51	WG1918148
Dicamba	U		0.00544	0.0252	1	08/31/2022 01:51	WG1918148
Dichloroprop	U		0.00420	0.0252	1	08/31/2022 01:51	WG1918148
Dinoseb	U		0.00251	0.0252	1	08/31/2022 01:51	WG1918148
MCPA	U		0.00431	0.0252	1	08/31/2022 01:51	WG1918148
MCPP	U		0.00295	0.0252	1	08/31/2022 01:51	WG1918148
2,4,5-T	U		0.00865	0.0252	1	08/31/2022 01:51	WG1918148
2,4,5-TP (Silvex)	U		0.00216	0.0252	1	08/31/2022 01:51	WG1918148
(S) 2,4-DB-D3	*137*	J1		*70.0-130*		*08/31/2022 01:51*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00383	J T8	0.00290	0.00757	1	09/11/2022 00:07	WG1924027
Acenaphthene	0.0187	T8	0.00264	0.00757	1	09/11/2022 00:07	WG1924027
Acenaphthylene	U	T8	0.00272	0.00757	1	09/11/2022 00:07	WG1924027
Benzo(a)anthracene	0.00230	J T8	0.00218	0.00757	1	09/11/2022 00:07	WG1924027
Benzo(a)pyrene	U	T8	0.00226	0.00757	1	09/11/2022 00:07	WG1924027
Benzo(b)fluoranthene	U	T8	0.00193	0.00757	1	09/11/2022 00:07	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00223	0.00757	1	09/11/2022 00:07	WG1924027
Benzo(k)fluoranthene	U	T8	0.00271	0.00757	1	09/11/2022 00:07	WG1924027
Chrysene	U	T8	0.00293	0.00757	1	09/11/2022 00:07	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00217	0.00757	1	09/11/2022 00:07	WG1924027
Fluoranthene	0.0121	T8	0.00286	0.00757	1	09/11/2022 00:07	WG1924027
Fluorene	0.0141	T8	0.00259	0.00757	1	09/11/2022 00:07	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00228	0.00757	1	09/11/2022 00:07	WG1924027
Naphthalene	1.85	T8	0.00515	0.0252	1	09/11/2022 00:07	WG1924027
Phenanthrene	0.0383	T8	0.00291	0.00757	1	09/11/2022 00:07	WG1924027
Pyrene	0.0109	T8	0.00252	0.00757	1	09/11/2022 00:07	WG1924027
1-Methylnaphthalene	1.03	T8	0.00566	0.0252	1	09/11/2022 00:07	WG1924027
2-Methylnaphthalene	2.08	T8	0.00539	0.0252	1	09/11/2022 00:07	WG1924027
2-Chloronaphthalene	U	T8	0.00588	0.0252	1	09/11/2022 00:07	WG1924027
(S) Nitrobenzene-d5	*115*			*14.0-149*		*09/11/2022 00:07*	WG1924027
(S) 2-Fluorobiphenyl	*68.5*			*34.0-125*		*09/11/2022 00:07*	WG1924027
(S) p-Terphenyl-d14	*72.3*			*23.0-120*		*09/11/2022 00:07*	WG1924027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	08/26/2022 09:58	WG1916861

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nitrate-Nitrite	U		1.38	26.0	1	08/27/2022 03:20	WG1917071
Sulfate	77.2		16.8	65.0	1	08/27/2022 03:20	WG1917071

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.8		0.673	2.60	1	08/29/2022 17:13	WG1917946
Cadmium	0.128	J	0.0612	0.650	1	08/29/2022 17:13	WG1917946

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	20.1		1.41	4.16	25	08/30/2022 19:51	WG1917409
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*08/30/2022 19:51*	WG1917409

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3 J3	0.0612	0.0838	1	08/28/2022 15:54	WG1917768
Acrylonitrile	U	J3	0.00605	0.0209	1	08/28/2022 15:54	WG1917768
Benzene	0.0191		0.000783	0.00168	1	08/28/2022 15:54	WG1917768
Bromobenzene	U		0.00151	0.0209	1	08/28/2022 15:54	WG1917768
Bromodichloromethane	U		0.00122	0.00419	1	08/28/2022 15:54	WG1917768
Bromoform	U		0.00196	0.0419	1	08/28/2022 15:54	WG1917768
Bromomethane	U		0.00330	0.0209	1	08/28/2022 15:54	WG1917768
n-Butylbenzene	U		0.00880	0.0209	1	08/28/2022 15:54	WG1917768
sec-Butylbenzene	0.00605	J	0.00483	0.0209	1	08/28/2022 15:54	WG1917768
tert-Butylbenzene	U	C3	0.00327	0.00838	1	08/28/2022 15:54	WG1917768
Carbon tetrachloride	U		0.00151	0.00838	1	08/28/2022 15:54	WG1917768
Chlorobenzene	U		0.000352	0.00419	1	08/28/2022 15:54	WG1917768
Chlorodibromomethane	U		0.00103	0.00419	1	08/28/2022 15:54	WG1917768
Chloroethane	U		0.00285	0.00838	1	08/28/2022 15:54	WG1917768
Chloroform	U		0.00173	0.00419	1	08/28/2022 15:54	WG1917768
Chloromethane	U	J3 J4	0.00729	0.0209	1	08/28/2022 15:54	WG1917768
2-Chlorotoluene	U		0.00145	0.00419	1	08/28/2022 15:54	WG1917768
4-Chlorotoluene	U		0.000754	0.00838	1	08/28/2022 15:54	WG1917768
1,2-Dibromo-3-Chloropropane	U	J3	0.00654	0.0419	1	08/28/2022 15:54	WG1917768
1,2-Dibromoethane	U		0.00109	0.00419	1	08/28/2022 15:54	WG1917768
Dibromomethane	U		0.00126	0.00838	1	08/28/2022 15:54	WG1917768
1,2-Dichlorobenzene	U		0.000712	0.00838	1	08/28/2022 15:54	WG1917768
1,3-Dichlorobenzene	U		0.00101	0.00838	1	08/28/2022 15:54	WG1917768
1,4-Dichlorobenzene	U		0.00117	0.00838	1	08/28/2022 15:54	WG1917768
Dichlorodifluoromethane	U	J3	0.00270	0.00419	1	08/28/2022 15:54	WG1917768
1,1-Dichloroethane	U		0.000823	0.00419	1	08/28/2022 15:54	WG1917768
1,2-Dichloroethane	U		0.00109	0.00419	1	08/28/2022 15:54	WG1917768
1,1-Dichloroethene	U	J3	0.00102	0.00419	1	08/28/2022 15:54	WG1917768
cis-1,2-Dichloroethene	U		0.00123	0.00419	1	08/28/2022 15:54	WG1917768
trans-1,2-Dichloroethene	U	C3 J3	0.00174	0.00838	1	08/28/2022 15:54	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.00238	0.00838	1	08/28/2022 15:54	WG1917768
1,1-Dichloropropene	U		0.00136	0.00419	1	08/28/2022 15:54	WG1917768
1,3-Dichloropropane	U		0.000840	0.00838	1	08/28/2022 15:54	WG1917768
cis-1,3-Dichloropropene	U		0.00127	0.00419	1	08/28/2022 15:54	WG1917768
trans-1,3-Dichloropropene	U		0.00191	0.00838	1	08/28/2022 15:54	WG1917768
2,2-Dichloropropane	U		0.00231	0.00419	1	08/28/2022 15:54	WG1917768
Di-isopropyl ether	U		0.000687	0.00168	1	08/28/2022 15:54	WG1917768
Ethylbenzene	0.0225		0.00124	0.00419	1	08/28/2022 15:54	WG1917768
Hexachloro-1,3-butadiene	U		0.0101	0.0419	1	08/28/2022 15:54	WG1917768
Isopropylbenzene	0.0103	J3	0.000712	0.00419	1	08/28/2022 15:54	WG1917768
p-Isopropyltoluene	U		0.00427	0.00838	1	08/28/2022 15:54	WG1917768
2-Butanone (MEK)	U	J3	0.106	0.168	1	08/28/2022 15:54	WG1917768
Methylene Chloride	U		0.0111	0.0419	1	08/28/2022 15:54	WG1917768
4-Methyl-2-pentanone (MIBK)	U		0.00382	0.0419	1	08/28/2022 15:54	WG1917768
Methyl tert-butyl ether	U		0.000587	0.00168	1	08/28/2022 15:54	WG1917768
Naphthalene	U		0.00818	0.0209	1	08/28/2022 15:54	WG1917768
n-Propylbenzene	0.00722	J	0.00159	0.00838	1	08/28/2022 15:54	WG1917768
Styrene	U		0.000384	0.0209	1	08/28/2022 15:54	WG1917768
1,1,1,2-Tetrachloroethane	U	J3	0.00159	0.00419	1	08/28/2022 15:54	WG1917768
1,1,2,2-Tetrachloroethane	U		0.00116	0.00419	1	08/28/2022 15:54	WG1917768
1,1,2-Trichlorotrifluoroethane	U		0.00126	0.00419	1	08/28/2022 15:54	WG1917768
Tetrachloroethene	U	J3	0.00150	0.00419	1	08/28/2022 15:54	WG1917768
Toluene	0.132		0.00218	0.00838	1	08/28/2022 15:54	WG1917768
1,2,3-Trichlorobenzene	U		0.0123	0.0209	1	08/28/2022 15:54	WG1917768
1,2,4-Trichlorobenzene	U		0.00737	0.0209	1	08/28/2022 15:54	WG1917768
1,1,1-Trichloroethane	U		0.00155	0.00419	1	08/28/2022 15:54	WG1917768
1,1,2-Trichloroethane	U		0.00100	0.00419	1	08/28/2022 15:54	WG1917768
Trichloroethene	U		0.000979	0.00168	1	08/28/2022 15:54	WG1917768
Trichlorofluoromethane	U		0.00139	0.00419	1	08/28/2022 15:54	WG1917768
1,2,3-Trichloropropane	U		0.00272	0.0209	1	08/28/2022 15:54	WG1917768
1,2,4-Trimethylbenzene	0.0416		0.00265	0.00838	1	08/28/2022 15:54	WG1917768
1,2,3-Trimethylbenzene	0.00848		0.00265	0.00838	1	08/28/2022 15:54	WG1917768
1,3,5-Trimethylbenzene	0.0152		0.00335	0.00838	1	08/28/2022 15:54	WG1917768
Vinyl chloride	U	J3	0.00194	0.00419	1	08/28/2022 15:54	WG1917768
Xylenes, Total	0.184		0.00147	0.0109	1	08/28/2022 15:54	WG1917768
(S) Toluene-d8	*117*			*75.0-131*		*08/28/2022 15:54*	WG1917768
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*		*08/28/2022 15:54*	WG1917768
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*08/28/2022 15:54*	WG1917768

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.73	5.20	1	09/02/2022 20:37	WG1919951
Residual Range Organics (RRO)	U	C4	4.33	13.0	1	09/02/2022 20:37	WG1919951
(S) o-Terphenyl	*55.0*			*18.0-148*		*09/02/2022 20:37*	WG1919951

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00700	0.0270	1.04	08/31/2022 02:13	WG1918148
Dalapon	U		0.00429	0.0270	1.04	08/31/2022 02:13	WG1918148
2,4-DB	U		0.0123	0.0270	1.04	08/31/2022 02:13	WG1918148
Dicamba	U		0.00582	0.0270	1.04	08/31/2022 02:13	WG1918148
Dichloroprop	U		0.00451	0.0270	1.04	08/31/2022 02:13	WG1918148
Dinoseb	U		0.00269	0.0270	1.04	08/31/2022 02:13	WG1918148

Semi-Volatile Organic Compounds (LCMS) by Method SW-846 8321

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
MCPA	U		0.00461	0.0270	1.04	08/31/2022 02:13	WG1918148
MCPP	U		0.00317	0.0270	1.04	08/31/2022 02:13	WG1918148
2,4,5-T	U		0.00928	0.0270	1.04	08/31/2022 02:13	WG1918148
2,4,5-TP (Silvex)	U		0.00231	0.0270	1.04	08/31/2022 02:13	WG1918148
(S) 2,4-DB-D3	*128*			*70.0-130*		*08/31/2022 02:13*	WG1918148

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U	T8	0.00299	0.00780	1	09/10/2022 20:28	WG1924027
Acenaphthene	U	T8	0.00272	0.00780	1	09/10/2022 20:28	WG1924027
Acenaphthylene	U	T8	0.00281	0.00780	1	09/10/2022 20:28	WG1924027
Benzo(a)anthracene	U	T8	0.00225	0.00780	1	09/10/2022 20:28	WG1924027
Benzo(a)pyrene	U	T8	0.00233	0.00780	1	09/10/2022 20:28	WG1924027
Benzo(b)fluoranthene	U	T8	0.00199	0.00780	1	09/10/2022 20:28	WG1924027
Benzo(g,h,i)perylene	U	T8	0.00230	0.00780	1	09/10/2022 20:28	WG1924027
Benzo(k)fluoranthene	U	T8	0.00279	0.00780	1	09/10/2022 20:28	WG1924027
Chrysene	U	T8	0.00301	0.00780	1	09/10/2022 20:28	WG1924027
Dibenz(a,h)anthracene	U	T8	0.00223	0.00780	1	09/10/2022 20:28	WG1924027
Fluoranthene	U	T8	0.00295	0.00780	1	09/10/2022 20:28	WG1924027
Fluorene	U	T8	0.00266	0.00780	1	09/10/2022 20:28	WG1924027
Indeno(1,2,3-cd)pyrene	U	T8	0.00235	0.00780	1	09/10/2022 20:28	WG1924027
Naphthalene	U	T8	0.00530	0.0260	1	09/10/2022 20:28	WG1924027
Phenanthrene	U	T8	0.00300	0.00780	1	09/10/2022 20:28	WG1924027
Pyrene	U	T8	0.00260	0.00780	1	09/10/2022 20:28	WG1924027
1-Methylnaphthalene	U	T8	0.00583	0.0260	1	09/10/2022 20:28	WG1924027
2-Methylnaphthalene	U	T8	0.00555	0.0260	1	09/10/2022 20:28	WG1924027
2-Chloronaphthalene	U	T8	0.00606	0.0260	1	09/10/2022 20:28	WG1924027
(S) Nitrobenzene-d5	*50.9*			*14.0-149*		*09/10/2022 20:28*	WG1924027
(S) 2-Fluorobiphenyl	*57.1*			*34.0-125*		*09/10/2022 20:28*	WG1924027
(S) p-Terphenyl-d14	*57.7*			*23.0-120*		*09/10/2022 20:28*	WG1924027

Method Blank (MB)

(MB) R3831062-1 08/26/22 10:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1529073-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1529073-10 08/26/22 10:19 • (DUP) R3831062-3 08/26/22 10:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.1	90.1	1	1.05		10

Laboratory Control Sample (LCS)

(LCS) R3831062-2 08/26/22 10:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3831061-1 08/26/22 09:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1528888-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528888-01 08/26/22 09:58 • (DUP) R3831061-3 08/26/22 09:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.9	85.2	1	2.77		10

Laboratory Control Sample (LCS)

(LCS) R3831061-2 08/26/22 09:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3831168-1 08/26/22 22:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1528692-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1528692-27 08/27/22 00:39 • (DUP) R3831168-3 08/27/22 00:55

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15
Sulfate	28.1	30.4	1	7.63	J	15

L1528886-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1528886-08 08/27/22 06:34 • (DUP) R3831168-6 08/27/22 06:51

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15
Sulfate	48.1	52.2	1	8.30	J	15

Laboratory Control Sample (LCS)

(LCS) R3831168-2 08/26/22 22:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	44.0	110	80.0-120	
Sulfate	200	215	108	80.0-120	

L1528692-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528692-27 08/27/22 00:39 • (MS) R3831168-4 08/27/22 01:46 • (MSD) R3831168-5 08/27/22 02:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	106	U	109	111	103	105	1	80.0-120			1.95	15
Sulfate	529	28.1	538	546	96.3	97.9	1	80.0-120			1.52	15

Method Blank (MB)

(MB) R3831169-1 08/26/22 20:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		1.06	20.0
Sulfate	U		12.9	50.0

L1528727-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1528727-22 08/26/22 22:37 • (DUP) R3831169-3 08/26/22 22:52

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		15
Sulfate	3740	4060	1	8.22	E	15

L1528843-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528843-01 08/27/22 01:50 • (DUP) R3831169-4 08/27/22 02:05

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1.26	1.27	1	0.865	J	15
Sulfate	178	179	1	0.716		15

Laboratory Control Sample (LCS)

(LCS) R3831169-2 08/26/22 20:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	40.8	102	80.0-120	
Sulfate	200	208	104	80.0-120	

L1528843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528843-01 08/27/22 01:50 • (MS) R3831169-5 08/27/22 02:20 • (MSD) R3831169-6 08/27/22 03:05

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	118	1.26	124	126	104	106	1	80.0-120			1.86	15
Sulfate	588	178	891	877	121	119	1	80.0-120	J5		1.61	15

Method Blank (MB)

(MB) R3832146-1 08/30/22 17:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3832146-2 08/30/22 17:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	89.2	89.2	80.0-120	
Cadmium	100	90.4	90.4	80.0-120	

L1528844-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528844-01 08/30/22 17:39 • (MS) R3832146-5 08/30/22 17:47 • (MSD) R3832146-6 08/30/22 17:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	112	2.34	107	115	94.0	101	1	75.0-125			6.82	20
Cadmium	112	0.338	106	112	95.0	100	1	75.0-125			5.47	20

Method Blank (MB)

(MB) R3832017-1 08/30/22 10:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3832017-2 08/30/22 10:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.4	96.4	80.0-120	
Cadmium	100	98.5	98.5	80.0-120	

L1529246-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529246-48 08/30/22 10:16 • (MS) R3832017-5 08/30/22 10:25 • (MSD) R3832017-6 08/30/22 10:27

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	3.56	100	104	96.7	100	1	75.0-125			3.49	20
Cadmium	100	0.184	102	104	102	104	1	75.0-125			2.43	20

Method Blank (MB)

(MB) R3831714-1 08/29/22 16:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cadmium	U		0.0471	0.500

Laboratory Control Sample (LCS)

(LCS) R3831714-2 08/29/22 16:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.1	94.1	80.0-120	
Cadmium	100	96.8	96.8	80.0-120	

L1529560-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529560-37 08/29/22 16:56 • (MS) R3831714-5 08/29/22 17:04 • (MSD) R3831714-6 08/29/22 17:07

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	2.29	131	91.9	129	89.6	1	75.0-125	J5	J3	35.3	20
Cadmium	100	4.15	135	93.0	131	88.8	1	75.0-125	J5	J3	36.7	20

Method Blank (MB)

(MB) R3831823-2 08/27/22 12:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3831823-1 08/27/22 11:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	5.10	92.7	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

L1528598-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528598-03 08/27/22 13:53 • (MS) R3831823-3 08/27/22 20:22 • (MSD) R3831823-4 08/27/22 20:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	204	2.09	200	190	97.3	92.1	25	50.0-150			5.41	27
(S) a,a,a-Trifluorotoluene(FID)					*101*	*100*		*77.0-120*				

Method Blank (MB)

(MB) R3832217-2 08/30/22 17:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3832217-1 08/30/22 15:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	5.48	99.6	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

L1528886-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-09 08/30/22 19:51 • (MS) R3832217-3 08/31/22 02:40 • (MSD) R3832217-4 08/31/22 03:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	188	20.1	170	177	79.6	83.1	25	50.0-150			3.85	27
(S) a,a,a-Trifluorotoluene(FID)					*105*	*106*		*77.0-120*				

Method Blank (MB)

(MB) R3832220-2 08/30/22 17:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3832220-1 08/30/22 15:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.48	99.6	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

Method Blank (MB)

(MB) R3832882-2 08/31/22 23:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.86	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

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

(LCS) R3832882-1 08/31/22 22:26 • (LCSD) R3832882-3 09/01/22 10:14

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	6.14	5.24	112	95.3	71.0-124			15.8	20
(S) a,a,a-Trifluorotoluene(FID)				*112*	*109*	*77.0-120*				

Method Blank (MB)

(MB) R3831389-3 08/28/22 11:55

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	0.00250
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

Method Blank (MB)

(MB) R3831389-3 08/28/22 11:55

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*

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

(LCS) R3831389-1 08/28/22 10:37 • (LCSD) R3831389-2 08/28/22 10:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.714	0.702	114	112	10.0-160			1.69	31
Acrylonitrile	0.625	0.742	0.758	119	121	45.0-153			2.13	22
Benzene	0.125	0.122	0.119	97.6	95.2	70.0-123			2.49	20
Bromobenzene	0.125	0.122	0.121	97.6	96.8	73.0-121			0.823	20
Bromodichloromethane	0.125	0.130	0.127	104	102	73.0-121			2.33	20

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

(LCS) R3831389-1 08/28/22 10:37 • (LCSD) R3831389-2 08/28/22 10:56

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 %
Bromoform	0.125	0.135	0.136	108	109	64.0-132			0.738	20
Bromomethane	0.125	0.120	0.117	96.0	93.6	56.0-147			2.53	20
n-Butylbenzene	0.125	0.121	0.124	96.8	99.2	68.0-135			2.45	20
sec-Butylbenzene	0.125	0.119	0.122	95.2	97.6	74.0-130			2.49	20
tert-Butylbenzene	0.125	0.125	0.127	100	102	75.0-127			1.59	20
Carbon tetrachloride	0.125	0.129	0.132	103	106	66.0-128			2.30	20
Chlorobenzene	0.125	0.117	0.122	93.6	97.6	76.0-128			4.18	20
Chlorodibromomethane	0.125	0.124	0.129	99.2	103	74.0-127			3.95	20
Chloroethane	0.125	0.119	0.124	95.2	99.2	61.0-134			4.12	20
Chloroform	0.125	0.125	0.121	100	96.8	72.0-123			3.25	20
Chloromethane	0.125	0.101	0.102	80.8	81.6	51.0-138			0.985	20
2-Chlorotoluene	0.125	0.121	0.127	96.8	102	75.0-124			4.84	20
4-Chlorotoluene	0.125	0.122	0.128	97.6	102	75.0-124			4.80	20
1,2-Dibromo-3-Chloropropane	0.125	0.136	0.137	109	110	59.0-130			0.733	20
1,2-Dibromoethane	0.125	0.129	0.132	103	106	74.0-128			2.30	20
Dibromomethane	0.125	0.128	0.128	102	102	75.0-122			0.000	20
1,2-Dichlorobenzene	0.125	0.127	0.128	102	102	76.0-124			0.784	20
1,3-Dichlorobenzene	0.125	0.121	0.121	96.8	96.8	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.118	0.118	94.4	94.4	77.0-121			0.000	20
Dichlorodifluoromethane	0.125	0.0929	0.0943	74.3	75.4	43.0-156			1.50	20
1,1-Dichloroethane	0.125	0.125	0.126	100	101	70.0-127			0.797	20
1,2-Dichloroethane	0.125	0.128	0.121	102	96.8	65.0-131			5.62	20
1,1-Dichloroethene	0.125	0.110	0.114	88.0	91.2	65.0-131			3.57	20
cis-1,2-Dichloroethene	0.125	0.128	0.127	102	102	73.0-125			0.784	20
trans-1,2-Dichloroethene	0.125	0.123	0.122	98.4	97.6	71.0-125			0.816	20
1,2-Dichloropropane	0.125	0.125	0.116	100	92.8	74.0-125			7.47	20
1,1-Dichloropropene	0.125	0.120	0.124	96.0	99.2	73.0-125			3.28	20
1,3-Dichloropropane	0.125	0.126	0.128	101	102	80.0-125			1.57	20
cis-1,3-Dichloropropene	0.125	0.131	0.129	105	103	76.0-127			1.54	20
trans-1,3-Dichloropropene	0.125	0.111	0.114	88.8	91.2	73.0-127			2.67	20
2,2-Dichloropropane	0.125	0.127	0.133	102	106	59.0-135			4.62	20
Di-isopropyl ether	0.125	0.122	0.114	97.6	91.2	60.0-136			6.78	20
Ethylbenzene	0.125	0.121	0.130	96.8	104	74.0-126			7.17	20
Hexachloro-1,3-butadiene	0.125	0.116	0.117	92.8	93.6	57.0-150			0.858	20
Isopropylbenzene	0.125	0.123	0.129	98.4	103	72.0-127			4.76	20
p-Isopropyltoluene	0.125	0.123	0.125	98.4	100	72.0-133			1.61	20
2-Butanone (MEK)	0.625	0.615	0.640	98.4	102	30.0-160			3.98	24
Methylene Chloride	0.125	0.123	0.121	98.4	96.8	68.0-123			1.64	20
4-Methyl-2-pentanone (MIBK)	0.625	0.755	0.746	121	119	56.0-143			1.20	20
Methyl tert-butyl ether	0.125	0.136	0.130	109	104	66.0-132			4.51	20

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

(LCS) R3831389-1 08/28/22 10:37 • (LCSD) R3831389-2 08/28/22 10:56

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 %
Naphthalene	0.125	0.104	0.102	83.2	81.6	59.0-130			1.94	20
n-Propylbenzene	0.125	0.125	0.128	100	102	74.0-126			2.37	20
Styrene	0.125	0.119	0.122	95.2	97.6	72.0-127			2.49	20
1,1,1,2-Tetrachloroethane	0.125	0.124	0.127	99.2	102	74.0-129			2.39	20
1,1,2,2-Tetrachloroethane	0.125	0.131	0.128	105	102	68.0-128			2.32	20
1,1,2-Trichlorotrifluoroethane	0.125	0.122	0.124	97.6	99.2	61.0-139			1.63	20
Tetrachloroethene	0.125	0.116	0.128	92.8	102	70.0-136			9.84	20
Toluene	0.125	0.110	0.117	88.0	93.6	75.0-121			6.17	20
1,2,3-Trichlorobenzene	0.125	0.116	0.117	92.8	93.6	59.0-139			0.858	20
1,2,4-Trichlorobenzene	0.125	0.108	0.107	86.4	85.6	62.0-137			0.930	20
1,1,1-Trichloroethane	0.125	0.124	0.128	99.2	102	69.0-126			3.17	20
1,1,2-Trichloroethane	0.125	0.126	0.124	101	99.2	78.0-123			1.60	20
Trichloroethene	0.125	0.118	0.121	94.4	96.8	76.0-126			2.51	20
Trichlorofluoromethane	0.125	0.101	0.105	80.8	84.0	61.0-142			3.88	20
1,2,3-Trichloropropane	0.125	0.138	0.134	110	107	67.0-129			2.94	20
1,2,4-Trimethylbenzene	0.125	0.121	0.125	96.8	100	70.0-126			3.25	20
1,2,3-Trimethylbenzene	0.125	0.124	0.128	99.2	102	74.0-124			3.17	20
1,3,5-Trimethylbenzene	0.125	0.116	0.121	92.8	96.8	73.0-127			4.22	20
Vinyl chloride	0.125	0.116	0.122	92.8	97.6	63.0-134			5.04	20
Xylenes, Total	0.375	0.368	0.393	98.1	105	72.0-127			6.57	20
(S) Toluene-d8				*102*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*106*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*99.2*	*70.0-130*				

L1528654-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528654-14 08/28/22 16:51 • (MS) R3831389-4 08/28/22 21:06 • (MSD) R3831389-5 08/28/22 21:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.739	0.0775	0.367	0.419	39.1	46.2	1	10.0-160			13.3	40
Acrylonitrile	0.739	U	0.606	0.639	81.9	86.4	1	10.0-160			5.32	40
Benzene	0.148	0.00772	0.0797	0.157	48.7	101	1	10.0-149		J3	65.5	37
Bromobenzene	0.148	U	0.0943	0.148	63.8	100	1	10.0-156		J3	44.3	38
Bromodichloromethane	0.148	U	0.0841	0.140	56.9	94.4	1	10.0-143		J3	49.6	37
Bromoform	0.148	U	0.102	0.150	69.2	102	1	10.0-146		J3	37.9	36
Bromomethane	0.148	U	0.0565	0.123	38.2	83.2	1	10.0-149		J3	74.0	38
n-Butylbenzene	0.148	U	0.0736	0.160	49.8	108	1	10.0-160		J3	73.8	40
sec-Butylbenzene	0.148	U	0.0669	0.148	45.3	100	1	10.0-159		J3	75.3	39
tert-Butylbenzene	0.148	U	0.0713	0.158	48.2	107	1	10.0-156		J3	75.9	39

L1528654-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528654-14 08/28/22 16:51 • (MS) R3831389-4 08/28/22 21:06 • (MSD) R3831389-5 08/28/22 21:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.148	U	0.0555	0.137	37.5	92.8	1	10.0-145		J3	84.8	37
Chlorobenzene	0.148	U	0.0724	0.145	49.0	98.4	1	10.0-152		J3	67.1	39
Chlorodibromomethane	0.148	U	0.0940	0.147	63.6	99.2	1	10.0-146		J3	43.7	37
Chloroethane	0.148	U	0.0455	0.103	30.8	69.7	1	10.0-146		J3	77.4	40
Chloroform	0.148	U	0.0686	0.140	46.4	94.4	1	10.0-146		J3	68.2	37
Chloromethane	0.148	U	0.0555	0.140	37.5	94.4	1	10.0-159		J3	86.2	37
2-Chlorotoluene	0.148	U	0.0691	0.147	46.7	99.2	1	10.0-159		J3	71.9	38
4-Chlorotoluene	0.148	U	0.0790	0.157	53.4	106	1	10.0-155		J3	66.3	39
1,2-Dibromo-3-Chloropropane	0.148	U	0.103	0.141	70.0	95.2	1	10.0-151			30.5	39
1,2-Dibromoethane	0.148	U	0.113	0.162	76.2	110	1	10.0-148		J3	36.0	34
Dibromomethane	0.148	U	0.105	0.148	71.2	100	1	10.0-147			33.6	35
1,2-Dichlorobenzene	0.148	U	0.0908	0.156	61.4	106	1	10.0-155		J3	52.9	37
1,3-Dichlorobenzene	0.148	U	0.0809	0.147	54.7	99.2	1	10.0-153		J3	57.8	38
1,4-Dichlorobenzene	0.148	U	0.0850	0.145	57.5	98.4	1	10.0-151		J3	52.4	38
Dichlorodifluoromethane	0.148	U	0.0490	0.140	33.1	94.4	1	10.0-160		J3	96.1	35
1,1-Dichloroethane	0.148	U	0.0656	0.143	44.4	96.8	1	10.0-147		J3	74.2	37
1,2-Dichloroethane	0.148	U	0.0911	0.151	61.6	102	1	10.0-148		J3	49.8	35
1,1-Dichloroethene	0.148	U	0.0507	0.129	34.3	87.2	1	10.0-155		J3	87.0	37
cis-1,2-Dichloroethene	0.148	U	0.0737	0.141	49.8	95.2	1	10.0-149		J3	62.5	37
trans-1,2-Dichloroethene	0.148	U	0.0616	0.141	41.7	95.2	1	10.0-150		J3	78.2	37
1,2-Dichloropropane	0.148	U	0.0826	0.144	55.8	97.6	1	10.0-148		J3	54.4	37
1,1-Dichloropropene	0.148	U	0.0568	0.142	38.4	96.0	1	10.0-153		J3	85.7	35
1,3-Dichloropropane	0.148	U	0.106	0.161	72.0	109	1	10.0-154		J3	40.7	35
cis-1,3-Dichloropropene	0.148	U	0.0896	0.162	60.6	110	1	10.0-151		J3	57.5	37
trans-1,3-Dichloropropene	0.148	U	0.0878	0.144	59.4	97.6	1	10.0-148		J3	48.7	37
2,2-Dichloropropane	0.148	U	0.0523	0.0928	35.4	62.8	1	10.0-138		J3	55.9	36
Di-isopropyl ether	0.148	U	0.0802	0.138	54.2	93.6	1	10.0-147		J3	53.2	36
Ethylbenzene	0.148	U	0.0713	0.157	48.2	106	1	10.0-160		J3	75.2	38
Hexachloro-1,3-butadiene	0.148	U	0.0749	0.158	50.6	107	1	10.0-160		J3	71.7	40
Isopropylbenzene	0.148	0.00127	0.0685	0.150	45.5	101	1	10.0-155		J3	74.7	38
p-Isopropyltoluene	0.148	0.00542	0.0771	0.156	48.5	102	1	10.0-160		J3	67.7	40
2-Butanone (MEK)	0.739	U	0.536	0.600	72.5	81.1	1	10.0-160			11.3	40
Methylene Chloride	0.148	0.00934	0.0781	0.0693	46.5	40.6	1	10.0-141			11.9	37
4-Methyl-2-pentanone (MIBK)	0.739	U	0.665	0.833	89.9	113	1	10.0-160			22.4	35
Methyl tert-butyl ether	0.148	U	0.0972	0.134	65.8	90.4	1	11.0-147			31.6	35
Naphthalene	0.148	0.140	0.220	0.263	54.4	83.2	1	10.0-160			17.6	36
n-Propylbenzene	0.148	U	0.0698	0.154	47.2	104	1	10.0-158		J3	75.1	38
Styrene	0.148	U	0.0764	0.157	51.7	106	1	10.0-160		J3	69.2	40
1,1,1,2-Tetrachloroethane	0.148	U	0.0781	0.142	52.8	96.0	1	10.0-149		J3	58.1	39

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

L1528654-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528654-14 08/28/22 16:51 • (MS) R3831389-4 08/28/22 21:06 • (MSD) R3831389-5 08/28/22 21:26

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
1,1,2,2-Tetrachloroethane	0.148	U	0.0738	0.0889	49.9	60.2	1	10.0-160			18.6	35
1,1,2-Trichlorotrifluoroethane	0.148	U	0.0543	0.142	36.7	96.0	1	10.0-160		J3	89.3	36
Tetrachloroethene	0.148	U	0.0661	0.162	44.7	110	1	10.0-156		J3	84.1	39
Toluene	0.148	0.0176	0.0891	0.167	48.3	101	1	10.0-156		J3	60.7	38
1,2,3-Trichlorobenzene	0.148	U	0.0902	0.140	61.0	94.4	1	10.0-160		J3	42.9	40
1,2,4-Trichlorobenzene	0.148	U	0.0807	0.124	54.6	84.0	1	10.0-160		J3	42.5	40
1,1,1-Trichloroethane	0.148	U	0.0588	0.137	39.8	92.8	1	10.0-144		J3	80.0	35
1,1,2-Trichloroethane	0.148	U	0.105	0.160	71.3	108	1	10.0-160		J3	41.0	35
Trichloroethene	0.148	U	0.0947	0.198	64.1	134	1	10.0-156		J3	70.3	38
Trichlorofluoromethane	0.148	U	0.0273	0.0726	18.5	49.1	1	10.0-160		J3	90.7	40
1,2,3-Trichloropropane	0.148	U	0.124	0.170	84.0	115	1	10.0-156			31.3	35
1,2,4-Trimethylbenzene	0.148	0.0125	0.0837	0.161	48.2	100	1	10.0-160		J3	63.1	36
1,2,3-Trimethylbenzene	0.148	0.00861	0.0895	0.156	54.7	99.8	1	10.0-160		J3	54.2	36
1,3,5-Trimethylbenzene	0.148	0.00381	0.0716	0.145	45.8	95.8	1	10.0-160		J3	68.1	38
Vinyl chloride	0.148	U	0.0552	0.149	37.4	101	1	10.0-160		J3	91.8	37
Xylenes, Total	0.444	0.0246	0.246	0.478	49.9	102	1	10.0-160		J3	64.1	38
(S) Toluene-d8					*104*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*99.0*	*101*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.9*	*94.4*		*70.0-130*				

Method Blank (MB)

(MB) R3831797-3 08/28/22 12:55

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	0.00250
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

Method Blank (MB)

(MB) R3831797-3 08/28/22 12:55

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	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*121*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*

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

(LCS) R3831797-1 08/28/22 11:30 • (LCSD) R3831797-2 08/28/22 11:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.492	0.792	78.7	127	10.0-160		J3	46.7	31
Acrylonitrile	0.625	0.523	0.698	83.7	112	45.0-153		J3	28.7	22
Benzene	0.125	0.118	0.137	94.4	110	70.0-123			14.9	20
Bromobenzene	0.125	0.112	0.126	89.6	101	73.0-121			11.8	20
Bromodichloromethane	0.125	0.111	0.129	88.8	103	73.0-121			15.0	20

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

(LCS) R3831797-1 08/28/22 11:30 • (LCSD) R3831797-2 08/28/22 11:51

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 %
Bromoform	0.125	0.127	0.138	102	110	64.0-132			8.30	20
Bromomethane	0.125	0.103	0.125	82.4	100	56.0-147			19.3	20
n-Butylbenzene	0.125	0.122	0.142	97.6	114	68.0-135			15.2	20
sec-Butylbenzene	0.125	0.122	0.136	97.6	109	74.0-130			10.9	20
tert-Butylbenzene	0.125	0.0965	0.109	77.2	87.2	75.0-127			12.2	20
Carbon tetrachloride	0.125	0.114	0.138	91.2	110	66.0-128			19.0	20
Chlorobenzene	0.125	0.109	0.126	87.2	101	76.0-128			14.5	20
Chlorodibromomethane	0.125	0.118	0.135	94.4	108	74.0-127			13.4	20
Chloroethane	0.125	0.126	0.149	101	119	61.0-134			16.7	20
Chloroform	0.125	0.111	0.129	88.8	103	72.0-123			15.0	20
Chloromethane	0.125	0.133	0.199	106	159	51.0-138		J3 J4	39.8	20
2-Chlorotoluene	0.125	0.112	0.124	89.6	99.2	75.0-124			10.2	20
4-Chlorotoluene	0.125	0.100	0.102	80.0	81.6	75.0-124			1.98	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.139	84.0	111	59.0-130		J3	27.9	20
1,2-Dibromoethane	0.125	0.115	0.123	92.0	98.4	74.0-128			6.72	20
Dibromomethane	0.125	0.106	0.128	84.8	102	75.0-122			18.8	20
1,2-Dichlorobenzene	0.125	0.124	0.137	99.2	110	76.0-124			9.96	20
1,3-Dichlorobenzene	0.125	0.114	0.130	91.2	104	76.0-125			13.1	20
1,4-Dichlorobenzene	0.125	0.115	0.132	92.0	106	77.0-121			13.8	20
Dichlorodifluoromethane	0.125	0.123	0.156	98.4	125	43.0-156		J3	23.7	20
1,1-Dichloroethane	0.125	0.104	0.121	83.2	96.8	70.0-127			15.1	20
1,2-Dichloroethane	0.125	0.120	0.137	96.0	110	65.0-131			13.2	20
1,1-Dichloroethene	0.125	0.114	0.143	91.2	114	65.0-131		J3	22.6	20
cis-1,2-Dichloroethene	0.125	0.110	0.127	88.0	102	73.0-125			14.3	20
trans-1,2-Dichloroethene	0.125	0.0958	0.120	76.6	96.0	71.0-125		J3	22.4	20
1,2-Dichloropropane	0.125	0.101	0.113	80.8	90.4	74.0-125			11.2	20
1,1-Dichloropropene	0.125	0.111	0.128	88.8	102	73.0-125			14.2	20
1,3-Dichloropropane	0.125	0.118	0.128	94.4	102	80.0-125			8.13	20
cis-1,3-Dichloropropene	0.125	0.108	0.123	86.4	98.4	76.0-127			13.0	20
trans-1,3-Dichloropropene	0.125	0.112	0.128	89.6	102	73.0-127			13.3	20
2,2-Dichloropropane	0.125	0.119	0.145	95.2	116	59.0-135			19.7	20
Di-isopropyl ether	0.125	0.123	0.146	98.4	117	60.0-136			17.1	20
Ethylbenzene	0.125	0.109	0.132	87.2	106	74.0-126			19.1	20
Hexachloro-1,3-butadiene	0.125	0.132	0.146	106	117	57.0-150			10.1	20
Isopropylbenzene	0.125	0.116	0.144	92.8	115	72.0-127		J3	21.5	20
p-Isopropyltoluene	0.125	0.120	0.132	96.0	106	72.0-133			9.52	20
2-Butanone (MEK)	0.625	0.569	0.782	91.0	125	30.0-160		J3	31.5	24
Methylene Chloride	0.125	0.104	0.123	83.2	98.4	68.0-123			16.7	20
4-Methyl-2-pentanone (MIBK)	0.625	0.640	0.771	102	123	56.0-143			18.6	20
Methyl tert-butyl ether	0.125	0.119	0.142	95.2	114	66.0-132			17.6	20

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

(LCS) R3831797-1 08/28/22 11:30 • (LCSD) R3831797-2 08/28/22 11:51

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 %
Naphthalene	0.125	0.125	0.148	100	118	59.0-130			16.8	20
n-Propylbenzene	0.125	0.116	0.134	92.8	107	74.0-126			14.4	20
Styrene	0.125	0.121	0.139	96.8	111	72.0-127			13.8	20
1,1,1,2-Tetrachloroethane	0.125	0.107	0.136	85.6	109	74.0-129		J3	23.9	20
1,1,2,2-Tetrachloroethane	0.125	0.116	0.137	92.8	110	68.0-128			16.6	20
1,1,2-Trichlorotrifluoroethane	0.125	0.118	0.138	94.4	110	61.0-139			15.6	20
Tetrachloroethene	0.125	0.110	0.138	88.0	110	70.0-136		J3	22.6	20
Toluene	0.125	0.120	0.141	96.0	113	75.0-121			16.1	20
1,2,3-Trichlorobenzene	0.125	0.115	0.133	92.0	106	59.0-139			14.5	20
1,2,4-Trichlorobenzene	0.125	0.124	0.145	99.2	116	62.0-137			15.6	20
1,1,1-Trichloroethane	0.125	0.106	0.129	84.8	103	69.0-126			19.6	20
1,1,2-Trichloroethane	0.125	0.109	0.132	87.2	106	78.0-123			19.1	20
Trichloroethene	0.125	0.108	0.128	86.4	102	76.0-126			16.9	20
Trichlorofluoromethane	0.125	0.126	0.144	101	115	61.0-142			13.3	20
1,2,3-Trichloropropane	0.125	0.112	0.132	89.6	106	67.0-129			16.4	20
1,2,4-Trimethylbenzene	0.125	0.118	0.136	94.4	109	70.0-126			14.2	20
1,2,3-Trimethylbenzene	0.125	0.117	0.138	93.6	110	74.0-124			16.5	20
1,3,5-Trimethylbenzene	0.125	0.115	0.129	92.0	103	73.0-127			11.5	20
Vinyl chloride	0.125	0.111	0.141	88.8	113	63.0-134		J3	23.8	20
Xylenes, Total	0.375	0.346	0.417	92.3	111	72.0-127			18.6	20
(S) Toluene-d8				*107*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*99.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*101*	*70.0-130*				

L1528891-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528891-11 08/28/22 20:17 • (MS) R3831797-4 08/28/22 21:41 • (MSD) R3831797-5 08/28/22 22:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.576	U	0.238	0.228	41.3	39.6	1	10.0-160			4.44	40
Acrylonitrile	0.576	U	0.387	0.385	67.2	67.0	1	10.0-160			0.335	40
Benzene	0.115	U	0.124	0.125	108	108	1	10.0-149			0.312	37
Bromobenzene	0.115	U	0.124	0.121	107	105	1	10.0-156			2.54	38
Bromodichloromethane	0.115	U	0.0924	0.0896	80.2	77.9	1	10.0-143			2.99	37
Bromoform	0.115	U	0.0764	0.0795	66.4	69.1	1	10.0-146			3.98	36
Bromomethane	0.115	U	0.0529	0.0550	46.0	47.8	1	10.0-149			3.84	38
n-Butylbenzene	0.115	U	0.149	0.146	129	127	1	10.0-160			1.75	40
sec-Butylbenzene	0.115	U	0.136	0.146	118	127	1	10.0-159			7.34	39
tert-Butylbenzene	0.115	U	0.113	0.120	98.1	104	1	10.0-156			6.11	39

L1528891-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528891-11 08/28/22 20:17 • (MS) R3831797-4 08/28/22 21:41 • (MSD) R3831797-5 08/28/22 22:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.115	U	0.103	0.100	89.4	87.1	1	10.0-145			2.67	37
Chlorobenzene	0.115	U	0.111	0.104	96.7	90.4	1	10.0-152			6.72	39
Chlorodibromomethane	0.115	U	0.0970	0.0958	84.3	83.3	1	10.0-146			1.21	37
Chloroethane	0.115	U	0.0647	0.0609	56.2	52.9	1	10.0-146			5.97	40
Chloroform	0.115	U	0.105	0.108	90.9	93.9	1	10.0-146			3.28	37
Chloromethane	0.115	U	0.117	0.119	101	103	1	10.0-159			1.87	37
2-Chlorotoluene	0.115	U	0.117	0.124	101	107	1	10.0-159			5.70	38
4-Chlorotoluene	0.115	U	0.151	0.0911	131	79.1	1	10.0-155		J3	49.7	39
1,2-Dibromo-3-Chloropropane	0.115	U	0.0745	0.0913	64.7	79.3	1	10.0-151			20.3	39
1,2-Dibromoethane	0.115	U	0.104	0.101	90.3	87.5	1	10.0-148			3.16	34
Dibromomethane	0.115	U	0.0986	0.0912	85.6	79.2	1	10.0-147			7.77	35
1,2-Dichlorobenzene	0.115	U	0.114	0.124	99.4	108	1	10.0-155			7.82	37
1,3-Dichlorobenzene	0.115	U	0.120	0.121	104	105	1	10.0-153			1.29	38
1,4-Dichlorobenzene	0.115	U	0.115	0.119	100	103	1	10.0-151			2.87	38
Dichlorodifluoromethane	0.115	U	0.115	0.117	99.9	102	1	10.0-160			1.89	35
1,1-Dichloroethane	0.115	U	0.0987	0.106	85.7	91.9	1	10.0-147			6.96	37
1,2-Dichloroethane	0.115	U	0.113	0.116	97.9	101	1	10.0-148			2.72	35
1,1-Dichloroethene	0.115	U	0.129	0.129	112	112	1	10.0-155			0.501	37
cis-1,2-Dichloroethene	0.115	U	0.106	0.108	91.9	93.9	1	10.0-149			2.18	37
trans-1,2-Dichloroethene	0.115	U	0.107	0.108	92.8	93.5	1	10.0-150			0.724	37
1,2-Dichloropropane	0.115	U	0.0979	0.0936	85.1	81.3	1	10.0-148			4.46	37
1,1-Dichloropropene	0.115	U	0.116	0.114	101	98.9	1	10.0-153			1.69	35
1,3-Dichloropropane	0.115	U	0.132	0.116	115	101	1	10.0-154			12.8	35
cis-1,3-Dichloropropene	0.115	U	0.101	0.0944	87.5	82.0	1	10.0-151			6.49	37
trans-1,3-Dichloropropene	0.115	U	0.115	0.109	100	94.5	1	10.0-148			5.77	37
2,2-Dichloropropane	0.115	U	0.104	0.108	90.0	93.6	1	10.0-138			3.92	36
Di-isopropyl ether	0.115	U	0.129	0.131	112	113	1	10.0-147			1.20	36
Ethylbenzene	0.115	U	0.111	0.106	96.2	91.9	1	10.0-160			4.54	38
Hexachloro-1,3-butadiene	0.115	U	0.137	0.155	119	135	1	10.0-160			12.4	40
Isopropylbenzene	0.115	U	0.119	0.121	103	105	1	10.0-155			1.94	38
p-Isopropyltoluene	0.115	U	0.137	0.141	119	122	1	10.0-160			2.79	40
2-Butanone (MEK)	0.576	U	0.189	0.274	32.8	47.6	1	10.0-160			36.9	40
Methylene Chloride	0.115	U	0.103	0.110	89.4	96.0	1	10.0-141			7.03	37
4-Methyl-2-pentanone (MIBK)	0.576	U	0.508	0.538	88.3	93.5	1	10.0-160			5.69	35
Methyl tert-butyl ether	0.115	U	0.112	0.111	97.5	96.3	1	11.0-147			1.28	35
Naphthalene	0.115	U	0.127	0.154	111	134	1	10.0-160			18.9	36
n-Propylbenzene	0.115	U	0.141	0.135	122	117	1	10.0-158			4.69	38
Styrene	0.115	U	0.109	0.109	95.1	95.1	1	10.0-160			0.000	40
1,1,1,2-Tetrachloroethane	0.115	U	0.0961	0.0978	83.5	84.9	1	10.0-149			1.73	39

L1528891-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528891-11 08/28/22 20:17 • (MS) R3831797-4 08/28/22 21:41 • (MSD) R3831797-5 08/28/22 22:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.115	U	0.107	0.103	92.6	89.7	1	10.0-160			3.21	35
1,1,2-Trichlorotrifluoroethane	0.115	U	0.135	0.147	117	128	1	10.0-160			9.17	36
Tetrachloroethene	0.115	U	0.118	0.117	103	102	1	10.0-156			0.768	39
Toluene	0.115	U	0.138	0.136	120	118	1	10.0-156			1.89	38
1,2,3-Trichlorobenzene	0.115	U	0.108	0.144	93.8	125	1	10.0-160			28.3	40
1,2,4-Trichlorobenzene	0.115	U	0.115	0.151	99.9	131	1	10.0-160			27.3	40
1,1,1-Trichloroethane	0.115	U	0.101	0.105	87.3	91.1	1	10.0-144			4.28	35
1,1,2-Trichloroethane	0.115	U	0.121	0.113	105	98.2	1	10.0-160			6.74	35
Trichloroethene	0.115	U	0.109	0.113	94.4	98.0	1	10.0-156			3.74	38
Trichlorofluoromethane	0.115	U	0.0477	0.0524	41.5	45.5	1	10.0-160			9.30	40
1,2,3-Trichloropropane	0.115	U	0.108	0.101	93.7	88.0	1	10.0-156			6.31	35
1,2,4-Trimethylbenzene	0.115	U	0.191	0.163	166	142	1	10.0-160	J5		16.1	36
1,2,3-Trimethylbenzene	0.115	U	0.128	0.133	111	116	1	10.0-160			3.76	36
1,3,5-Trimethylbenzene	0.115	U	0.147	0.137	128	119	1	10.0-160			7.27	38
Vinyl chloride	0.115	U	0.0952	0.0993	82.7	86.3	1	10.0-160			4.26	37
Xylenes, Total	0.345	0.00199	0.370	0.345	107	99.4	1	10.0-160			6.87	38
(S) Toluene-d8					*119*	*118*		*75.0-131*				
(S) 4-Bromofluorobenzene					*94.2*	*90.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*97.5*	*97.4*		*70.0-130*				

Method Blank (MB)

(MB) R3832552-3 08/31/22 12:03

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
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
p-Isopropyltoluene	U		0.00255	0.00500

Method Blank (MB)

(MB) R3832552-3 08/31/22 12:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3832552-1 08/31/22 10:44 • (LCSD) R3832552-2 08/31/22 11:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.713	0.750	114	120	10.0-160			5.06	31
Acrylonitrile	0.625	0.790	0.797	126	128	45.0-153			0.882	22
Benzene	0.125	0.118	0.113	94.4	90.4	70.0-123			4.33	20
Bromobenzene	0.125	0.115	0.115	92.0	92.0	73.0-121			0.000	20
Bromodichloromethane	0.125	0.126	0.123	101	98.4	73.0-121			2.41	20
Bromoform	0.125	0.126	0.129	101	103	64.0-132			2.35	20

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

(LCS) R3832552-1 08/31/22 10:44 • (LCSD) R3832552-2 08/31/22 11:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.125	0.114	0.111	91.2	88.8	56.0-147			2.67	20
n-Butylbenzene	0.125	0.118	0.108	94.4	86.4	68.0-135			8.85	20
sec-Butylbenzene	0.125	0.108	0.102	86.4	81.6	74.0-130			5.71	20
tert-Butylbenzene	0.125	0.116	0.107	92.8	85.6	75.0-127			8.07	20
Carbon tetrachloride	0.125	0.126	0.124	101	99.2	66.0-128			1.60	20
Chlorobenzene	0.125	0.116	0.109	92.8	87.2	76.0-128			6.22	20
Chlorodibromomethane	0.125	0.122	0.123	97.6	98.4	74.0-127			0.816	20
Chloroethane	0.125	0.114	0.109	91.2	87.2	61.0-134			4.48	20
Chloroform	0.125	0.122	0.119	97.6	95.2	72.0-123			2.49	20
Chloromethane	0.125	0.108	0.100	86.4	80.0	51.0-138			7.69	20
2-Chlorotoluene	0.125	0.116	0.101	92.8	80.8	75.0-124			13.8	20
4-Chlorotoluene	0.125	0.120	0.116	96.0	92.8	75.0-124			3.39	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.118	98.4	94.4	59.0-130			4.15	20
1,2-Dibromoethane	0.125	0.119	0.123	95.2	98.4	74.0-128			3.31	20
Dibromomethane	0.125	0.126	0.125	101	100	75.0-122			0.797	20
1,2-Dichlorobenzene	0.125	0.119	0.116	95.2	92.8	76.0-124			2.55	20
1,3-Dichlorobenzene	0.125	0.117	0.107	93.6	85.6	76.0-125			8.93	20
1,4-Dichlorobenzene	0.125	0.115	0.110	92.0	88.0	77.0-121			4.44	20
1,1-Dichloroethane	0.125	0.125	0.119	100	95.2	70.0-127			4.92	20
1,2-Dichloroethane	0.125	0.131	0.134	105	107	65.0-131			2.26	20
1,1-Dichloroethene	0.125	0.108	0.105	86.4	84.0	65.0-131			2.82	20
cis-1,2-Dichloroethene	0.125	0.123	0.120	98.4	96.0	73.0-125			2.47	20
trans-1,2-Dichloroethene	0.125	0.115	0.114	92.0	91.2	71.0-125			0.873	20
1,2-Dichloropropane	0.125	0.118	0.120	94.4	96.0	74.0-125			1.68	20
1,1-Dichloropropene	0.125	0.115	0.111	92.0	88.8	73.0-125			3.54	20
1,3-Dichloropropane	0.125	0.122	0.116	97.6	92.8	80.0-125			5.04	20
cis-1,3-Dichloropropene	0.125	0.127	0.130	102	104	76.0-127			2.33	20
trans-1,3-Dichloropropene	0.125	0.115	0.113	92.0	90.4	73.0-127			1.75	20
2,2-Dichloropropane	0.125	0.140	0.142	112	114	59.0-135			1.42	20
Di-isopropyl ether	0.125	0.125	0.124	100	99.2	60.0-136			0.803	20
Ethylbenzene	0.125	0.115	0.105	92.0	84.0	74.0-126			9.09	20
Hexachloro-1,3-butadiene	0.125	0.114	0.107	91.2	85.6	57.0-150			6.33	20
Isopropylbenzene	0.125	0.117	0.107	93.6	85.6	72.0-127			8.93	20
p-Isopropyltoluene	0.125	0.115	0.110	92.0	88.0	72.0-133			4.44	20
2-Butanone (MEK)	0.625	0.697	0.801	112	128	30.0-160			13.9	24
Methylene Chloride	0.125	0.118	0.113	94.4	90.4	68.0-123			4.33	20
4-Methyl-2-pentanone (MIBK)	0.625	0.782	0.745	125	119	56.0-143			4.85	20
Methyl tert-butyl ether	0.125	0.126	0.132	101	106	66.0-132			4.65	20
Naphthalene	0.125	0.0865	0.0847	69.2	67.8	59.0-130			2.10	20
n-Propylbenzene	0.125	0.115	0.108	92.0	86.4	74.0-126			6.28	20

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

(LCS) R3832552-1 08/31/22 10:44 • (LCSD) R3832552-2 08/31/22 11:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.111	0.113	88.8	90.4	72.0-127			1.79	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.116	96.8	92.8	74.0-129			4.22	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.127	102	102	68.0-128			0.000	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.102	90.4	81.6	61.0-139			10.2	20
Tetrachloroethene	0.125	0.118	0.106	94.4	84.8	70.0-136			10.7	20
Toluene	0.125	0.110	0.102	88.0	81.6	75.0-121			7.55	20
1,2,3-Trichlorobenzene	0.125	0.106	0.103	84.8	82.4	59.0-139			2.87	20
1,2,4-Trichlorobenzene	0.125	0.0954	0.0933	76.3	74.6	62.0-137			2.23	20
1,1,1-Trichloroethane	0.125	0.125	0.114	100	91.2	69.0-126			9.21	20
1,1,2-Trichloroethane	0.125	0.114	0.118	91.2	94.4	78.0-123			3.45	20
Trichloroethene	0.125	0.106	0.107	84.8	85.6	76.0-126			0.939	20
Trichlorofluoromethane	0.125	0.102	0.0873	81.6	69.8	61.0-142			15.5	20
1,2,3-Trichloropropane	0.125	0.134	0.127	107	102	67.0-129			5.36	20
1,2,4-Trimethylbenzene	0.125	0.116	0.105	92.8	84.0	70.0-126			9.95	20
1,2,3-Trimethylbenzene	0.125	0.117	0.112	93.6	89.6	74.0-124			4.37	20
1,3,5-Trimethylbenzene	0.125	0.104	0.103	83.2	82.4	73.0-127			0.966	20
Vinyl chloride	0.125	0.117	0.109	93.6	87.2	63.0-134			7.08	20
Xylenes, Total	0.375	0.356	0.337	94.9	89.9	72.0-127			5.48	20
(S) Toluene-d8				*99.9*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.6*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*113*	*119*	*70.0-130*				

Method Blank (MB)

(MB) R3832732-3 08/31/22 16:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Dichlorodifluoromethane	U		0.00161	0.00250
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*

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

(LCS) R3832732-1 08/31/22 15:35 • (LCSD) R3832732-2 08/31/22 15:54

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 %
Dichlorodifluoromethane	0.125	0.109	0.109	87.2	87.2	43.0-156			0.000	20
(S) Toluene-d8				*102*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.4*	*98.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R3833744-1 09/02/22 16:21

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	*59.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3833744-2 09/02/22 16:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	40.8	81.6	50.0-150	
(S) o-Terphenyl			*93.7*	*18.0-148*	

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 09/02/22 19:12 • (MS) R3833744-3 09/02/22 19:26 • (MSD) R3833744-4 09/02/22 19:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	65.5	2.57	46.3	51.0	66.7	73.9	1	50.0-150			9.81	20
(S) o-Terphenyl					*62.6*	*70.9*		*18.0-148*				

Method Blank (MB)

(MB) R3832576-2 08/30/22 22:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00518	0.0200
Dalapon	U		0.00317	0.0200
2,4-DB	U		0.00908	0.0200
Dicamba	U		0.00431	0.0200
Dichloroprop	U		0.00333	0.0200
Dinoseb	U		0.00199	0.0200
MCPA	U		0.00342	0.0200
MCPP	U		0.00234	0.0200
2,4,5-T	U		0.00686	0.0200
2,4,5-TP (Silvex)	U		0.00171	0.0200
(S) 2,4-DB-D3	*132*	J1		*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3832576-1 08/30/22 21:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.200	0.218	109	70.0-130	
Dalapon	0.200	0.234	117	70.0-130	
2,4-DB	0.200	0.256	128	70.0-130	
Dicamba	0.200	0.231	116	70.0-130	
Dichloroprop	0.200	0.233	117	70.0-130	
Dinoseb	0.200	0.213	106	70.0-130	
MCPA	0.200	0.229	115	70.0-130	
MCPP	0.200	0.241	120	70.0-130	
2,4,5-T	0.200	0.239	119	70.0-130	
2,4,5-TP (Silvex)	0.200	0.233	117	70.0-130	
(S) 2,4-DB-D3			*127*	*70.0-130*	

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 08/30/22 22:37 • (MS) R3832576-3 08/30/22 22:58 • (MSD) R3832576-4 08/30/22 23:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.260	U	0.282	0.278	109	106	1	70.0-130			1.42	30
Dalapon	0.260	U	0.269	0.278	104	106	1	70.0-130			3.39	30
2,4-DB	0.260	U	0.313	0.318	120	121	1	70.0-130			1.68	30
Dicamba	0.260	U	0.294	0.274	113	105	1	70.0-130			6.99	30

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 08/30/22 22:37 • (MS) R3832576-3 08/30/22 22:58 • (MSD) R3832576-4 08/30/22 23:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dichloroprop	0.260	U	0.302	0.301	116	115	1	70.0-130			0.440	30
Dinoseb	0.260	U	0.270	0.260	104	99.0	1	70.0-130			4.00	30
MCPA	0.260	U	0.294	0.302	113	115	1	70.0-130			2.67	30
MCPP	0.260	U	0.308	0.310	118	118	1	70.0-130			0.858	30
2,4,5-T	0.260	U	0.305	0.304	117	116	1	70.0-130			0.436	30
2,4,5-TP (Silvex)	0.260	U	0.309	0.325	119	124	1	70.0-130			5.02	30
(S) 2,4-DB-D3					*128*	*130*		*70.0-130*				

Method Blank (MB)

(MB) R3836216-2 09/10/22 17:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*50.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*54.8*			*34.0-125*
(S) p-Terphenyl-d14	*58.2*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3836216-1 09/10/22 16:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0633	79.1	50.0-126	
Acenaphthene	0.0800	0.0574	71.8	50.0-120	
Acenaphthylene	0.0800	0.0639	79.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0609	76.1	45.0-120	
Benzo(a)pyrene	0.0800	0.0596	74.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0543	67.9	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0568	71.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0560	70.0	49.0-125	
Chrysene	0.0800	0.0630	78.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0543	67.9	47.0-125	
Fluoranthene	0.0800	0.0673	84.1	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3836216-1 09/10/22 16:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0609	76.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0591	73.9	46.0-125	
Naphthalene	0.0800	0.0571	71.4	50.0-120	
Phenanthrene	0.0800	0.0592	74.0	47.0-120	
Pyrene	0.0800	0.0602	75.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0578	72.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0590	73.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0552	69.0	50.0-120	
(S) Nitrobenzene-d5			*64.0*	*14.0-149*	
(S) 2-Fluorobiphenyl			*64.6*	*34.0-125*	
(S) p-Terphenyl-d14			*62.4*	*23.0-120*	

L1528886-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528886-01 09/10/22 17:29 • (MS) R3836216-3 09/10/22 17:49 • (MSD) R3836216-4 09/10/22 18:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.102	U	0.0732	0.0721	71.5	70.1	1	10.0-145			1.46	30
Acenaphthene	0.102	U	0.0658	0.0682	64.2	66.2	1	14.0-127			3.56	27
Acenaphthylene	0.102	U	0.0712	0.0732	69.6	71.1	1	21.0-124			2.75	25
Benzo(a)anthracene	0.102	U	0.0697	0.0689	68.1	67.0	1	10.0-139			1.15	30
Benzo(a)pyrene	0.102	U	0.0728	0.0727	71.1	70.6	1	10.0-141			0.182	31
Benzo(b)fluoranthene	0.102	U	0.0679	0.0656	66.3	63.8	1	10.0-140			3.38	36
Benzo(g,h,i)perylene	0.102	U	0.0672	0.0674	65.7	65.5	1	10.0-140			0.197	33
Benzo(k)fluoranthene	0.102	U	0.0636	0.0659	62.2	64.0	1	10.0-137			3.48	31
Chrysene	0.102	U	0.0749	0.0758	73.2	73.7	1	10.0-145			1.23	30
Dibenz(a,h)anthracene	0.102	U	0.0611	0.0609	59.7	59.1	1	10.0-132			0.435	31
Fluoranthene	0.102	U	0.0761	0.0789	74.4	76.7	1	10.0-153			3.59	33
Fluorene	0.102	U	0.0693	0.0723	67.7	70.2	1	11.0-130			4.12	29
Indeno(1,2,3-cd)pyrene	0.102	U	0.0663	0.0668	64.8	64.9	1	10.0-137			0.797	32
Naphthalene	0.102	0.168	0.132	0.135	0.000	0.000	1	10.0-135	J6	J6	2.68	27
Phenanthrene	0.102	U	0.0674	0.0720	65.8	70.0	1	10.0-144			6.66	31
Pyrene	0.102	U	0.0715	0.0745	69.8	72.4	1	10.0-148			4.18	35
1-Methylnaphthalene	0.102	0.0769	0.0960	0.103	18.7	25.3	1	10.0-142			6.93	28
2-Methylnaphthalene	0.102	0.0284	0.0829	0.0811	53.2	51.3	1	10.0-137			2.10	28
2-Chloronaphthalene	0.102	U	0.0640	0.0672	62.6	65.3	1	29.0-120			4.85	24
(S) Nitrobenzene-d5					*61.5*	*67.6*		*14.0-149*				
(S) 2-Fluorobiphenyl					*63.2*	*70.1*		*34.0-125*				
(S) p-Terphenyl-d14					*61.0*	*62.5*		*23.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

GLOSSARY OF TERMS

Qualifier	Description
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.
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	LAO000356
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:	Billing Information:	Analysis / Container / Preservative	Chain of Custody Page 1 of 1
HDR - Boise, ID 412 E. Park Center Blvd, Ste 100 Boise, ID 83706	Accounts Payable- Cheryl Reed 412 E. Park Center Blvd, Ste 100 Boise, ID 83706 Pres Chk		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/hubfs/pas-standard-terms.pdf
Report to: Tyler Allen	Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c		
Project Description: Simplot-- Sunnyside, WA	City/State Collected: Sunnyside WA — Please Circle: PT MT CT ET		SDG # L1528886 F192
Phone: 208-387-7018	Client Project # 10302086 — Lab Project # HDRBID-SUNNYSIDE		Acctnum: HDRBID Template: T214429 Prelogin: P943404 PM: 841 - Kelly Mercer PB: DP 8-12-22 Shipped Via: FedEX Ground
Collected by (print): Blake Urie	Site/Facility ID # SUNNYSIDE, WA — 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: Standard TAT		
Immediately Packed on Ice N ___ Y X			

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd 6010 2ozClr-NoPres	NO2NO3 8ozClr-NoPres	NWTPHDX 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	SULFATE 8ozClr-NoPres	SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr			Remarks	Sample # (lab only)
P3Soil BH1-10-12.5-20220822-0	G	SS	10-12.5	8/22/22	330pm	4	✓	✓	✓	✓	✓	✓	✓				-01
P3SoilBH1-12.5-15-20220822-0	G	SS	12.5-15	8/22/22	345pm	↓	↓	↓	↓	↓	↓	↓	↓				-02
P3SoilBH-2-7.5-10-20220822-0	G	SS	7.5-10	8/22/22	400pm												-03
P3SoilBH-3-10-12.5-20220822-0	G	SS	10-12.5	↓	410pm												-04
P3Soil-BH3-12.5-15-20220822-0	G	SS	12.5-15		415pm												-05
P3Soil.BH4-10-12.5-20220822-0	G	SS	10-12.5		4:30PM												-06
P3SoilBH5-5-7.5-20220822-0	G	SS	5-7.5		18:20												-07
P3SoilBH5-12.5-15-20220822-0	G	"	12.5-15		18:30												-08
P3SoilBH6-13-15-20220822-0	G	"	13-15		18:35												-09

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ______

Remarks: Elevated VOCs (PID Readings)
~~Additional...~~ Multiple day shipments-same report

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: ___ UPS ___ FedEx ___ Courier ______ Tracking #

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
[signature]	08/23/22	12:30			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2°C ±0=3.2°C °C — Bottles Received: 36	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 8-24-22 Time: 0845	Hold: — Condition: NCF / (OK)

ANALYTICAL REPORT

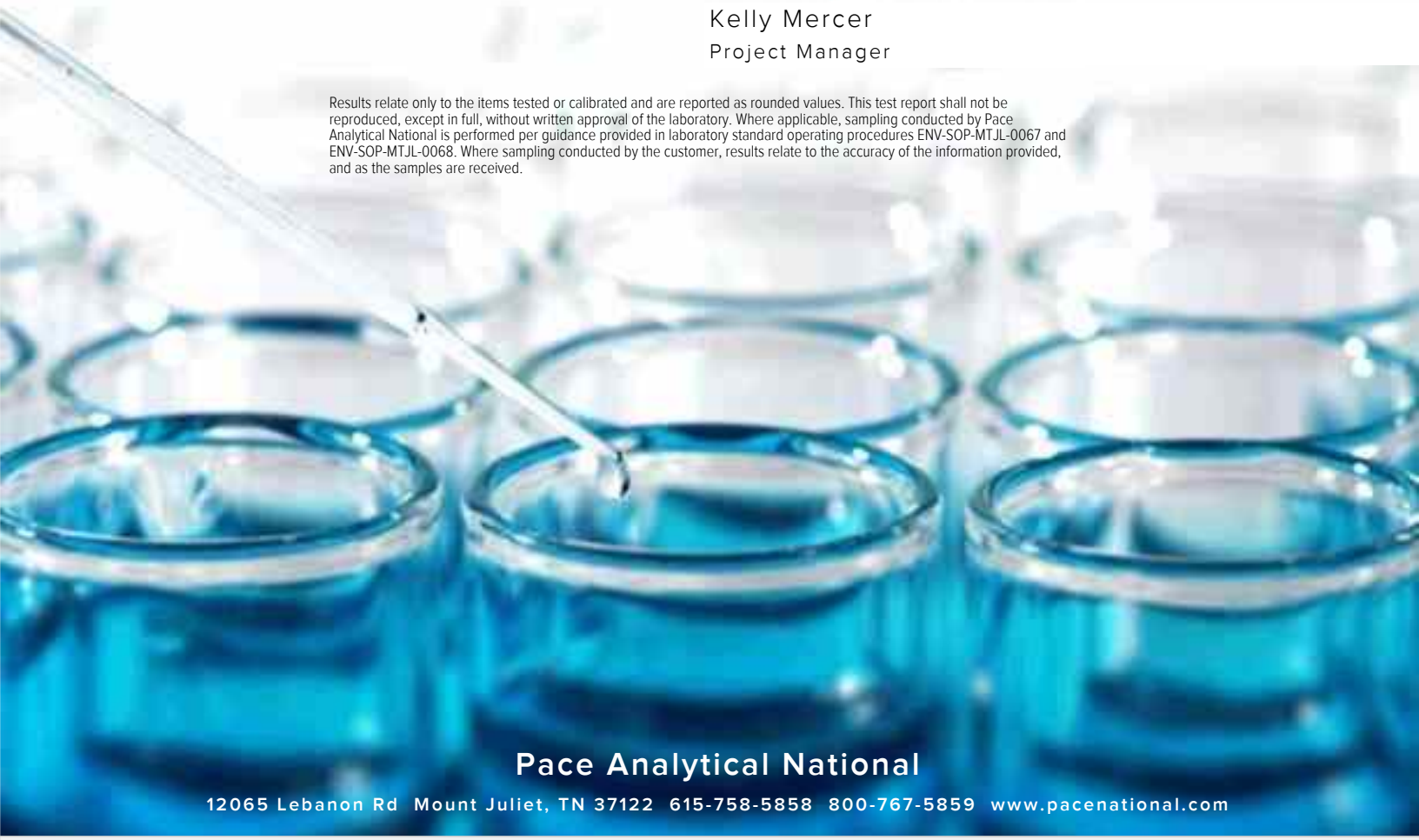
September 23, 2022

HDR - Boise, ID

Sample Delivery Group:	L1529397
Samples Received:	08/26/2022
Project Number:	10302086
Description:	Simplot - Sunnyside, WA
Site:	SUNNYSIDE, WA
Report To:	Tyler Allen 412 E. Park Center Blvd, Ste 100 Boise, ID 83706

Entire Report Reviewed By:

Kelly Mercer
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW 2 L1529397-01 GW

Collected by: Blake Urie
Collected date/time: 08/25/22 09:40
Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2580	WG1930572	1	09/23/22 07:03	09/23/22 07:03	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1920504	1	09/02/22 14:58	09/02/22 14:58	CAT	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1921786	1	09/06/22 11:10	09/06/22 15:15	JAR	Mt. Juliet, TN
Wet Chemistry by Method 5210 B-2016	WG1917056	1	08/26/22 13:41	08/31/22 10:18	NAH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1920892	1	09/03/22 15:00	09/03/22 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919036	1	09/04/22 20:50	09/05/22 16:58	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1920421	1	09/03/22 13:03	09/04/22 16:04	ZSA	Mt. Juliet, TN

MW 4 L1529397-02 GW

Collected by: Blake Urie
Collected date/time: 08/25/22 10:35
Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2580	WG1930572	1	09/23/22 07:03	09/23/22 07:03	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1920504	10	09/02/22 15:50	09/02/22 15:50	CAT	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1921786	1	09/06/22 11:10	09/06/22 15:16	JAR	Mt. Juliet, TN
Wet Chemistry by Method 5210 B-2016	WG1917056	1	08/26/22 13:59	08/31/22 10:21	NAH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1920892	1	09/03/22 15:00	09/03/22 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919036	1	09/04/22 20:50	09/05/22 17:40	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1920421	1	09/03/22 13:03	09/04/22 16:06	ZSA	Mt. Juliet, TN

MW 5R L1529397-03 GW

Collected by: Blake Urie
Collected date/time: 08/25/22 11:20
Received date/time: 08/26/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2580	WG1930572	1	09/23/22 07:03	09/23/22 07:03	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1920504	10	09/02/22 15:33	09/02/22 15:33	CAT	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1921786	1	09/06/22 11:10	09/06/22 15:17	JAR	Mt. Juliet, TN
Wet Chemistry by Method 5210 B-2016	WG1917056	1	08/26/22 14:02	08/31/22 10:23	NAH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1920892	1	09/03/22 15:00	09/03/22 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1919036	1	09/04/22 20:50	09/05/22 17:43	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1920421	1	09/03/22 13:03	09/04/22 15:53	ZSA	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

Wet Chemistry by Method 2580

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	159	T8	1	09/23/2022 07:03	WG1930572

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	3.27		0.0500	0.100	1	09/02/2022 14:58	WG1920504

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	U		11.7	20.0	1	09/06/2022 15:15	WG1921786

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	ND	B1 J-	3.33	1	08/31/2022 10:18	WG1917056

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.03	T8	1	09/03/2022 15:00	WG1920892

Sample Narrative:

L1529397-01 WG1920892: 8.03 at 22C

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Iron	0.0533	B J	0.0180	0.100	1	09/04/2022 16:04	WG1920421
Iron,Dissolved	U		0.0180	0.100	1	09/05/2022 16:58	WG1919036
Manganese	0.147		0.000934	0.0100	1	09/04/2022 16:04	WG1920421
Manganese,Dissolved	0.0748		0.000934	0.0100	1	09/05/2022 16:58	WG1919036

Wet Chemistry by Method 2580

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	157	T8	1	09/23/2022 07:03	WG1930572

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	13.3		0.500	1.00	10	09/02/2022 15:50	WG1920504

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	U		11.7	20.0	1	09/06/2022 15:16	WG1921786

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	ND	B1 J-	3.33	1	08/31/2022 10:21	WG1917056

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.06	T8	1	09/03/2022 15:00	WG1920892

Sample Narrative:

L1529397-02 WG1920892: 8.06 at 22.1C

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Iron	64.4		0.0180	0.100	1	09/04/2022 16:06	WG1920421
Iron,Dissolved	0.0205	J	0.0180	0.100	1	09/05/2022 17:40	WG1919036
Manganese	1.79		0.000934	0.0100	1	09/04/2022 16:06	WG1920421
Manganese,Dissolved	U		0.000934	0.0100	1	09/05/2022 17:40	WG1919036

Wet Chemistry by Method 2580

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	mV			date / time	
ORP	197	T8	1	09/23/2022 07:03	WG1930572

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	13.9		0.500	1.00	10	09/02/2022 15:33	WG1920504

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	U		11.7	20.0	1	09/06/2022 15:17	WG1921786

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	ND	B1 J-	3.33	1	08/31/2022 10:23	WG1917056

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.83	T8	1	09/03/2022 15:00	WG1920892

Sample Narrative:

L1529397-03 WG1920892: 7.83 at 22.1C

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Iron	0.147	B	0.0180	0.100	1	09/04/2022 15:53	WG1920421
Iron,Dissolved	U		0.0180	0.100	1	09/05/2022 17:43	WG1919036
Manganese	0.0638		0.000934	0.0100	1	09/04/2022 15:53	WG1920421
Manganese,Dissolved	0.0482		0.000934	0.0100	1	09/05/2022 17:43	WG1919036

L1525924-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525924-01 09/23/22 07:03 • (DUP) R3840503-3 09/23/22 07:03

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	189	182	1	7.60		20

L1529397-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529397-01 09/23/22 07:03 • (DUP) R3840503-4 09/23/22 07:03

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	159	157	1	1.60		20

L1529397-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1529397-02 09/23/22 07:03 • (DUP) R3840503-5 09/23/22 07:03

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	157	161	1	4.70		20

L1529397-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1529397-03 09/23/22 07:03 • (DUP) R3840503-6 09/23/22 07:03

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	197	195	1	1.40		20

L1531166-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1531166-01 09/23/22 07:03 • (DUP) R3840503-7 09/23/22 07:03

Analyte	Original Result mV	DUP Result mV	Dilution	DUP Diff mV	DUP Qualifier	DUP Diff Limits mV
ORP	-41.5	-62.6	1	0.000		20

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

(LCS) R3840503-1 09/23/22 07:03 • (LCSD) R3840503-2 09/23/22 07:03

Analyte	Spike Amount mV	LCS Result mV	LCSD Result mV	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	Diff mV	Diff Limits mV
ORP	109	115	115	105	106	90.0-110			0.400	20

QUALITY CONTROL SUMMARY

L1529397-01,02,03

Method Blank (MB)

(MB) R3833433-1 09/02/22 14:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1529000-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529000-01 09/02/22 14:52 • (DUP) R3833433-3 09/02/22 14:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1529491-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529491-01 09/02/22 15:38 • (DUP) R3833433-10 09/02/22 15:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3833433-2 09/02/22 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.55	102	90.0-110	

L1529000-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529000-01 09/02/22 14:52 • (MS) R3833433-4 09/02/22 14:54 • (MSD) R3833433-5 09/02/22 14:56

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 %
Nitrate-Nitrite	2.50	U	2.59	2.53	104	101	1	90.0-110			2.34	20

L1529491-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1529491-01 09/02/22 15:38 • (MS) R3833433-11 09/02/22 15:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.52	101	1	90.0-110	

Method Blank (MB)

(MB) R3834134-1 09/06/22 13:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	U		11.7	20.0

L1529397-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1529397-02 09/06/22 15:16 • (DUP) R3834134-5 09/06/22 15:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	U	U	1	0.000		20

L1529456-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529456-01 09/06/22 15:19 • (DUP) R3834134-6 09/06/22 15:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	39.8	42.9	1	7.55		20

Laboratory Control Sample (LCS)

(LCS) R3834134-2 09/06/22 13:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
COD	500	483	96.6	90.0-110	

L1529397-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529397-01 09/06/22 15:15 • (MS) R3834134-3 09/06/22 15:15 • (MSD) R3834134-4 09/06/22 15:15

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 %
COD	500	U	494	494	98.8	98.9	1	80.0-120			0.0688	20

Method Blank (MB)

(MB) R3832593-1 08/31/22 11:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
BOD	0.430	B1	0.200	0.200

L1529397-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529397-01 08/31/22 10:18 • (DUP) R3832593-3 08/31/22 10:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
BOD	ND	ND	1	0		30

L1529462-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1529462-01 08/31/22 10:45 • (DUP) R3832593-4 08/31/22 10:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
BOD	12.1	13.1	1	8.03		30

Laboratory Control Sample (LCS)

(LCS) R3832593-2 08/31/22 09:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
BOD	198	134	67.6	84.6-115	J-

Laboratory Control Sample (LCS)

(LCS) R3832593-5 08/31/22 11:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
BOD	198	210	106	84.6-115	

L1529457-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1529457-03 09/03/22 15:00 • (DUP) R3833612-2 09/03/22 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.51	7.52	1	0.133		1

Sample Narrative:

OS: 7.51 at 22C

DUP: 7.52 at 22.3C

L1529472-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1529472-02 09/03/22 15:00 • (DUP) R3833612-3 09/03/22 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.55	7.56	1	0.132		1

Sample Narrative:

OS: 7.55 at 21.8C

DUP: 7.56 at 21.8C

Laboratory Control Sample (LCS)

(LCS) R3833612-1 09/03/22 15:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 22.1C

Method Blank (MB)

(MB) R3833876-1 09/05/22 16:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron,Dissolved	U		0.0180	0.100
Manganese,Dissolved	U		0.000934	0.0100

Laboratory Control Sample (LCS)

(LCS) R3833876-2 09/05/22 16:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron,Dissolved	10.0	9.74	97.4	80.0-120	
Manganese,Dissolved	1.00	0.887	88.7	80.0-120	

L1529397-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529397-01 09/05/22 16:58 • (MS) R3833876-4 09/05/22 17:03 • (MSD) R3833876-5 09/05/22 17:05

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 %
Iron,Dissolved	10.0	U	9.90	9.61	99.0	96.1	1	75.0-125			2.96	20
Manganese,Dissolved	1.00	0.0748	0.957	0.955	88.3	88.0	1	75.0-125			0.265	20

Method Blank (MB)

(MB) R3833804-1 09/04/22 15:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron	0.0246	J	0.0180	0.100
Manganese	U		0.000934	0.0100

Laboratory Control Sample (LCS)

(LCS) R3833804-2 09/04/22 15:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10.0	9.58	95.8	80.0-120	
Manganese	1.00	0.940	94.0	80.0-120	

L1529397-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529397-03 09/04/22 15:53 • (MS) R3833804-4 09/04/22 15:58 • (MSD) R3833804-5 09/04/22 16:01

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 %
Iron	10.0	0.147	9.69	9.62	95.5	94.7	1	75.0-125			0.755	20
Manganese	1.00	0.0638	0.995	0.986	93.2	92.2	1	75.0-125			0.980	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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.
B1	The blank depletion was greater than the recommended maximum depletion of 0.2mg/L.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J-	The associated batch QC was outside the lower control limits; associated data has a potential negative bias.
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	LAO000356
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:
HDR - Boise, ID

412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Billing Information:
Accounts Payable- Cheryl Reed
412 E. Park Center Blvd, Ste 100
Boise, ID 83706

Pres Chk

Report to: **Tyler Allen**

Email To: tyler.allen@hdrinc.com;Katie.Krajicek@hdrinc.c

Project Description: **Simplot - Sunnyside, WA**

City/State Collected: Sunnyside, WA

Please Circle: PT MT CT ET

Phone: **208-387-7018**

Client Project # 10302086

Lab Project # **HDRBID-SUNNYSIDE**

Collected by (print): Blake Urie

Site/Facility ID # **SUNNYSIDE, WA**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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: Standard TAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BOD 500mlHDPE-NoPres	COD, NO2NO3 250mlHDPE-H2SO4	Diss Fe, Mn 6010 250mlHDPE-NoPres	ORP, pH 125mlHDPE-NoPres	Total Fe, Mn 6010 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW2	G	GW	—	08/25/22	09:40	5	✓	✓	✓	✓	✓		01
MW4	G	GW	—	"	10:35	1	"	"	"	"	"		02
MW5R	G	GW	—	"	11:20	"	"	"	"	"	"		03
		GW											

Chain of Custody Page ___ of ___

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/hubfs/pas-standard-terms.pdf

SDG # L1529497

K189

Acctnum: **HDRBID**
Template: **T214394**
Prelogin: **P943306**
PM: **841 - Kelly Mercer**
PB: CR 8.12.22
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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)	Date:	Time:	Received by: (Signature)
[signature]	08/25/22	13:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Trip Blank Received: Yes / (No)
HCL / MeoH
TBR

Temp: 5.1 °C Bottles Received: 15

Date: 8/26/22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)